



Environmental, Planning, and Engineering Consultants

34 South Broadway
Suite 300
White Plains, NY 10601
tel: 914 949-7336
fax: 929 284-1085
www.akrf.com

January 7, 2025

Mr. Ryan Richard
New York State Department of Environmental Conservation
Division of Environmental Remediation – Region 3
21 South Putt Corners Road
New Paltz, NY 12561

Re: Supplemental Groundwater Investigation Work Plan
Brookfield Commons Phase 3, White Plains, Westchester County
NYSDEC BCP Number: C360246
AKRF Project Number: 210122

Dear Mr. Richard:

This Supplemental Groundwater Investigation Work Plan (SGWIWP) has been prepared by AKRF, Inc. (AKRF) on behalf of Trinity Brookfield Commons Phase Three Limited Partnership (the “Volunteer”) for the “Brookfield Commons Phase 3” project site. The Volunteer entered into a Brownfield Cleanup Agreement (BCA) with the New York State Department of Environmental Conservation (NYSDEC) in February 2024, to investigate and remediate a 1.284-acre property located at 159 South Lexington Avenue in White Plains in Westchester County, New York (hereafter referred to as the “Site”). The Site location is shown on Figure 1.

As recommended in the New York State Department of Environmental Conservation (NYSDEC) letter dated December 18, 2024 and emails dated January 2 and 3, 2025, additional investigation will be performed to further delineate the horizontal and vertical extent of the chlorinated solvent groundwater plume identified as area of concern (AOC-6).

Summary of the Remedial Investigation

The Site was investigated in accordance with the scope of work presented in the NYSDEC-approved Remedial Investigation (RI) Work Plan dated May 2024. The investigation was conducted between May 6 and August 7, 2024. The RI Report (RIR) was submitted to NYSDEC on October 21, 2024, and included data collected during the Limited Subsurface Investigation (SI) performed in April 2021. The following scope of work was performed by AKRF in April 2021 during the Limited Subsurface Investigation (SI):

1. The performance of a geophysical survey across accessible portions of the Site and utility mark-outs.
2. The advancement of six soil borings (SB-01 through SB-06) with the collection and laboratory analysis of 12 soil samples.
3. The installation of four temporary groundwater monitoring wells (TW-01, TW-03, TW-04 and TW-05), with the collection and laboratory analysis of four groundwater samples.
4. The installation of four soil vapor samples (SV-01 through SV-04), with the collection and laboratory analysis of four soil vapor samples.

The following scope of work was performed by AKRF between May 6 and August 7, 2024, during the RI:

1. The performance of a geophysical survey across accessible portions of the Site and utility mark-outs.
2. The advancement of 14 soil borings (RI-SB-01 through RI-SB-14) with continuous soil sampling and laboratory analysis of 37 soil samples [plus associated quality assurance/quality control (QA/QC) samples].
3. The installation eight permanent shallow groundwater monitoring wells (RI-MW-01 through RI-MW-08) and three permanent deep groundwater monitoring wells (MW-01D, MW-02D, and MW-07D) located adjacent to three of the shallow wells (MW-01, MW-02, and MW-07) with the collection and laboratory analysis of 11 groundwater samples (plus associated QA/QC samples).
4. The installation of seven temporary soil vapor points (RI-SV-01 through RI-SV-07) with the collection and laboratory analysis of seven soil vapor samples and the collection and analysis of one ambient air sample.
5. The performance of a groundwater monitoring well elevation and location survey of the newly installed monitoring wells.

The following supplemental sampling was performed in accordance with the RIWP, with email approval from NYSDEC:

- Four additional (supplemental) temporary soil vapor points (designated as RI-SV-04A, RI-SV-04B, RI-SV-04C, and RI-SV-04D) were installed in the vicinity of RI-SV-04 to delineate detected carbon tetrachloride in soil vapor sample at this location during this RI. These additional sampling locations were stepped-out approximately 25 feet in each cardinal direction from the original RI-SV-04 location. One soil vapor sample was collected from each of the delineation points.
- Following site surveying, it was determined that two sample locations RI-SB-01/MW-01/MW-01D and RI-SB-14/MW-08/SV-06 were outside of the Site boundary. Per approval by the NYSDEC via email dated July 22, 2024, additional (supplemental) sample locations were completed on July 29 and 30, 2024 in accordance with the RIWP, which included the following:
 - Advancement of two additional soil borings, RI-SB-01A and RI-SB-14A and the collection of representative soil samples from each boring for laboratory analysis.
 - Installation, development, and sampling of two additional permanent groundwater monitoring wells, RI-MW-01DA and RI-MW-08A, for laboratory analysis.
 - Installation of one additional temporary soil vapor sampling point, RI-SV-06A, and the collection of a soil vapor sample for laboratory analysis.

The work summarized in the RIR was conducted in general accordance with the NYSDEC-approved May 2024 RIWP with the following deviations:

- Due to access limitations in the building basement, all soil borings located in the basement of the existing vacant building (RI-SB-02, RI-SB-03, RI-SB-08, RI-SB-12, and RI-SB-13) were advanced with a hand auger to suspected bedrock, which was encountered between approximately 2.5 to 6 feet below grade surface (bgs). Only one soil sample was collected from each soil boring.
- Due to access limitations associated with the presence of overhead utilities in the building basement, RI-MW-05 was installed as a 1-inch permanent groundwater monitoring well.

The locations of the soil borings, groundwater monitoring wells, and temporary soil vapor points from the RI are shown on Figure 2.

A total of 56 soil samples were collected for laboratory analysis during the SI and RI. SI samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compound (SVOCs), Pesticides, PCBs, and TAL Metals and RI samples were analyzed for VOCs, SVOCs, Pesticides, PCBs, Metals, Hexavalent chromium, cyanide, 1,4-Dioxane, and PFAS. The RI soil laboratory analytical results are summarized in Attached Tables 2A through 2F, and the SI soil laboratory analytical results are summarized in Attached Tables 5A through 5D. A concentration map showing VOCs, SVOCs, pesticides, PCBs, metals, and PFAS detected in soil samples above 6 New York Code of Rules and Regulations (NYCRR) Part 375 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and/or Restricted Residential Soil Cleanup Objectives (RRSCO) and/or Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) and the Unrestricted Use Guidance Values (UUGVs) and Restricted Residential Guidance Values (RRGVs) for PFAS from the RI and SI are presented on Figure 3.

Four groundwater samples were collected from temporary monitoring wells during the SI, and 13 groundwater samples were collected from permanent monitoring wells installed during the RI. SI samples were analyzed for VOCs and SVOCs and RI samples were analyzed for VOCs, SVOCs, Pesticides, PCBs, Metals, Cyanide, 1,4-Dioxane, Metals, and PFAS. A concentration map showing VOCs, metals, and PFAS detected in groundwater samples above the NYSDEC Technical Operational and Guidance Series (TOGS) Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs) are presented on Figure 4. The RI groundwater sample analytical results are presented in Attached Tables 3A through 3G, and the SI groundwater sample analytical results are presented in Attached Tables 6A and 6B. The inferred flow direction in groundwater is in a northwesterly direction across the Site.

Four soil vapor samples were collected during the SI and 12 soil vapor and one ambient air samples were collected during the RI. All samples were analyzed for VOCs. The RI soil vapor sample analytical results are included in Attached Table 4, and the SI soil vapor sample analytical results are included in Attached Table 7. Concentration maps showing the analytes detected in soil vapor samples from the RI and SI are presented on Figures 5A and 5B, respectively.

Based on an evaluation of the data and information in the RI, the primary contaminants of concern (COCs) at the Site include: metals and SVOCs in soil/fill material across the Site; chlorinated solvent-related VOCs in groundwater in the northern, central and western portions of the Site, and to a lesser extent, petroleum-related VOCs in groundwater in the southeastern portion of the Site; and chlorinated solvent-related VOCs in soil vapor in the western portion of the Site, and to a lesser extent, petroleum-related VOCs in soil vapor in the southeastern portion of the Site. Six areas of concern (AOCs) requiring remediation were identified. The AOCs include:

- AOC-1 includes site-wide shallow soil contamination, consisting of metals and SVOCs at depths of 0-2 feet bgs
- AOC-2 is a hot spot of soil contamination, consisting of metals and SVOCs at depths of 5-7 feet bgs
- AOC-3 is a hot spot of soil contamination, consisting of metals at depths of 2-4 feet bgs
- AOC-4 is a hot spot of soil contamination, consisting of metals at depths of 3-5 feet bgs
- AOC-5 is a hot spot of soil vapor contamination, consisting of the chlorinated solvent carbon tetrachloride at depths of 0-8 feet bgs
- AOC-6 is a hot spot of groundwater contamination, consisting of chlorinated solvents [tetrachloroethylene (PCE), trichloroethylene (TCE), and vinyl chloride] at depths of 5-15 feet bgs

Supplemental Investigation

Based on a letter received from the NYSDEC dated December 18, 2024, discussions with representatives of the NYSDEC and NYSDOH on December 19, 2024, and email on January 2, 2025, additional investigation is required to delineate the horizontal and vertical extent of chlorinated solvent groundwater plume (AOC-6). This SGWI Work Plan (SGWIWP) has been prepared to outline protocols for the installation and sampling of additional wells at the Site to complete the RI.

Fourteen VOCs, including chlorinated solvents and petroleum-related compounds, were detected at concentrations above their respective AWQSGVs in one or more groundwater samples. The highest concentrations of the chlorinated solvent PCE were detected in groundwater samples RI-MW-02D and TW-04 in the northern portion of the Site [380 and 440 micrograms per liter ($\mu\text{g/L}$), respectively].

The proposed scope for the SGWI includes the following:

- Installation and sampling of clusters of three additional deep overburden monitoring wells (RI-MW-09D, RI-MW-10D and RI-MW-11D) and three bedrock monitoring wells (RI-MW-09BR, RI-MW-10BR and RI-MW-11BR) to further delineate groundwater VOC contamination.
 - RI-MW-09D and RI-MW-09BR will be installed in the northwestern portion of the Site;
 - RI-MW-10D and RI-MW-10BR will be installed in the northeastern portion of the Site; and
 - RI-MW-11D and RI-MW-11 BR will be installed in the southeastern portion of the Site.
- Installation and sampling of two additional shallow/deep overburden monitoring well clusters (RI-MW-12/RI-MW-12D and RI-MW-13/RI-MW-13D) to further delineate groundwater VOC contamination.
 - RI-MW-12/RI-MW-12D will be installed in the west-central portion of the Site. (An additional shallow well be installed at this location as there are no nearby wells for comparison).
 - RI-MW-13/RI-MW-13D will be installed in the south-central portion of the Site. (An additional shallow well be installed at this location as there are no nearby wells for comparison).
- Sampling the 10 new wells for laboratory analysis for VOCs.
- Surveying the locations and elevations of the 10 new wells, and completion of at least one full round of fluid-level gauging (inclusive of all newly installed and existing monitoring wells) to facilitate groundwater elevation contour mapping.
- Collection of one soil sample from the interval directly above the bedrock interface from each soil boring advanced for each deep monitoring well. These five soil samples will be analyzed for VOCs.
- Two additional soil borings will also be advanced to further characterize soil at the Site.
 - RI-SB-15 will be advanced in the north-central portion of the Site.
 - RI-SB-16 will be advanced in the central portion of the Site

All proposed work will be performed in accordance with the NYSDEC-approved May 2024 RIWP and/or as indicated below in the proposed supplemental Scope of Work. Proposed additional sampling locations are included on Figure 2. Proposed monitoring well construction details, based on assumptions from previous investigations, are included on Table 8.

Proposed Supplemental Scope of Work

Overburden Well Installation

The proposed deep monitoring wells (RI-MW-09D, RI-MW-10D and RI-MW-11D) will be installed using a Sonic drill rig that is capable of advancing augers through unconsolidated soil/fill by advancing a 4-inch diameter steel casing to competent bedrock at each location. Monitoring wells will be installed by setting 5 feet of 2-inch diameter 0.01-slot PVC well screened immediately above the bedrock surface. The wells will be completed using 2-inch diameter PVC well riser and provided with a sand pack extending 1 foot above

the well screen, followed by a 2-foot layer of bentonite above the sand pack and then concrete grout to ground surface. Each well be finished at grade with a locking well cap and flush mount cover.

The overburden well clusters (RI-MW-12/RI-MW-12D and RI-MW-13/RI-MW-13D) will consist of one shallow well screened across the water table (estimated to be approximately 5 feet bgs) and an adjacent well screened immediately above bedrock surface. The wells will be installed using 2-inch diameter PVC well materials with 0.01-slot well screen (a 10-foot screen for the shallow well and a 5-foot screen for the deep well). The wells will be completed using 2-inch diameter PVC well riser and provided with a sand pack extending 1 foot above the well screen, followed by a 2-foot layer of bentonite and then concrete slurry to ground surface. Each well will be provided with a locking well cap and be finished with a flush mount cover.

Bedrock Well Installation

Three bedrock monitoring wells (RI-MW-09BR, RI-MW-10BR and RI-MW-11BR) will be installed adjacent to each of the newly installed deep overburden wells. The depth to bedrock at each of the proposed bedrock monitoring wells will be established during installation of the adjacent deep monitoring wells (confirmed by examining soil cores from soil boring advancement using a Sonic drill rig). The proposed bedrock wells will be installed by advancing a 4 to 6-inch diameter steel casing at least 5 feet into competent bedrock. The bottom of the casing will be set using a slurry grout consisting of Type I Portland cement/bentonite or cement/sand mixture and left to cure for at least 24 hours. After the grout has cured, a boring will be advanced through the outer casing and continuous bedrock cores will be collected by spinning the coring barrel fitted with a custom shoe into the bedrock at 5-foot intervals until the first water bearing fracture is encountered. The bedrock cores will be placed in a core box and logged for geology and fracture content. After completing the coring process, the boring for the bedrock well will be over drilled using an approximately 3.9-inch diameter roller bit and a truck-mounted drill rig. The bedrock wells will be constructed with 2-inch diameter PVC, which will include 5 to 10 feet of 0.02 slotted well screen installed into the first water bearing zone in competent bedrock. The annular space around the well screen will be backfilled with sand filter pack extending from the bottom of the well to 1 to 2 feet above the screen. The annular space around the well riser will be sealed with bentonite extending 1 to 2 feet above the sand filter pack and completed to ground surface and within the exterior casing with a non-shrinking cement mixture to grade. Each well will be provided with a locking well cap and be finished with a flush mount cover.

Well Development

Following installation, each monitoring well will be developed via pumping and surging to remove accumulated fines and establish a hydraulic connection with the surrounding aquifer. Development will continue until turbidity within the well is less than 50 nephelometric turbidity units (NTUs) for three successive readings and water quality indicators (pH, temperature, and specific conductivity) have stabilized, or until at least three well volumes have been purged from the well.

Additional Soil Boring Advancement

A Sonic drill rig will be used to collect soil samples from soil borings RI-SB-15 and RI-SB-16, as shown on Figure 2. Groundwater is anticipated to be encountered between 4 to 6 feet bgs, and a silty-clay semi-confining layer is anticipated to be encountered, if present, at depths ranging from approximately 1 to 5 feet bgs. Soil borings will be advanced at these locations to 5 feet into the silty-clay semi-confining layer, 5 below observed groundwater and/or a minimum depth of 10 feet below grade, whichever is deeper.

AKRF will notify the NYSDEC via phone/email in the event of any deviations from this plan due to Site conditions.

Soil Sampling and Analysis

One soil sample will be collected from each deep soil boring (RI-MW-09D through RI-MW-13D) from directly above the bedrock interface. These soil samples will be analyzed for VOCs.

A minimum of two soil samples will be collected from the shallow soil borings (RI-SB-15 and RI-SB-16) for laboratory analysis of VOCs. One sample will be collected from the interval in the vadose and saturated zones indicative of the highest levels of field contamination (e.g., odors, PID readings, etc.). In the absence of field evidence of contamination, the sample from the vadose zone will be collected from the interval immediately above the soil/water interface, and the soil sample from the saturated zone will be collected from the terminus of the boring.

Additional soil samples will be collected if any field evidence of contamination (visual, olfactory, and/or elevated PID readings) is observed.

Samples slated for laboratory analysis will be labeled and placed in laboratory-supplied containers and shipped to the laboratory via courier with appropriate chain-of-custody documentation in accordance with appropriate USEPA protocols to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified laboratory. The samples will be analyzed for VOCs by EPA Method 8260.

Groundwater Sampling and Analysis

In accordance with EPA low-flow sampling protocols, the wells will be sampled a minimum of one week following their development. Prior to sampling the monitoring wells, an electronic interface probe will be used to measure the water level in each well, and a bailer will be used to measure any separate phase liquid that is detected. The monitoring wells will be purged and sampled in accordance with EPA's low-flow sampling procedures using a submersible or peristaltic pump. The purge water will be monitored for turbidity and water quality indicators [i.e., pH, dissolved oxygen, oxidation-reduction potential (ORP), temperature, and specific conductivity] with measurements collected approximately every five minutes. The criteria for stabilization will be three successive readings within $\pm 10\%$ for pH, temperature, and specific conductivity.

The groundwater samples will be collected and containerized in accordance with NYSDEC and EPA protocols. Each sample container will be properly preserved, labeled, and placed in an ice-filled cooler for delivery via courier under standard COC procedures to a NYSDOH ELAP-certified laboratory for analysis with Category B deliverables. The groundwater samples collected from the wells will only be sampled for VOCs by EPA Method 8260 during the SGWI.

Quality Assurance/Quality Control (QA/QC) and Data Usability Review

As required for Category B deliverables, additional samples will be included for QA/QC purposes. The QA/QC samples will be collected in accordance with the Quality Assurance Project Plan (QAPP) included as Appendix A of the NYSDEC-approved May 2024 RIWP, and will include one field blank, one field duplicate, and one matrix spike/matrix spike duplicate (MS/MSD) to be analyzed for the same list of parameters (VOCs) as the samples (the MS/MSD and field duplicate samples will be collected from one of the newly installed wells). In addition, a laboratory-supplied aqueous trip blank will accompany each sample shipment and will be analyzed for VOCs only. Upon receipt of the analytical data package from the laboratory, it will be reviewed by a third-party data validator, who will prepare a Data Usability summary Report (DUSR).

Decontamination and Investigation-Derived Waste (IDW) Management

All non-dedicated sampling equipment will be decontaminated between sampling locations by scrubbing and rinsing twice a biodegradable soap (e.g., Alconox) and tap water, and rinsing a final time with distilled water.

All IDW will be containerized in NYSDOT-approved 55-gallon drums. The drums will be sealed at the end of each workday and labeled with the date, the well 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 will be labeled "pending analysis" until laboratory data is available. The drums will be properly disposed of off-site at a permitted facility following receipt of the analytical results.

Monitoring Well Survey

The new groundwater monitoring wells will be surveyed by a New York State-licensed surveyor to determine their accurate locations and elevations. Two elevation measurements will be taken at each well: the at-grade elevation adjacent to the well cover and the elevation of the top of the PVC casing, to facilitate preparation of an updated groundwater elevation contour maps for the shallow and deep monitoring wells. The elevation datum for the wells will be based on NAVD88.

Health and Safety and Perimeter Air Monitoring

All work outlined in this SGWIWP will be conducted in accordance with the Health and Safety Plan (HASP) included as Appendix B of the NYSDEC-approved May 2024 RIWP. Air monitoring during advancement of soil borings and well installation will include collecting continuous VOC and particulate measurements within the work zone and continuous community air monitoring at the work zone perimeter utilizing two portable air monitoring stations setup at the upwind and downwind perimeter. Air monitoring during well sampling will include collecting continuous VOC and particulate measurements within the work zone and periodic measurements (at least once per hour) at the work zone perimeter utilizing only roving equipment. Response actions will be implemented as required based on perimeter air monitoring results in accordance with the NYSDOH Generic CAMP and as described in the Community Air Monitoring Plan (CAMP) included as Appendix C of the NYSDEC-approved May 2024 RIWP.

Reporting

Daily progress reports will be submitted to the NYSDEC following each workday during implementation of the SGWI field activities to summarize work progress, field findings, and air monitoring results. Upon receipt of the analytical data and DUSR, AKRF will incorporate the results of the SGWI into an updated RIR, which will be submitted to the NYSDEC for review/approval. The results of the SGWI will also be used to update the draft Remedial Action Work Plan (RAWP), which was submitted to the NYSDEC in December 2024.

Previous Off-Site Investigation and Construction Measures

AKRF, Inc. (AKRF), on behalf of Trinity New York Development, LLC (Trinity) performed subsurface investigation services, and prepared environmental construction specifications and documents for the Brookfield Commons II Site at 135 South Lexington Avenue in White Plains, New York, which is north-adjacent to the Project Site (BCP Site C360246).

AKRF conducted a subsurface (Phase II) investigation at the Site in July 2017. The investigation included: a geophysical survey; advancement of six soil borings, four of which were retrofitted as temporary groundwater monitoring wells and four soil vapor sampling points; and the collection of eight soil, four groundwater, and four soil vapor samples for laboratory analyses. Results from the soil samples were compared to the 6 NYCRR Part 375-6.4 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). No VOCs, SVOCs or PCBs results exceeded any of the SCOs. Lead was detected in one sample (472 ppm) above the RRSCO of 400 ppm. Barium, chromium and zinc were detected above the UUSCOs, but no other detections were above the RRSCOs. Results from the groundwater samples were compared to NYSDEC Class GA Ambient Water Quality Standards (AWQS). Three VOCs, cis-1,2-dichloroethene (cis-1,2-DCE), tetrachloroethene (PCE), and trichloroethene (TCE), exceeded their respective AWQS. Results from the soil vapor samples were compared to the NYSDOH indoor AGVs. These values are for inside buildings, but they were used for comparison in the absence of soil vapor standards or guidelines. One of the four samples exceeded the AGV for PCE by a factor of 2.7. It should be noted that the US Environmental Protection Agency recommended a generic attenuation factor from soil vapor to indoor air of 33.3, even with an existing old slab. Additional VOCs, for which there were no AGVs at the time, were also detected, the majority of which are typically

associated with gasoline. As with the soil and groundwater results, these findings were typical of urban environments.

Although the soil vapor sample results did not indicate the need for mitigation, Trinity installed a passive sub-slab depressurization system (SSDS) and vapor barrier. AKRF performed inspections during installation of the SSDS at milestone construction stages and included: a vapor barrier, gas permeable aggregate, pipe trenching, sub-slab polyvinyl chloride (PVC) slotted and collection piping, galvanized steel manifold and riser piping, and the discharge stack. Based on AKRF's inspections, the installation of the major elements of the passive SSDS was performed in accordance with the approved construction documents, including specifications and drawings, as detailed in an SSDS Inspection letter (prepared by AKRF) dated August 16, 2022.

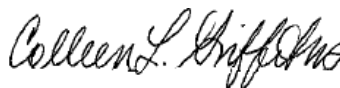
Schedule

The field work associated with the scope outlined in this SGWIWP has been tentatively scheduled to begin on January 13, 2024, pending NYSDEC review and approval of this work plan. Please contact Colleen at (914) 922-2363 or cgriffiths@akrf.com if you have any questions or require any additional information.

Sincerely,
AKRF, Inc.



Marc S Godick, LEP
Senior Vice President



Colleen Griffiths
Vice President

cc: Steven McCague, Sarah Saucier – NYSDEC
Johnathan Robinson, Melissa Doroski – NYSDOH
Thomas Brown, Omalawa Abdullah-Musa, Allison Brown – Trinity/Volunteer
Lawrence Schnapf – Schnapf LLC
Gregory Baird, Rebecca Kinal – AKRF

Certification

List of Attached Figures

Figure 1 – Site Location

Figure 2 – Site and Sample Location Plan

Figure 3 – SI and RI Soil Sample Concentrations Above UUSCOs, RRSCO, PGWSCO, and PFAS Guidance Values

Figure 4 – SI and RI Groundwater Sample Concentrations Above AWQSGVs and PFAS Guidance Values

Figure 5A – RI Soil Vapor Detections

Figure 5B – SI Soil Vapor Detections

Figure RI-MW-XXD – Example Soil Boring and Well Installation Log

Figure RI-MW-XXBR – Example Bedrock Installation Log

List of Attached Tables

Attached Table 1 – Groundwater Elevation Data

Attached Tables 2A-2F – Remedial Investigation Soil Analytical Results

Attached Tables 3A-3G – Remedial Investigation Groundwater Analytical Results

Attached Table 4 – Remedial Investigation Soil Vapor Analytical Results

Attached Tables 5A-5D – Site Investigation Soil Analytical Results

Attached Table 6A-6B – Site Investigation Groundwater Analytical Results

Attached Table 7 – Site Investigation Soil Vapor Analytical Results

Attached Table 8 – Proposed Monitoring Well Construction Details

Attached Previous Off-Site Investigation

Subsurface (Phase II) Investigation Report, September 2017

Sub-Slab Depressurization System (SSDS) Inspections Letter, August 16, 2022

Waterproofing Specification Section 071326 for Self-Adhering Waterproofing

CERTIFICATION

I, Marc 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

Qualified Environmental Professional

January 2, 2025

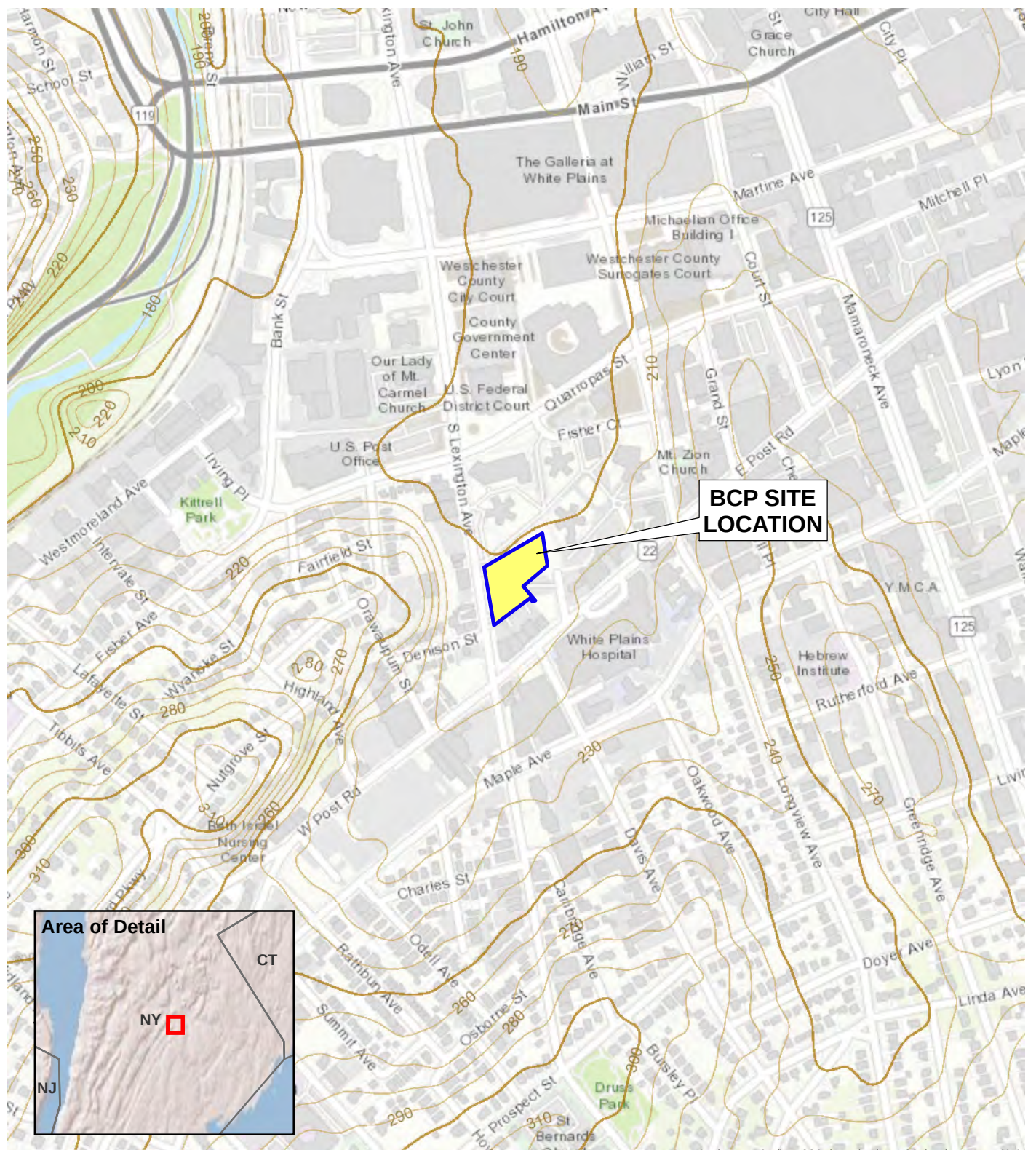
Date



Signature

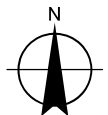
FIGURES

© 2024 AKRF. W:\Projects\210122 - SAR BROOKFIELD COMMONS PHASE 3\Technical\GIS and Graphics\SAR\BCP RIR\210122 Fig 1 Site Location.mxd 9/27/2024 4:54:25 PM jzsalus



Service Layer Credits: USGS The National Map: 3d Elevation Program, Data Refreshed July, 2021

Service Layer Credits: USGS The National Map: 3d Elevation Program 2019
Map Source: World Topo map service from ESRI



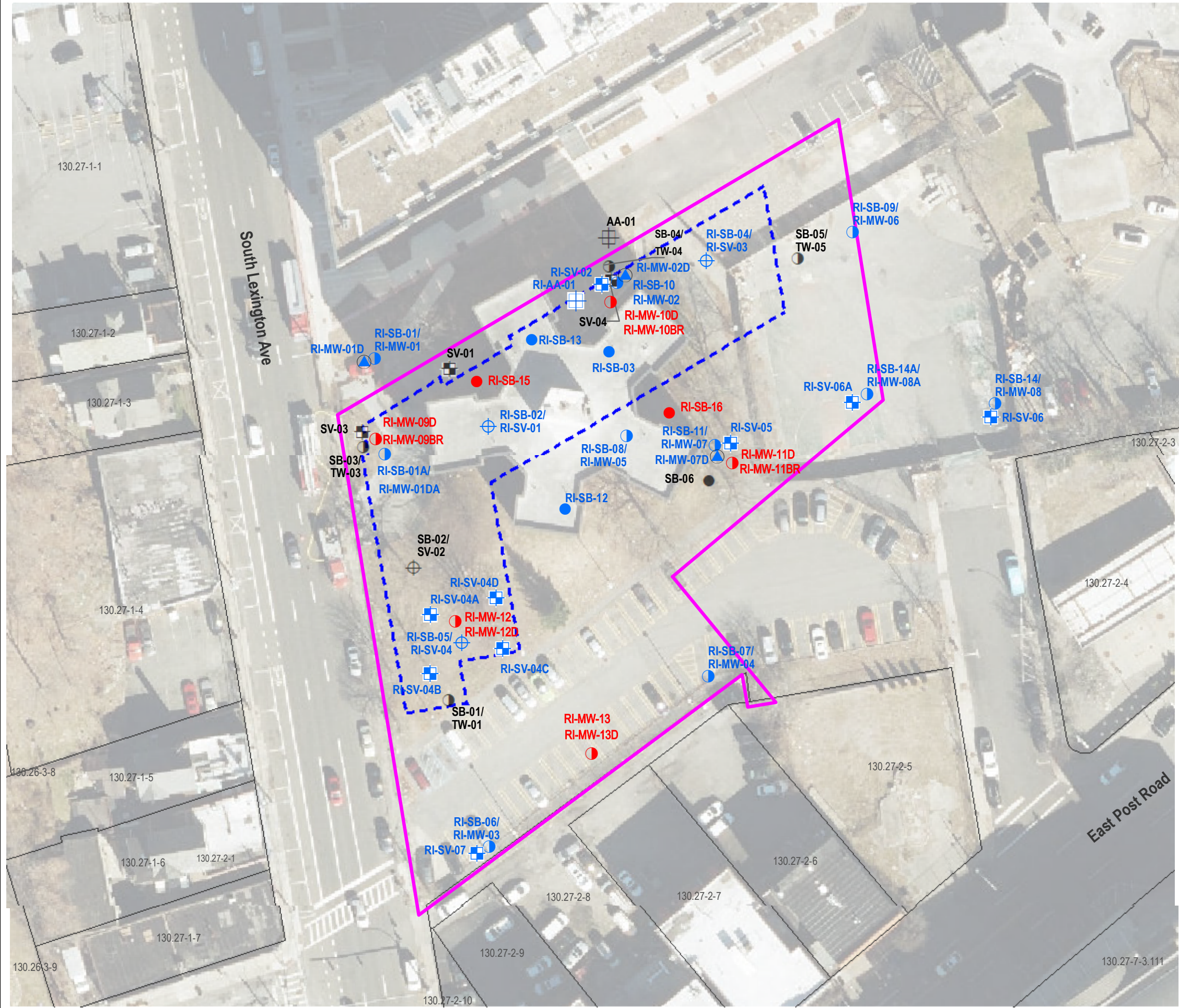
34 South Broadway #401
White Plains, NY 10601

Brookfield Commons Phase 3
White Plains, New York

BCP SITE LOCATION

DATE
9/27/2024
PROJECT NO.
210122
FIGURE
1

© 2024 AKRF W:\Projects\210122 - SAR BROOKFIELD COMMONS PHASE 3\Technical\GIS and Graphics\SAR\Map RIR\210122 Fig 2 Site Plan and Sample Locations.mxd 10/30/2024 10:05:28 AM isalus



LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY AND PRINT KEY (BLOCK AND LOT)
- PROPOSED BUILDING FOOTPRINT
- SOIL BORING (APRIL 2021)
- SOIL BORING/TEMPORARY WELL (APRIL 2021)
- SOIL BORING/SOIL VAPOR POINT (APRIL 2021)
- SOIL VAPOR POINT (APRIL 2021)
- AMBIENT AIR SAMPLE LOCATION (APRIL 2021)
- RI SOIL BORING
- RI MONITORING WELL
- RI SOIL BORING/MONITORING WELL
- RI SOIL BORING/SOIL VAPOR POINT
- RI SOIL VAPOR POINT
- RI AMBIENT AIR SAMPLE
- SUPPLEMENTAL SOIL BORING/MONITORING WELL
- SUPPLEMENTAL SOIL BORING



Map Source:
giswww.westchestergov.com (GIS database)
Aerial Source:
2023 New York Statewide Digital Orthoimagery



Brookfield Commons Phase 3
White Plains, New York

SITE PLAN AND SAMPLING LOCATIONS

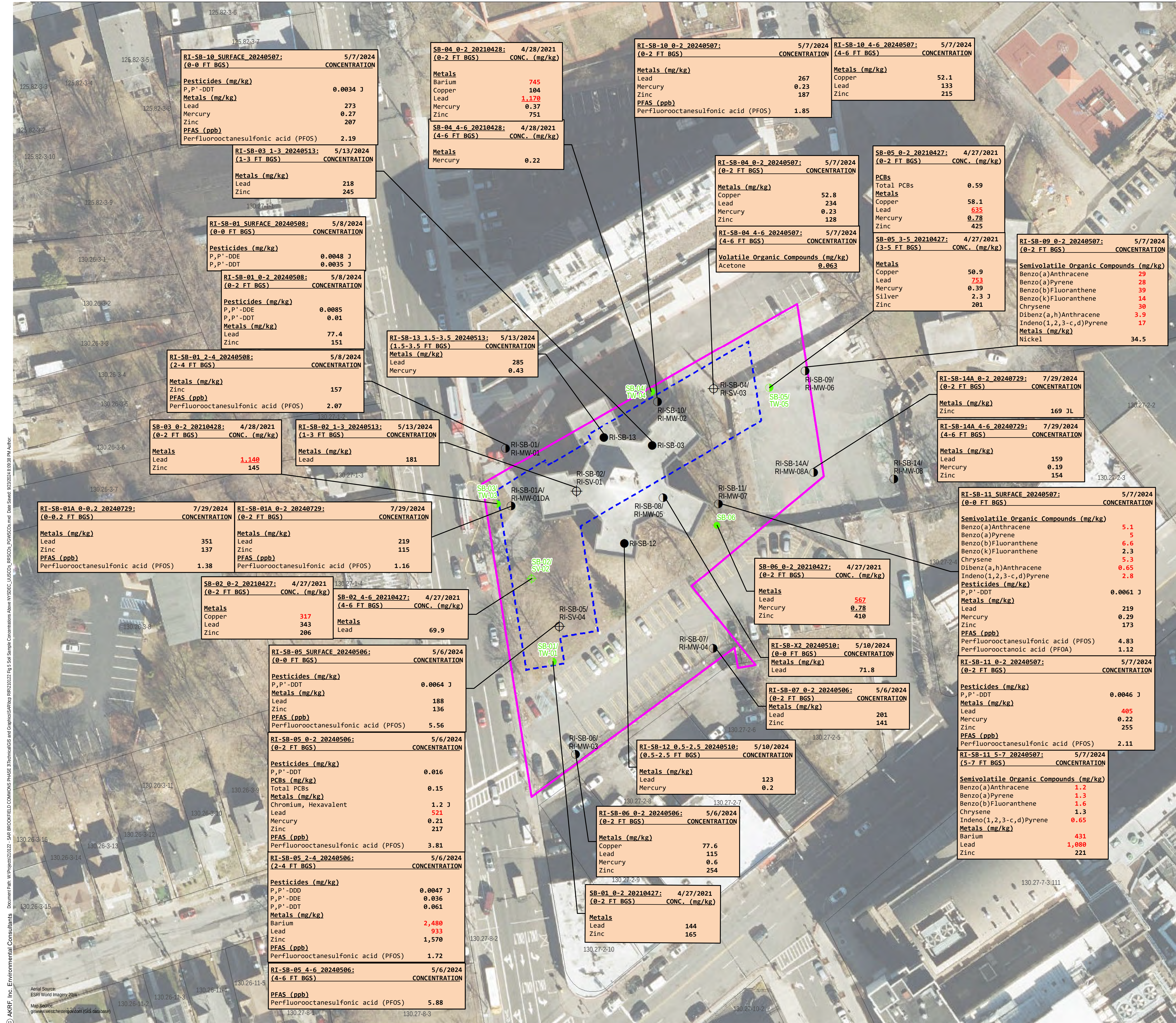


34 South Broadway #401
White Plains, NY 10601

DATE
12/30/2024

PROJECT NO.
210122

FIGURE
2



- LEGEND**
- PROJECT SITE BOUNDARY
 - LOT BOUNDARY AND PRINT KEY (BLOCK AND LOT)
 - PROPOSED BUILDING FOOTPRINT
 - SOIL BORING (APRIL 2021)
 - SOIL BORING/TEMPORARY WELL (APRIL 2021)
 - SOIL BORING/SOIL VAPOR POINT (APRIL 2021)
 - RI SOIL BORING
 - RI SOIL BORING/MONITORING WELL
 - RI SOIL BORING/SOIL VAPOR POINT

Part 375 Soil Cleanup Objectives (SCOs) and PFAS Guidance Values: 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.

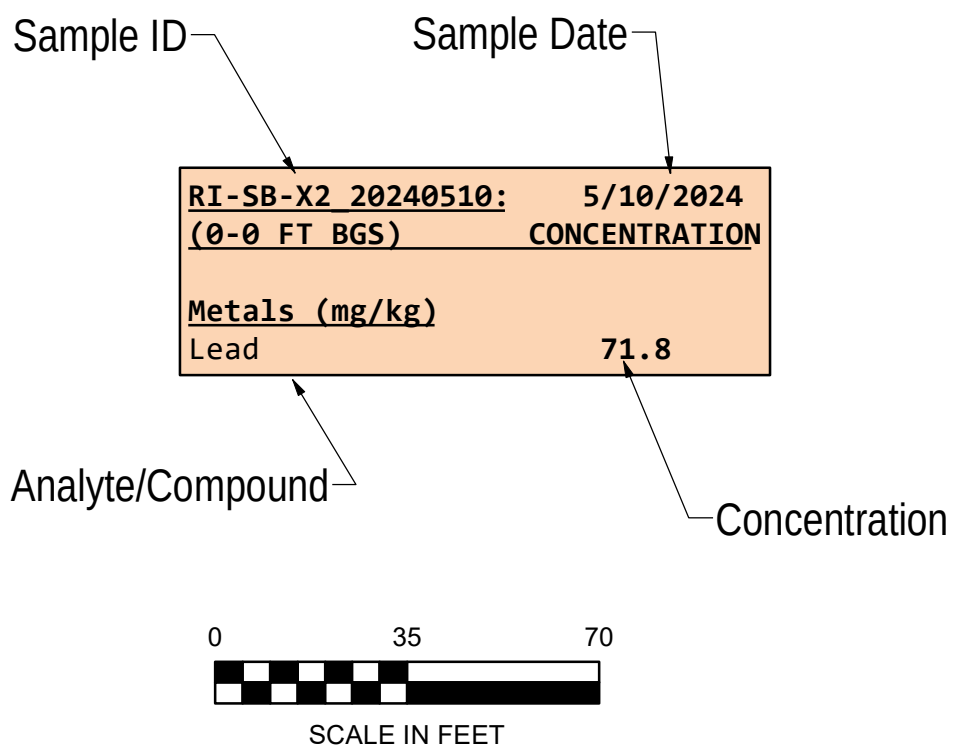
Exceedances of NYSDEC Restricted Residential Soil Cleanup Objectives (RRSCOs) are presented in red.

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

mg/kg: milligrams per kilogram = parts per million (ppm)
µg/kg: micrograms per kilogram = parts per billion (ppb)

J: The concentration given is an estimated value.
L: Sample result is estimated and biased low.

	PART 375 PROTECTION OF GROUNDWATER mg / kg	PART 375 RESTRICTED RESIDENTIAL mg / kg	PART 375 UNRESTRICTED mg / kg
Volatile Organic Compounds			
Acetone	0.05	100	0.05
Semivolatile Organic Compounds			
Benzo(a)Anthracene	1	1	1
Benzo(a)Pyrene	22	1	1
Benzo(b)Fluoranthene	1.7	1	1
Benzo(k)Fluoranthene	1.7	3.9	0.8
Chrysene	1	3.9	1
Dibenz(a,h)Anthracene	1,000	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	8.2	0.5	0.5
Metals			
Barium	820	400	350
Chromium, Hexavalent	19	110	1
Copper	1,720	270	50
Lead	450	400	63
Mercury	0.73	0.81	0.18
Nickel	130	310	30
Silver	8.3	180	2
Zinc	2,480	10,000	109
PCBs			
Total PCBs	3.2	1	0.1
Pesticides			
P,P'-DDD	14	13	0.0033
P,P'-DDE	17	8.9	0.0033
P,P'-DDT	136	7.9	0.0033
PFAS			
Perfluorooctanesulfonic acid (PFOS)		44	0.88
Perfluorooctanoic acid (PFOA)		33	0.66



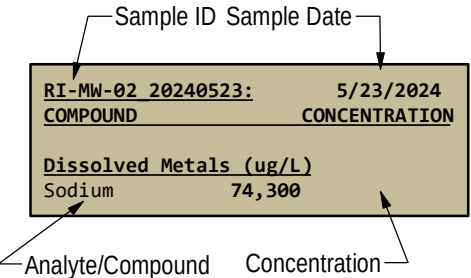
	PROJECT SITE BOUNDARY
	LOT BOUNDARY AND PRINT KEY (BLOCK AND LOT)
	PROPOSED BUILDING FOOTPRINT
	SOIL BORING/TEMPORARY WELL (APRIL 2021)
	MONITORING WELL
	SOIL BORING/MONITORING WELL

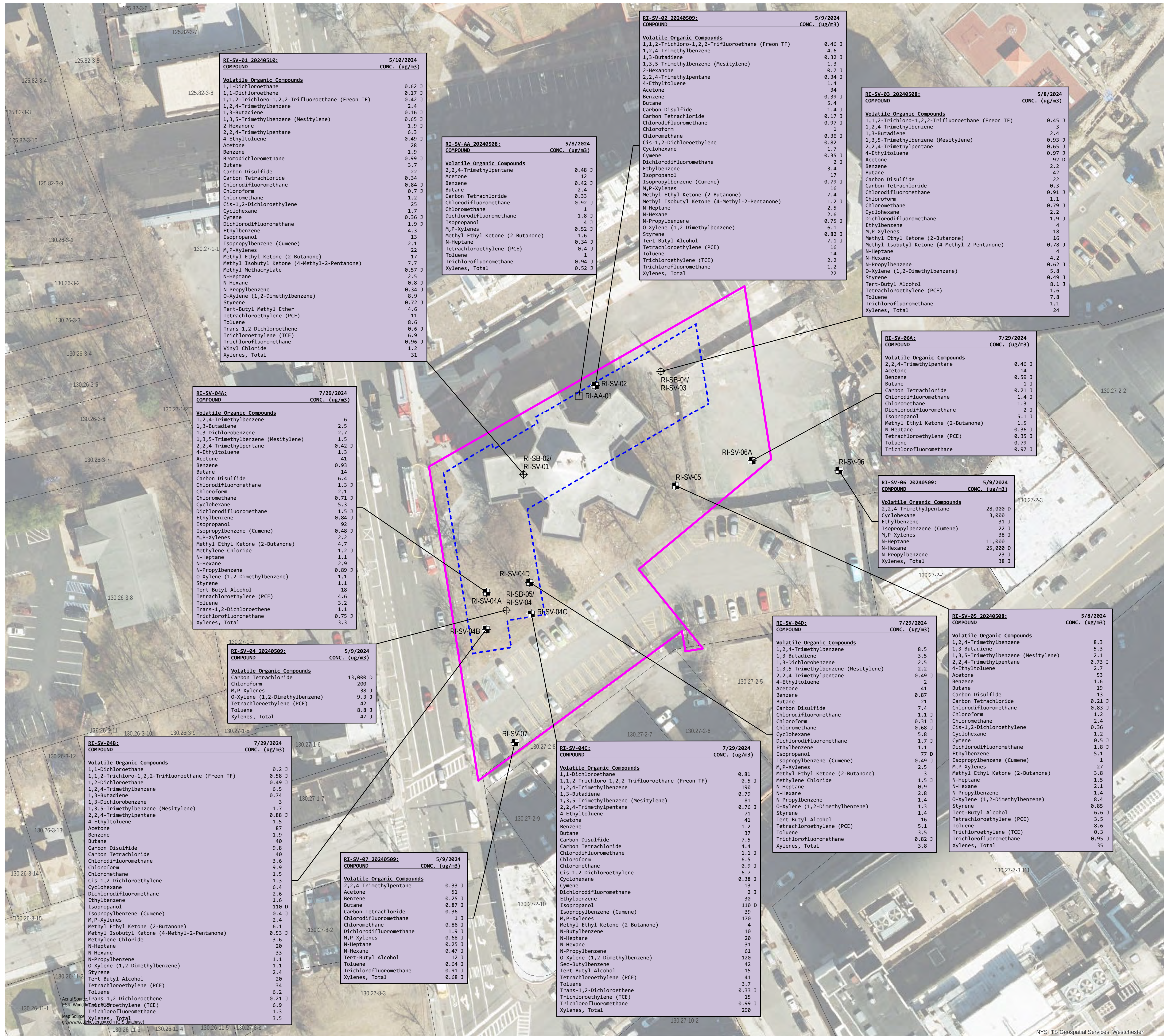
ug/L: micrograms per Liter = parts per billion (ppb)
opt: parts per trillion

D: Indicates an identified compound in an analysis that has been diluted.

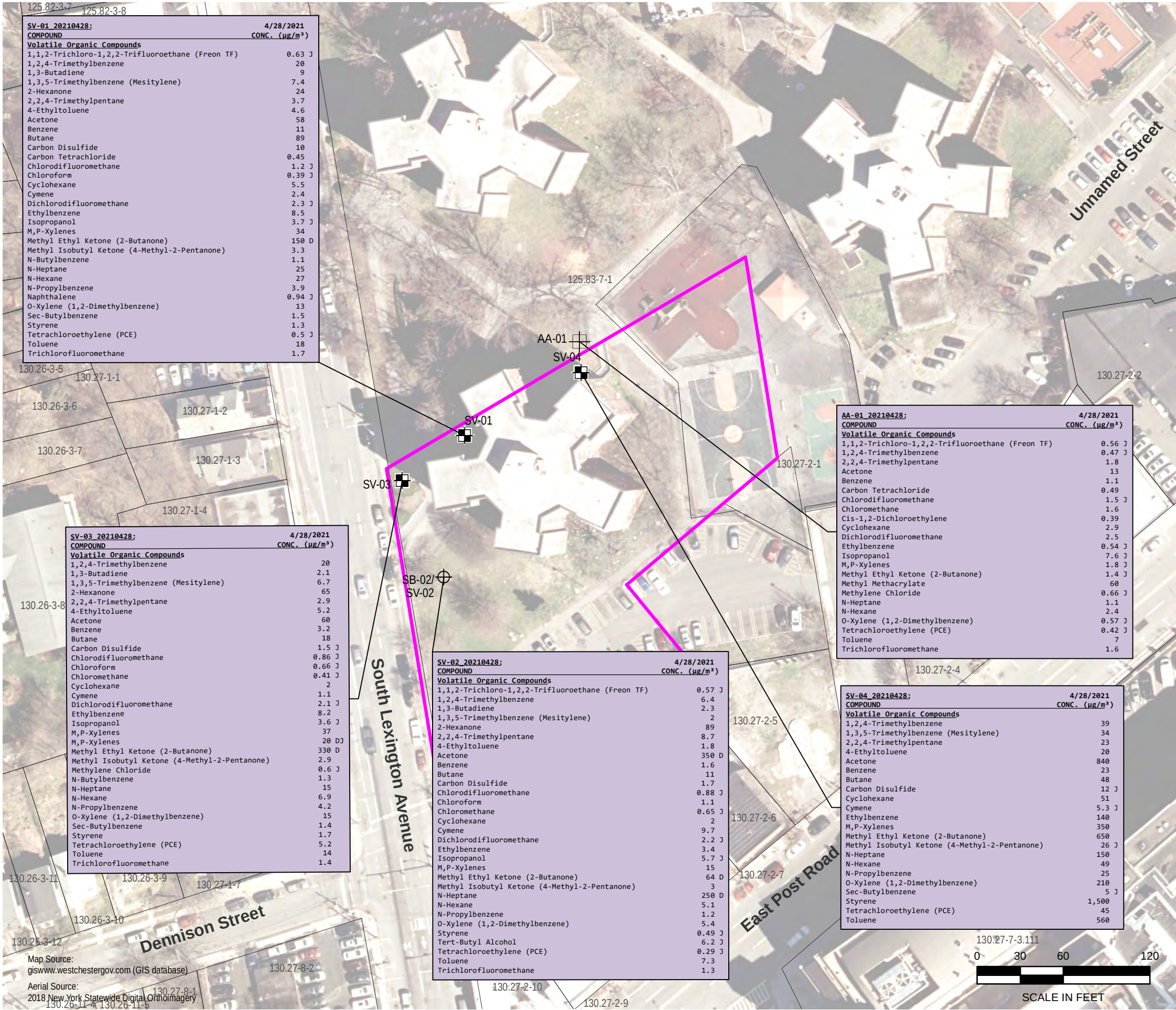
NYSDEC AWQSGVs	
	µg/l
Volatile Organic Compounds	
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene (Mesitylene)	5
Benzene	1
Cis-1,2-Dichloroethylene	5
Ethylbenzene	5
N-Butylbenzene	5
N-Propylbenzene	5
O-Xylene (1,2-Dimethylbenzene)	5
Sec-Butylbenzene	5
Tetrachloroethylene (PCE)	5
Trichloroethylene (TCE)	5
Vinyl Chloride	2
Xylenes, M,P	5
Metals	
Iron	300
Lead	25
Magnesium	35,000
Manganese	300
Sodium	20,000

	PFAS Groundwater
	ppt
Perfluorooctanesulfonic acid (PFOS)	2.7
Perfluorooctanoic acid (PFOA)	6.7





© 2024 AKRF W:\Projects\210122 - SAR BROOKFIELD COMMONS PHASE 3\Technical\GIS and Graphics\SAR\Map RIR\210122 Fig 7A Soil Vapor Detections (April 2021).mxd 9/27/2024 4:46:19 PM is:slus



LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY WITH BLOCK AND LOT NUMBER
- SOIL BORING/SOIL VAPOR POINT
- SOIL VAPOR POINT

SOIL VAPOR

J: The concentration given is an estimated value.
D: Analyte concentration obtained from dilution.

µg/m³ - micrograms per cubic meter

Concentrations detected above the laboratory reporting limit are shown.

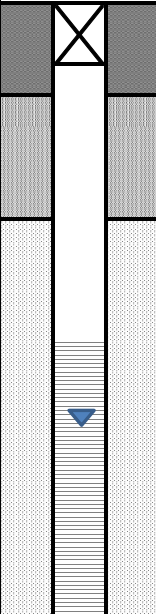
Sample ID	Sample Date	Analyte/Compound	Concentration
SV-04	20210428	1,2,4-Trimethylbenzene	39
SV-04	20210428	1,3,5-Trimethylbenzene (Mesitylene)	34
SV-04	20210428	2,2,4-Trimethylpentane	23
SV-04	20210428	4-Ethyltoluene	20
SV-04	20210428	Acetone	840
SV-04	20210428	Benzene	23
SV-04	20210428	Butane	48
SV-04	20210428	Carbon Disulfide	12 J
SV-04	20210428	Cyclohexane	51
SV-04	20210428	Cymene	5.3 J
SV-04	20210428	Ethylbenzene	140
SV-04	20210428	M,P-Xylenes	350
SV-04	20210428	Methyl Ethyl Ketone (2-Butanone)	650
SV-04	20210428	Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	26 J
SV-04	20210428	N-Heptane	150
SV-04	20210428	N-Hexane	49
SV-04	20210428	N-Propylbenzene	25
SV-04	20210428	O-Xylene (1,2-Dimethylbenzene)	210
SV-04	20210428	Sec-Butylbenzene	5 J
SV-04	20210428	Styrene	1,500
SV-04	20210428	Tetrachloroethylene (PCE)	45
SV-04	20210428	Toluene	560

Brookfield Commons Phase 3
White Plains, New York
SI SOIL VAPOR SAMPLE CONCENTRATIONS



DATE	9/27/2024
PROJECT NO.	210122
FIGURE	5B

BEDROCK WELL INSTALLATION LOG		AKRF Project Number:		Groundwater Monitoring Well ID:		MW-XXBR	
		AKRF Project Number:		Sheet 1 of 1			
 440 Park Avenue South, 7th Floor New York, NY 10016		Drilling Method:	Sonic	Drilling			
		Sampling Method:	Core Barrel				
		Driller:		Well Installation Start Time:		Well Installation Finish Time:	
		Weather:		Well Installation Date:			
Logged by:							
Depth (feet)	Well Construction		Construction Description				
1			Stick-up well cover and locking j-plug: 3' above grade to 1' below grade.				
2			Non-shrinking cement grout: 0' to 16' below grade				
3			Bentonite seal: 16' to 18' below grade				
4			2" diameter schedule 40 PVC well casing: 3' above grade to 20' below grade.				
5			2" diameter 0.020-slot PVC well screen: 20' to 25' below grade.				
6			No. 2 clean silica sand pack: 18' to 25' below grade.				
7			4" Outer Steel Casing : 0' to 13' below grade, 2' through weathered rock, 5' into competent rock.				
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
Legend - Overburden - Bedrock - Grout - Bentonite - Sandpack - Steel Casing - Slotted PVC Well							
Notes: Groundwater measured at XXX feet below top of PVC casing in MW-XXBR on January XX, 2025 Groundwater monitoring well installed to 25 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		AKRF Project Number:		Groundwater Monitoring Well ID: Sheet 1 of 1		RI-MW-XXD		Soil Boring ID: RI-MW-XXD			
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method: Geoprobe DPP / Sonic		Drilling							
		Sampling Method: 5' Macrocore		Soil Characterization Start Time: 13:20				Soil Characterization Finish Time:			
		Driller:		Well Installation Start Time: 9:00				Well Installation Finish Time:			
		Weather:		Soil Characterization Date:							
Logged by:				Well Installation Date:							
Depth (feet)	Well Construction	Surface Condition: Asphalt		Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis	
1		Flush-mounted well cover, locking j-plug, and concrete seal: 0' to 1.5' below grade.		47	Top 4" : ASPHALT.	None	Dry	ND	ND		
Bentonite seal: 2.5' to 4.5' below grade		Next 38" : Brown SAND, little fine Gravel, trace Silt.	None		Dry	ND	ND				
2" diameter schedule 40 PVC well casing: 0' to 5.5' below grade.		Bottom 5" : COBBLE.	None		Dry	ND	ND				
2			2" diameter 0.020-slot PVC well screen: 5.5' to 10' below grade.		30	Top 17" : Brown SAND, some fine Gravel, trace Silt.	None	Dry	ND	ND	
3			No. 2 clean silica sand pack: 4.5' to 10' below grade.			Bottom 13" : Brown SAND, some Organics (Wood), trace Silt, fine Gravel.	None	Dry	ND	ND	
4					Bedrock refusal at 10'					RI-MW-XXD-9-10_20250110	
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
Notes:  Groundwater Depth Indicator Groundwater measured at 7.0 feet below top of casing in RI-MW-XXD on January 10, 2025 Groundwater monitoring well installed to 10.0 feet below grade.				Groundwater encountered at approximately 7 feet below grade during soil boring installation. End of soil boring at 10 feet below grade due to refusal on bedrock.							
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.											

TABLES

Table 1
Groundwater Elevation Summary
Brookfield Commons Phase 3
White Plains, NY

Monitoring Well	Top of Cap Elevation (ft.) ¹	Top of Casing Elevation (ft.)	Depth to Water (ft. bgs) ²	Groundwater Elevation (ft.)
RI-MW-01	198.86	198.64	4.80	194.06
RI-MW-01D	199.08	198.49	5.10	193.98
RI-MW-01DA	201.22	201.01	5.81	195.41
RI-MW-02	198.51	198.29	4.82	193.69
RI-MW-02D	198.53	198.32	4.95	193.58
RI-MW-03	201.46	201.09	3.14	198.32
RI-MW-04	200.08	198.86	3.00	197.08
RI-MW-05	196.83	196.83	3.10	193.73
RI-MW-06	199.84	199.40	5.31	194.53
RI-MW-07	201.24	201.02	5.41	195.83
RI-MW-07D	201.22	200.91	6.21	195.01
RI-MW-08	202.73	202.31	6.10	196.63
RI-MW-08A	201.66	201.53	5.90	195.76

Notes:

¹Elevation measured in feet (ft.) above mean sea level according to the North American Vertical Datum of 1988 (NAVD88).

²Depth to water measured in feet below ground surface (ft. bgs) at each sample location.

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-01_0-2_20240508 460-303510-2 5/08/2024 1 mg/kg	RI-SB-01_SURFACE_20240508 460-303510-1 5/08/2024 1 mg/kg	RI-SB-01_2-4_20240508 460-303510-5 5/08/2024 1 mg/kg	RI-SB-01_6-8_20240508 460-303510-3 5/08/2024 1 mg/kg	RI-SB-01_10-12_20240508 460-303510-4 5/08/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
2-Hexanone	NS	NS	NS	0.0055 U	0.0065 U	0.0056 U	0.0052 U	0.0048 U
Acetone	0.05	100	0.05	0.0066 U	0.016	0.0067 U	0.018	0.015
Benzene	0.06	4.8	0.06	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Bromoform	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Bromomethane	NS	NS	NS	0.0022 UJ	0.0026 UJ	0.0022 UJ	0.0021 UJ	0.0019 UJ
Carbon Disulfide	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00068 J
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Chloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Chloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Cyclohexane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Ethylbenzene	1	41	1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
M,P-Xylenes	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Methyl Acetate	NS	NS	NS	0.0055 U	0.0065 U	0.0056 U	0.0052 U	0.0048 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0065 U	0.0056 U	0.0033 J	0.0034 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0055 U	0.0065 U	0.0056 U	0.0052 U	0.0048 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Methylene Chloride	0.05	100	0.05	0.0015 J	0.0026 U	0.0017 J	0.0021 U	0.0019 U
N-Butylbenzene	12	100	12	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
N-Propylbenzene	3.9	100	3.9	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Styrene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00096 U
Xylenes, Total	0.26	100	1.6	0.0022 U	0.0026 U	0.0022 U	0.0021 U	0.0019 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

Compound	AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-02_1-3_20240513 460-303833-2 5/13/2024 1 mg/kg	RI-SB-03_1-3_20240513 460-303833-1 5/13/2024 1 mg/kg	RI-SB-04_0-2_20240507 460-303419-9 5/07/2024 1 mg/kg	RI-SB-04_4-6_20240507 460-303419-10 5/07/2024 1 mg/kg	RI-SB-05_0-2_20240506 460-303359-1 5/06/2024 1 mg/kg
	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 UJ	0.001 UJ	0.00091 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 UJ	0.001 UJ	0.00091 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
2-Hexanone	NS	NS	NS	0.0053 U	0.0063 U	0.0054 U	0.0052 U	0.0045 U
Acetone	0.05	100	0.05	0.02	0.032	0.0065 U	0.063	0.0055 U
Benzene	0.06	4.8	0.06	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Bromoform	NS	NS	NS	0.0011 UJ	0.0013 UJ	0.0011 UJ	0.001 U	0.00091 U
Bromomethane	NS	NS	NS	0.0021 U	0.0025 U	0.0022 U	0.0021 U	0.0018 U
Carbon Disulfide	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 UJ	0.0013 UJ	0.0011 U	0.001 U	0.00091 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Chloroethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Chloroform	0.37	49	0.37	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Chloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0005 J	0.0033	0.0011 U	0.001 U	0.00091 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Cyclohexane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Ethylbenzene	1	41	1	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
M,P-Xylenes	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Methyl Acetate	NS	NS	NS	0.0053 U	0.0063 U	0.0054 U	0.0052 U	0.0045 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0053 U	0.0063 U	0.0054 U	0.016	0.0045 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0053 U	0.0063 U	0.0054 U	0.0052 U	0.0045 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Methylene Chloride	0.05	100	0.05	0.0021 U	0.0025 U	0.0022 U	0.0018 J	0.0018 U
N-Butylbenzene	12	100	12	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
N-Propylbenzene	3.9	100	3.9	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Styrene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.0019	0.0011 U	0.001 U	0.00091 U
Toluene	0.7	100	0.7	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 U	0.0005 J	0.0011 U	0.001 U	0.00091 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.0013 U	0.0011 U	0.001 U	0.00091 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.0022	0.0011 U	0.001 U	0.00091 U
Xylenes, Total	0.26	100	1.6	0.0021 U	0.0025 U	0.0022 U	0.0021 U	0.0018 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

Compound	AKRF Sample ID			RI-SB-05_SURFACE_20240506	RI-SB-05_2-4_20240506	RI-SB-05_4-6_20240506	RI-SB-06_0-2_20240506	RI-SB-X1_6-8_20240506
	Laboratory Sample ID			460-303359-2	460-303359-4	460-303359-3	460-303359-9	460-303359-8
	Date Sampled			5/06/2024	5/06/2024	5/06/2024	5/06/2024	5/06/2024
	Dilution Factor			1	1	1	1	1
	Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,2-Dichloropropane	NS	NS	NS	0.0012 UJ	0.001 UJ	0.0017 UJ	0.00094 UJ	0.0017 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
2-Hexanone	NS	NS	NS	0.0062 U	0.0051 U	0.0084 U	0.0047 U	0.0085 U
Acetone	0.05	100	0.05	0.0075 U	0.027	0.01 U	0.0056 U	0.047
Benzene	0.06	4.8	0.06	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Bromoform	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Bromomethane	NS	NS	NS	0.0025 U	0.002 U	0.0033 U	0.0019 U	0.0034 U
Carbon Disulfide	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Chloroethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Chloroform	0.37	49	0.37	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Chloromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Cis-1, 2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.001 U	0.0013 J	0.00094 U	0.0017 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Cyclohexane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Ethylbenzene	1	41	1	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
M,P-Xylenes	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Methyl Acetate	NS	NS	NS	0.0062 U	0.0051 U	0.0084 U	0.0047 U	0.0085 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0062 U	0.0048 J	0.0084 U	0.0047 U	0.0095
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0062 U	0.0051 U	0.0084 U	0.0047 U	0.0085 U
Methylcyclohexane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Methylene Chloride	0.05	100	0.05	0.0025 U	0.002 U	0.0033 U	0.0017 J	0.0033 J
N-Butylbenzene	12	100	12	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
N-Propylbenzene	3.9	100	3.9	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Styrene	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.00057 J	0.0015 J	0.00094 U	0.0017 U
Toluene	0.7	100	0.7	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.001 U	0.00059 J	0.00094 U	0.0017 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.001 U	0.0017 U	0.00094 U	0.0017 U
Xylenes, Total	0.26	100	1.6	0.0025 U	0.002 U	0.0033 U	0.0019 U	0.0034 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-06_4-6_20240506 460-303359-10 5/06/2024 1 mg/kg	RI-SB-06_6-8_20240506 460-303359-11 5/06/2024 1 mg/kg	RI-SB-07_0-2_20240506 460-303359-5 5/06/2024 1 mg/kg	RI-SB-07_4-6_20240506 460-303359-6 5/06/2024 1 mg/kg	RI-SB-07_6-8_20240506 460-303359-7 5/06/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,1,2-Trichloroethane	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,2-Dichloropropane	NS	NS	NS	0.0011 UJ	0.00088 UJ	0.00094 UJ	0.00081 UJ	0.00094 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
2-Hexanone	NS	NS	NS	0.0053 U	0.0044 U	0.0047 U	0.004 U	0.0047 U
Acetone	0.05	100	0.05	0.05	0.025	0.0057 U	0.0049 U	0.013
Benzene	0.06	4.8	0.06	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Bromoform	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Bromomethane	NS	NS	NS	0.0021 U	0.0018 U	0.0019 U	0.0016 U	0.0019 U
Carbon Disulfide	NS	NS	NS	0.00036 JL	0.00088 U	0.00094 U	0.00081 U	0.00067 J
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Chlorobenzene	1.1	100	1.1	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Chloroethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Chloroform	0.37	49	0.37	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Chloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Cyclohexane	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Ethylbenzene	1	41	1	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
M,P-Xylenes	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00097
Methyl Acetate	NS	NS	NS	0.0053 U	0.0044 U	0.0047 U	0.004 U	0.0047 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0099	0.0049	0.0047 U	0.004 U	0.0024 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0053 U	0.0044 U	0.0047 U	0.004 U	0.0047 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Methylene Chloride	0.05	100	0.05	0.0016 JL	0.0018 U	0.0019 U	0.0016 U	0.0011 J
N-Butylbenzene	12	100	12	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
N-Propylbenzene	3.9	100	3.9	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Sec-Butylbenzene	11	100	11	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Styrene	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
T-Butylbenzene	5.9	100	5.9	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Toluene	0.7	100	0.7	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0011 UJ	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.00088 U	0.00094 U	0.00081 U	0.00094 U
Xylenes, Total	0.26	100	1.6	0.0021 UJ	0.0018 U	0.0019 U	0.0016 U	0.00097 J

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

Compound	AKRF Sample ID			RI-SB-X2_20240510	RI-SB-08_1.5-3.5_20240510	RI-SB-09_0-2_20240507	RI-SB-09_4-6_20240507	RI-SB-09_6-8_20240507
	Laboratory Sample ID			460-303658-4	460-303658-3	460-303419-1	460-303419-2	460-303419-3
	Date Sampled			5/10/2024	5/10/2024	5/07/2024	5/07/2024	5/07/2024
	Dilution Factor			1	1	1	1	1
	Unit			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 UJ	0.0011 UJ	0.001 UJ
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
1,1,2-Trichloroethane	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.0003 J	0.00077 J	0.0015 U	0.0011 U	0.001 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.0011
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,2-Dichloropropane	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 UJ	0.0011 UJ	0.001 UJ
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,3-Dichlorobenzene	2.4	49	2.4	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
1,4-Dichlorobenzene	1.8	13	1.8	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
2-Hexanone	NS	NS	NS	0.0049 U	0.005 U	0.0075 U	0.0053 U	0.0051 U
Acetone	0.05	100	0.05	0.031	0.028	0.0089 U	0.0064 U	0.047
Benzene	0.06	4.8	0.06	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Bromochloromethane	NS	NS	NS	0.00097 U	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Bromodichloromethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Bromoform	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Bromomethane	NS	NS	NS	0.0019 U	0.002 U	0.003 U	0.0021 U	0.002 U
Carbon Disulfide	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.0035
Carbon Tetrachloride	0.76	2.4	0.76	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Chloroethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Chloroform	0.37	49	0.37	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Chloromethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0024 JL	0.0021 JL	0.0015 U	0.0011 U	0.001 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Cyclohexane	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Dibromochloromethane	NS	NS	NS	0.00097 UJ	0.001 U	0.0015 U	0.0011 U	0.001 U
Dichlorodifluoromethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Ethylbenzene	1	41	1	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.004
M,P-Xylenes	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Methyl Acetate	NS	NS	NS	0.0049 U	0.005 U	0.0075 U	0.0053 U	0.0051 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0026 J	0.004 J	0.0075 U	0.0053 U	0.0086
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0049 U	0.005 U	0.0075 U	0.0053 U	0.0051 U
Methylcyclohexane	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Methylene Chloride	0.05	100	0.05	0.0019 UJ	0.002 UJ	0.003 U	0.0021 U	0.002 U
N-Butylbenzene	12	100	12	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.022
N-Propylbenzene	3.9	100	3.9	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.005
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.00042 J
Sec-Butylbenzene	11	100	11	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.092
Styrene	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
T-Butylbenzene	5.9	100	5.9	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.0037
Tert-Butyl Methyl Ether	0.93	100	0.93	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0007 J	0.001 U	0.0015 U	0.0011 U	0.001 U
Toluene	0.7	100	0.7	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.00039 J
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.00097 UJ	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00039 JL	0.001 UJ	0.0015 U	0.0011 U	0.001 U
Trichlorofluoromethane	NS	NS	NS	0.00097 U	0.001 U	0.0015 U	0.0011 U	0.001 U
Vinyl Chloride	0.02	0.9	0.02	0.0017	0.0016	0.0015 U	0.0011 U	0.001 U
Xylenes, Total	0.26	100	1.6	0.0019 UJ	0.002 UJ	0.003 U	0.0021 U	0.00042 J

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-09_9-11_20240507 460-303419-4 5/07/2024 1 mg/kg	RI-SB-10_0-2_20240507 460-303419-11 5/07/2024 1 mg/kg	RI-SB-10_SURFACE_20240507 460-303419-13 5/07/2024 1 mg/kg	RI-SB-10_4-6_20240507 460-303419-12 5/07/2024 1 mg/kg	RI-SB-10_8-10_20240507 460-303419-14 5/07/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00094 UJ	0.00081 UJ	0.0011 U	0.00089 U	0.00094 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.00094 U	0.00081 U	0.0011 UJ	0.00089 UJ	0.00094 UJ
1,1,2-Trichloroethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.27	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.33	0.00094 U	0.00081 U	0.0011 UJ	0.00089 UJ	0.00094 UJ
1,2,3-Trichlorobenzene	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,2-Dichloropropane	NS	NS	NS	0.00094 UJ	0.00081 UJ	0.0011 U	0.00089 U	0.00094 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,3-Dichlorobenzene	2.4	49	2.4	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
1,4-Dichlorobenzene	1.8	13	1.8	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
2-Hexanone	NS	NS	NS	0.0047 U	0.0041 U	0.0054 U	0.0044 U	0.0047 U
Acetone	0.05	100	0.05	0.0056 U	0.0049 U	0.0064 U	0.0053 U	0.011
Benzene	0.06	4.8	0.06	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Bromochloromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Bromodichloromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Bromoform	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Bromomethane	NS	NS	NS	0.0019 U	0.0016 U	0.0021 U	0.0018 U	0.0019 U
Carbon Disulfide	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Carbon Tetrachloride	0.76	2.4	0.76	0.00094 U	0.00081 U	0.0011 UJ	0.00089 UJ	0.00094 UJ
Chlorobenzene	1.1	100	1.1	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Chloroethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Chloroform	0.37	49	0.37	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Chloromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00094 U	0.00081 U	0.0011 U	0.0006 J	0.001
Cis-1,3-Dichloropropene	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Cyclohexane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Dibromochloromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Dichlorodifluoromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Ethylbenzene	1	41	1	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
M,P-Xylenes	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Methyl Acetate	NS	NS	NS	0.0047 U	0.0041 U	0.0054 U	0.0044 U	0.0047 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0047 U	0.0041 U	0.0054 U	0.0044 U	0.0047 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0047 U	0.0041 U	0.0054 U	0.0044 U	0.0047 U
Methylcyclohexane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Methylene Chloride	0.05	100	0.05	0.0019 U	0.0012 J	0.0021 U	0.0018 U	0.0031
N-Butylbenzene	12	100	12	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
N-Propylbenzene	3.9	100	3.9	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Sec-Butylbenzene	11	100	11	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Styrene	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
T-Butylbenzene	5.9	100	5.9	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00094 U	0.00081 U	0.0011 U	0.0021	0.002
Toluene	0.7	100	0.7	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00094 U	0.00081 U	0.0011 U	0.0005 J	0.00094 U
Trichlorofluoromethane	NS	NS	NS	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Vinyl Chloride	0.02	0.9	0.02	0.00094 U	0.00081 U	0.0011 U	0.00089 U	0.00094 U
Xylenes, Total	0.26	100	1.6	0.0019 U	0.0016 U	0.0021 U	0.0018 U	0.0019 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-11_0-2_20240507 460-303419-6 5/07/2024 1 mg/kg	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 1 mg/kg	RI-SB-11_5-7_20240507 460-303419-7 5/07/2024 1 mg/kg	RI-SB-11_8-10_20240507 460-303419-8 5/07/2024 1 mg/kg	RI-SB-12_0.5-2.5_20240510 460-303658-5 5/10/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	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	0.00091 U	0.00082 U	0.001 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0012 UJ	0.0021 UJ	0.00091 UJ	0.00082 UJ	0.001 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,1,2-Trichloroethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 UJ
1,1-Dichloroethene	0.33	100	0.33	0.0012 U	0.0021 U	0.00091 U	0.00072 J	0.001 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,2-Dichloropropane	NS	NS	NS	0.0012 UJ	0.0021 UJ	0.00091 UJ	0.00082 UJ	0.001 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
2-Hexanone	NS	NS	NS	0.0061 U	0.01 U	0.0045 U	0.0041 U	0.0052 U
Acetone	0.05	100	0.05	0.0073 U	0.012 U	0.0055 U	0.02	0.014
Benzene	0.06	4.8	0.06	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Bromochloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Bromodichloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Bromoform	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Bromomethane	NS	NS	NS	0.0024 U	0.0041 U	0.0018 U	0.0016 U	0.0021 U
Carbon Disulfide	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.0013
Carbon Tetrachloride	0.76	2.4	0.76	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Chloroethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Chloroform	0.37	49	0.37	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 UJ
Chloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 UJ
Cis-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Cyclohexane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Dibromochloromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Dichlorodifluoromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Ethylbenzene	1	41	1	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
M,P-Xylenes	NS	NS	NS	0.0012 U	0.0021 U	0.00038 J	0.00082 U	0.001 U
Methyl Acetate	NS	NS	NS	0.0061 U	0.01 U	0.0045 U	0.0041 U	0.0052 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0061 U	0.01 U	0.0045 U	0.0041 U	0.0052 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0061 U	0.01 U	0.0045 U	0.0041 U	0.0052 U
Methylcyclohexane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Methylene Chloride	0.05	100	0.05	0.0024 U	0.0041 U	0.0049	0.0014 J	0.0021 U
N-Butylbenzene	12	100	12	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
N-Propylbenzene	3.9	100	3.9	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Sec-Butylbenzene	11	100	11	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Styrene	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
T-Butylbenzene	5.9	100	5.9	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Toluene	0.7	100	0.7	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 UJ
Trans-1,3-Dichloropropene	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Trichlorofluoromethane	NS	NS	NS	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Vinyl Chloride	0.02	0.9	0.02	0.0012 U	0.0021 U	0.00091 U	0.00082 U	0.001 U
Xylenes, Total	0.26	100	1.6	0.0024 U	0.0041 U	0.00038 J	0.0016 U	0.0021 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-13_1.5-3.5_20240513 460-303833-3 5/13/2024 1 mg/kg	RI-SB-14_0-2_20240506 460-303359-12 5/06/2024 1 mg/kg	RI-SB-14_4-6_20240506 460-303359-14 5/06/2024 1 mg/kg	RI-SB-14_6-8_20240506 460-303359-15 5/06/2024 50 mg/kg	RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 UT
1,1,2-Trichloroethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,1-Dichloroethane	0.27	26	0.27	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,1-Dichloroethene	0.33	100	0.33	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0011 U	0.00088 U	0.00092 U	0.031 J	0.001 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2-Dichlorobenzene	1.1	100	1.1	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,2-Dichloropropane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0011 U	0.00088 U	0.00092 U	0.038 J	0.001 U
1,3-Dichlorobenzene	2.4	49	2.4	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
1,4-Dichlorobenzene	1.8	13	1.8	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
2-Hexanone	NS	NS	NS	0.0055 U	0.0044 U	0.0046 U	0.49 U	0.0051 U
Acetone	0.05	100	0.05	0.0066 U	0.0053 U	0.011	0.49 U	0.0061 U
Benzene	0.06	4.8	0.06	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Bromochloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Bromodichloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Bromoform	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Bromomethane	NS	NS	NS	0.0022 U	0.0018 U	0.0018 U	0.097 U	0.002 U
Carbon Disulfide	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Chlorobenzene	1.1	100	1.1	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Chloroethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Chloroform	0.37	49	0.37	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Chloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0017	0.00088 U	0.00092 U	0.097 U	0.001 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Cyclohexane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Dibromochloromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Dichlorodifluoromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Ethylbenzene	1	41	1	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.032 J	0.001 U
M,P-Xylenes	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Methyl Acetate	NS	NS	NS	0.0055 U	0.0044 U	0.0046 U	0.33 J	0.0051 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0055 U	0.0044 U	0.0046 U	0.49 U	0.0051 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0055 U	0.0044 U	0.0046 U	0.49 U	0.0051 U
Methylcyclohexane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.38	0.001 U
Methylene Chloride	0.05	100	0.05	0.0022 U	0.0018 U	0.0018 U	0.097 U	0.002 U
N-Butylbenzene	12	100	12	0.0011 U	0.00088 U	0.00092 U	0.38	0.001 U
N-Propylbenzene	3.9	100	3.9	0.0011 U	0.00037 J	0.00092 U	0.18	0.001 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Sec-Butylbenzene	11	100	11	0.0011 U	0.00088 U	0.00092 U	0.16	0.001 U
Styrene	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
T-Butylbenzene	5.9	100	5.9	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Toluene	0.7	100	0.7	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00043 J	0.00088 U	0.00092 U	0.097 U	0.001 U
Trichlorofluoromethane	NS	NS	NS	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Vinyl Chloride	0.02	0.9	0.02	0.0011 U	0.00088 U	0.00092 U	0.097 U	0.001 U
Xylenes, Total	0.26	100	1.6	0.0022 U	0.0018 U	0.0018 U	0.19 U	0.002 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-01A_0-2_20240729 460-308477-6 7/29/2024 1 mg/kg	RI-SB-01A_6-8_20240729 460-308477-7 7/29/2024 1 mg/kg	RI-SB-01A_10-12_20240729 460-308477-8 7/29/2024 1 mg/kg	RI-SB-14A_0-2_20240729 460-308477-1 7/29/2024 1 mg/kg	RI-SB-14A_4-6_20240729 460-308477-2 7/29/2024 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.00084 UT	0.0011 UT	0.0011 UT	0.00092 UT	0.00085 U
1,1,2-Trichloroethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,1-Dichloroethane	0.27	26	0.27	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,1-Dichloroethene	0.33	100	0.33	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,2-Dichloropropane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,3-Dichlorobenzene	2.4	49	2.4	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
1,4-Dichlorobenzene	1.8	13	1.8	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
2-Hexanone	NS	NS	NS	0.0042 U	0.0057 U	0.0055 U	0.0046 U	0.0042 U
Acetone	0.05	100	0.05	0.005 U	0.021	0.013	0.011	0.0051 U
Benzene	0.06	4.8	0.06	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Bromochloromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Bromodichloromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Bromoform	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Bromomethane	NS	NS	NS	0.0017 U	0.0023 U	0.0022 U	0.0018 U	0.0017 U
Carbon Disulfide	NS	NS	NS	0.00084 U	0.00037 J	0.001 J	0.00092 U	0.00085 U
Carbon Tetrachloride	0.76	2.4	0.76	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Chlorobenzene	1.1	100	1.1	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Chloroethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Chloroform	0.37	49	0.37	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Chloromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00084 U	0.00049 J	0.0095	0.00092 U	0.00085 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Cyclohexane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Dibromochloromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Dichlorodifluoromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Ethylbenzene	1	41	1	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
M,P-Xylenes	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Methyl Acetate	NS	NS	NS	0.0042 U	0.0057 U	0.0055 U	0.0046 U	0.0042 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0042 U	0.0041 J	0.0037 J	0.0026 J	0.0042 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0042 U	0.0057 U	0.0055 U	0.0046 U	0.0042 U
Methylcyclohexane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Methylene Chloride	0.05	100	0.05	0.0017 U	0.0023 U	0.0022 U	0.0018 U	0.0017 U
N-Butylbenzene	12	100	12	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
N-Propylbenzene	3.9	100	3.9	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Sec-Butylbenzene	11	100	11	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Styrene	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
T-Butylbenzene	5.9	100	5.9	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Toluene	0.7	100	0.7	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00084 U	0.0011 U	0.00057 J	0.00092 U	0.00085 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Trichlorofluoromethane	NS	NS	NS	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Vinyl Chloride	0.02	0.9	0.02	0.00084 U	0.0011 U	0.0011 U	0.00092 U	0.00085 U
Xylenes, Total	0.26	100	1.6	0.0017 U	0.0023 U	0.0022 U	0.0018 U	0.0017 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-X_20240729 460-308477-4 7/29/2024 1 mg/kg	RI-SB-14A_6-8_20240729 460-308477-3 7/29/2024 1 mg/kg	RI-FB-01_20240506 460-303359-16 5/06/2024 1 µg/L	RI-FB-02_20240510 460-303658-2 5/10/2024 1 µg/L	RI-SB-FB-01_20240729 460-308477-10 7/29/2024 1 µg/L
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.00085 U	0.00095 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	0.00085 UT	0.00095 UT	1 U	1 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	0.00085 U	0.00095 U	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.00085 U	0.00095 U	1 UJ	1 UJ	1 U
1,2,4-Trichlorobenzene	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	0.00085 U	0.00095 U	1 U	1 U	1 U
1,2-Dichloropropane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.00085 U	0.00095 U	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	0.00085 U	0.00095 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	0.00085 U	0.00095 U	1 U	1 U	1 U
2-Hexanone	NS	NS	NS	0.0043 U	0.0048 U	5 U	5 U	5 U
Acetone	0.05	100	0.05	0.012	0.012	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	0.00085 U	0.00095 U	1 U	1 U	1 U
Bromochloromethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Bromodichloromethane	NS	NS	NS	0.00085 U	0.00095 U	4.3	1 U	1 U
Bromoform	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 UJ	1 U
Bromomethane	NS	NS	NS	0.0017 U	0.0019 U	1 U	1 U	1 U
Carbon Disulfide	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	0.00085 U	0.00095 U	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	0.00085 U	0.00095 U	1 U	1 U	1 U
Chloroethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Chloroform	0.37	49	0.37	0.00085 U	0.00095 U	54	1 U	1 U
Chloromethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.00085 U	0.00095 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Cyclohexane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Dibromochloromethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Ethylbenzene	1	41	1	0.00085 U	0.00095 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
M,P-Xylenes	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Methyl Acetate	NS	NS	NS	0.0043 U	0.0048 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0031 J	0.0033 J	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0043 U	0.0048 U	5 U	5 U	5 U
Methylcyclohexane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Methylene Chloride	0.05	100	0.05	0.0017 U	0.0019 U	1 U	1 U	1 U
N-Butylbenzene	12	100	12	0.00085 U	0.00095 U	1 U	1 U	1 U
N-Propylbenzene	3.9	100	3.9	0.00085 U	0.00095 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	0.00085 U	0.00095 U	1 U	1 U	1 U
Styrene	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	0.00085 U	0.00095 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.00085 U	0.00095 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.00085 U	0.00095 U	1 U	1 U	1 U
Toluene	0.7	100	0.7	0.00085 U	0.00095 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.00085 U	0.00095 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	0.00085 U	0.00095 U	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	NS	0.00085 U	0.00095 U	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	0.00085 U	0.00095 U	1 U	1 U	1 U
Xylenes, Total	0.26	100	1.6	0.0017 U	0.0019 U	2 U	2 U	2 U

Table 2A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				RI-SB-TB-01_20240729 460-308477-9 7/29/2024 1 µg/L	RI-TB-01_20240506 460-303359-13 5/06/2024 1 µg/L	RI-TB-02_20240510 460-303658-1 5/10/2024 1 µg/L
Compound	NYSDEC UUSCO	NYSDEC RRSO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	NS	1 U	1 U	1 U
1,1,2-Trichloroethane	NS	NS	NS	1 U	1 U	1 U
1,1-Dichloroethane	0.27	26	0.27	1 U	1 U	1 U
1,1-Dichloroethene	0.33	100	0.33	1 U	1 U	1 U
1,2,3-Trichlorobenzene	NS	NS	NS	1 U	1 U	1 UJ
1,2,4-Trichlorobenzene	NS	NS	NS	1 U	1 U	1 U
1,2,4-Trimethylbenzene	3.6	52	3.6	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	1 U	1 U	1 U
1,2-Dichlorobenzene	1.1	100	1.1	1 U	1 U	1 U
1,2-Dichloroethane	0.02	3.1	0.02	1 U	1 U	1 U
1,2-Dichloropropane	NS	NS	NS	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	1 U	1 U	1 U
1,3-Dichlorobenzene	2.4	49	2.4	1 U	1 U	1 U
1,4-Dichlorobenzene	1.8	13	1.8	1 U	1 U	1 U
2-Hexanone	NS	NS	NS	5 U	5 U	5 U
Acetone	0.05	100	0.05	5 U	5 U	5 U
Benzene	0.06	4.8	0.06	1 U	1 U	1 U
Bromochloromethane	NS	NS	NS	1 U	1 U	1 U
Bromodichloromethane	NS	NS	NS	1 U	1 U	1 U
Bromoform	NS	NS	NS	1 U	1 U	1 UJ
Bromomethane	NS	NS	NS	1 U	1 U	1 U
Carbon Disulfide	NS	NS	NS	1 U	1 U	1 U
Carbon Tetrachloride	0.76	2.4	0.76	1 U	1 U	1 U
Chlorobenzene	1.1	100	1.1	1 U	1 U	1 U
Chloroethane	NS	NS	NS	1 U	1 U	1 U
Chloroform	0.37	49	0.37	1 U	1 U	1 U
Chloromethane	NS	NS	NS	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U
Cyclohexane	NS	NS	NS	1 U	1 U	1 U
Dibromochloromethane	NS	NS	NS	1 U	1 U	1 U
Dichlorodifluoromethane	NS	NS	NS	1 U	1 U	1 U
Ethylbenzene	1	41	1	1 U	1 U	1 U
Isopropylbenzene (Cumene)	NS	NS	NS	1 U	1 U	1 U
M,P-Xylenes	NS	NS	NS	1 U	1 U	1 U
Methyl Acetate	NS	NS	NS	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	5 U	5 U	5 U
Methylcyclohexane	NS	NS	NS	1 U	1 U	1 U
Methylene Chloride	0.05	100	0.05	1 U	1 U	1 U
N-Butylbenzene	12	100	12	1 U	1 U	1 U
N-Propylbenzene	3.9	100	3.9	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	1 U	1 U	1 U
Sec-Butylbenzene	11	100	11	1 U	1 U	1 U
Styrene	NS	NS	NS	1 U	1 U	1 U
T-Butylbenzene	5.9	100	5.9	1 U	1 U	1 U
Tert-Butyl Methyl Ether	0.93	100	0.93	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1.3	19	1.3	1 U	1 U	1 U
Toluene	0.7	100	0.7	1 U	1 U	1 U
Trans-1,2-Dichloroethene	0.19	100	0.19	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	NS	NS	1 U	1 U	1 U
Trichloroethylene (TCE)	0.47	21	0.47	1 U	1 U	1 U
Trichlorofluoromethane	NS	NS	NS	1 U	1 U	1 U
Vinyl Chloride	0.02	0.9	0.02	1 U	1 U	1 U
Xylenes, Total	0.26	100	1.6	2 U	2 U	2 U

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01_0-2_20240508 460-303510-2 5/08/2024 mg/kg 1	RI-SB-01_SURFACE_20240508 460-303510-1 5/08/2024 mg/kg 1	RI-SB-01_2-4_20240508 460-303510-5 5/08/2024 mg/kg 1	RI-SB-01_6-8_20240508 460-303510-3 5/08/2024 mg/kg 1	RI-SB-01_10-12_20240508 460-303510-4 5/08/2024 mg/kg 1	RI-SB-02_1-3_20240513 460-303833-2 5/13/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSKO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2,4-Dinitrophenol	NS	NS	0.3 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U
2,4-Dinitrotoluene	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U
2,6-Dinitrotoluene	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U
2-Chloronaphthalene	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2-Chlorophenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2-Methylnaphthalene	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
2-Nitroaniline	NS	NS	0.37 UJ	0.38 UJ	0.37 U	0.38 U	0.37 U	0.38 U
2-Nitrophenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
3- And 4- Methylphenol (Total)	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
3-Nitroaniline	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.3 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Chloroaniline	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Methylphenol (P-Cresol)	0.33	100	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Nitroaniline	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
4-Nitrophenol	NS	NS	0.76 U	0.77 U	0.75 U	0.77 U	0.75 U	0.77 U
Acenaphthene	20	100	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Acenaphthylene	100	100	0.082 J	0.38 U	0.08 J	0.38 U	0.37 U	0.025 J
Acetophenone	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Anthracene	100	100	0.064 J	0.38 U	0.017 J	0.38 U	0.37 U	0.014 J
Atrazine	NS	NS	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Benzaldehyde	NS	NS	0.37 UJ	0.38 UJ	0.37 UJ	0.38 UJ	0.37 UJ	0.38 UJ
Benzo(a)Anthracene	1	1	0.34	0.044	0.085	0.038 U	0.037 U	0.12
Benzo(a)Pyrene	1	1	0.37	0.05	0.26	0.038 U	0.037 U	0.24
Benzo(b)Fluoranthene	1	1	0.52	0.069	0.23	0.038 U	0.037 U	0.27
Benzo(g,h,i)Perylene	100	100	0.19 J	0.028 J	0.23 J	0.38 U	0.37 U	0.24 J
Benzo(k)Fluoranthene	0.8	3.9	0.18	0.026 J	0.12	0.038 U	0.037 U	0.11
Benzyl Butyl Phthalate	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Biphenyl (Diphenyl)	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.37 U	0.03 J	0.37 U	0.38 U	0.37 U	0.38 U
Caprolactam	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Carbazole	NS	NS	0.026 J	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Chrysene	1	3.9	0.37	0.047 J	0.13 J	0.38 U	0.37 U	0.18 J
Dibenz(a,h)Anthracene	0.33	0.33	0.053	0.038 U	0.033 J	0.038 U	0.037 U	0.044
Dibenzofuran	7	59	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Diethyl Phthalate	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Dimethyl Phthalate	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Di-N-Butyl Phthalate	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Di-N-Octylphthalate	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Fluoranthene	100	100	0.53	0.075 J	0.039 J	0.38 U	0.37 U	0.13 J
Fluorene	30	100	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Hexachlorobenzene	0.33	1.2	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
Hexachlorobutadiene	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U	0.077 U
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.38 UJ	0.37 U	0.38 U	0.37 U	0.38 U
Hexachloroethane	NS	NS	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.23	0.028 J	0.21	0.038 U	0.037 U	0.22
Isophorone	NS	NS	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U	0.15 U
Naphthalene	12	100	0.02 J	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Nitrobenzene	NS	NS	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.038 U	0.037 U	0.038 U	0.037 U	0.038 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Pentachlorophenol	0.8	6.7	0.3 U	0.31 U	0.3 U	0.3 U	0.3 U	0.3 U
Phenanthrene	100	100	0.14 J	0.041 J	0.37 U	0.38 U	0.37 U	0.04 J
Phenol	0.33	100	0.37 U	0.38 U	0.37 U	0.38 U	0.37 U	0.38 U
Pyrene	100	100	0.44	0.065 J	0.1 J	0.38 U	0.37 U	0.17 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-03_1-3_20240513 460-303833-1 5/13/2024 mg/kg 1	RI-SB-04_0-2_20240507 460-303419-9 5/07/2024 mg/kg 1	RI-SB-04_4-6_20240507 460-303419-10 5/07/2024 mg/kg 1	RI-SB-05_0-2_20240506 460-303359-1 5/06/2024 mg/kg 1	RI-SB-05_SURFACE_20240506 460-303359-2 5/06/2024 mg/kg 1	RI-SB-05_2-4_20240506 460-303359-4 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.44 U	0.44 U	0.33 U	0.34 U	0.33 U	0.37 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2,4,5-Trichlorophenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2,4,6-Trichlorophenol	NS	NS	0.18 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2,4-Dinitrophenol	NS	NS	0.35 U	0.27 U	0.27 U	0.28 U	0.28 U	0.3 U
2,4-Dinitrotoluene	NS	NS	0.089 U	0.067 U	0.068 U	0.07 U	0.071 U	0.075 U
2,6-Dinitrotoluene	NS	NS	0.089 U	0.067 U	0.068 U	0.07 U	0.071 U	0.075 U
2-Chloronaphthalene	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.027 J
2-Chlorophenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2-Methylnaphthalene	NS	NS	0.44 U	0.33 U	0.33 U	0.013 J	0.026 J	0.012 J
2-Methylphenol (O-Cresol)	0.33	100	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2-Nitroaniline	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
2-Nitrophenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
3- And 4- Methylphenol (Total)	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
3,3'-Dichlorobenzidine	NS	NS	0.18 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U
3-Nitroaniline	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.35 U	0.27 U	0.27 U	0.28 U	0.28 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Chloro-3-Methylphenol	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Chloroaniline	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Methylphenol (P-Cresol)	0.33	100	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Nitroaniline	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
4-Nitrophenol	NS	NS	0.89 U	0.67 U	0.68 U	0.7 U	0.71 U	0.75 U
Acenaphthene	20	100	0.44 U	0.33 U	0.33 U	0.026 J	0.01 J	0.37 U
Acenaphthylene	100	100	0.44 U	0.33 U	0.33 U	0.058 J	0.048 J	0.094 J
Acetophenone	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Anthracene	100	100	0.44 U	0.33 U	0.33 U	0.089 J	0.07 J	0.029 J
Atrazine	NS	NS	0.18 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U
Benzaldehyde	NS	NS	0.44 UJ	0.33 UJ	0.33 UJ	0.34 UJ	0.35 UJ	0.37 UJ
Benzo(a)Anthracene	1	1	0.044 U	0.033 U	0.033 U	0.38	0.19	0.21
Benzo(a)Pyrene	1	1	0.027 J	0.033 U	0.033 U	0.45	0.19	0.39
Benzo(b)Fluoranthene	1	1	0.031 J	0.033 U	0.033 U	0.55	0.21	0.38
Benzo(g,h,i)Perylene	100	100	0.023 J	0.33 U	0.33 U	0.28 J	0.1 J	0.33 J
Benzo(k)Fluoranthene	0.8	3.9	0.01 J	0.033 U	0.033 U	0.26	0.081	0.16
Benzyl Butyl Phthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Biphenyl (Diphenyl)	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.018 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.073 J	0.37 U
Caprolactam	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Carbazole	NS	NS	0.44 U	0.33 U	0.33 U	0.043 J	0.022 J	0.015 J
Chrysene	1	3.9	0.44 U	0.33 U	0.33 U	0.45	0.21 J	0.25 J
Dibenz(a,h)Anthracene	0.33	0.33	0.044 U	0.033 U	0.033 U	0.065	0.016 J	0.052
Dibenzofuran	7	59	0.44 U	0.33 U	0.33 U	0.012 J	0.35 U	0.37 U
Diethyl Phthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Dimethyl Phthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.035 J	0.35 U	0.37 U
Di-N-Octylphthalate	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Fluoranthene	100	100	0.027 J	0.33 U	0.33 U	0.68	0.36	0.18 J
Fluorene	30	100	0.44 U	0.33 U	0.33 U	0.027 J	0.023 J	0.37 U
Hexachlorobenzene	0.33	1.2	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
Hexachlorobutadiene	NS	NS	0.089 U	0.067 U	0.068 U	0.07 U	0.071 U	0.075 U
Hexachlorocyclopentadiene	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Hexachloroethane	NS	NS	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.019 J	0.033 U	0.033 U	0.34	0.13	0.32
Isophorone	NS	NS	0.18 U	0.13 U	0.13 U	0.14 U	0.14 U	0.15 U
Naphthalene	12	100	0.44 U	0.33 U	0.33 U	0.022 J	0.056 J	0.17 J
Nitrobenzene	NS	NS	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	0.044 U	0.033 U	0.033 U	0.034 U	0.035 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Pentachlorophenol	0.8	6.7	0.35 U	0.27 U	0.27 U	0.28 U	0.28 U	0.3 U
Phenanthrene	100	100	0.44 U	0.33 U	0.33 U	0.32 J	0.31 J	0.078 J
Phenol	0.33	100	0.44 U	0.33 U	0.33 U	0.34 U	0.35 U	0.37 U
Pyrene	100	100	0.026 J	0.33 U	0.33 U	0.62	0.4	0.28 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY

Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-05_4-6_20240506 460-303359-3 5/06/2024 mg/kg 1	RI-SB-06_0-2_20240506 460-303359-9 5/06/2024 mg/kg 1	RI-SB-X1_6-8_20240506 460-303359-8 5/06/2024 mg/kg 1	RI-SB-06_4-6_20240506 460-303359-10 5/06/2024 mg/kg 1	RI-SB-06_6-8_20240506 460-303359-11 5/06/2024 mg/kg 1	RI-SB-07_0-2_20240506 460-303359-5 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	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	0.35 U	0.35 U	0.36 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.3 U	0.28 U	0.28 U	0.28 U	0.29 U	0.27 U
2,4-Dinitrotoluene	NS	NS	0.075 U	0.07 U	0.072 U	0.071 U	0.072 U	0.068 U
2,6-Dinitrotoluene	NS	NS	0.075 U	0.07 U	0.072 U	0.071 U	0.072 U	0.068 U
2-Chloronaphthalene	NS	NS	0.37 U	0.11 J	0.35 U	0.35 U	0.36 U	0.34 U
2-Chlorophenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2-Methylnaphthalene	NS	NS	0.37 U	0.25 J	0.35 U	0.35 U	0.067 J	0.34 U
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2-Nitroaniline	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
2-Nitrophenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
3- And 4- Methylphenol (Total)	NS	NS	0.37 U	0.087 J	0.35 U	0.35 U	0.36 U	0.34 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.3 U	0.28 U	0.28 U	0.28 U	0.29 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4-Chloroaniline	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.37 U	0.087 J	0.35 U	0.35 U	0.36 U	0.34 U
4-Nitroaniline	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
4-Nitrophenol	NS	NS	0.75 U	0.7 U	0.72 U	0.71 U	0.72 U	0.68 U
Acenaphthene	20	100	0.37 U	0.028 J	0.35 U	0.35 U	0.36 U	0.34 U
Acenaphthylene	100	100	0.37 U	0.52	0.017 J	0.018 J	0.031 J	0.03 J
Acetophenone	NS	NS	0.37 U	0.075 J	0.35 U	0.35 U	0.36 U	0.34 U
Anthracene	100	100	0.37 U	0.18 J	0.019 J	0.014 J	0.029 J	0.016 J
Atrazine	NS	NS	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Benzo(a)Anthracene	1	1	0.066	0.42	0.1	0.035 U	0.067	0.085
Benzo(a)Pyrene	1	1	0.088	0.53	0.092	0.026 J	0.063	0.11
Benzo(b)Fluoranthene	1	1	0.072	0.76	0.1	0.031 J	0.069	0.14
Benzo(g,h,i)Perylene	100	100	0.051 J	0.49	0.039 J	0.019 J	0.076 J	0.082 J
Benzo(k)Fluoranthene	0.8	3.9	0.033 J	0.27	0.045	0.012 J	0.026 J	0.061
Benzyl Butyl Phthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.37 U	0.21 J	0.35 U	0.35 U	0.36 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Caprolactam	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Carbazole	NS	NS	0.37 U	0.043 J	0.35 U	0.35 U	0.36 U	0.015 J
Chrysene	1	3.9	0.06 J	0.62	0.1 J	0.019 J	0.067 J	0.1 J
Dibenz(a,h)Anthracene	0.33	0.33	0.037 U	0.07	0.035 U	0.035 U	0.036 U	0.021 J
Dibenzofuran	7	59	0.37 U	0.034 J	0.35 U	0.35 U	0.36 U	0.34 U
Diethyl Phthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Dimethyl Phthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Fluoranthene	100	100	0.048 J	0.87	0.16 J	0.02 J	0.12 J	0.12 J
Fluorene	30	100	0.37 U	0.075 J	0.35 U	0.35 U	0.014 J	0.34 U
Hexachlorobenzene	0.33	1.2	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
Hexachlorobutadiene	NS	NS	0.075 U	0.07 U	0.072 U	0.071 U	0.072 U	0.068 U
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Hexachloroethane	NS	NS	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.075	0.48	0.069	0.046	0.083	0.11
Isophorone	NS	NS	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	12	100	0.37 U	2.5	0.35 U	0.35 U	0.06 J	0.34 U
Nitrobenzene	NS	NS	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.034 U	0.035 U	0.035 U	0.036 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Pentachlorophenol	0.8	6.7	0.3 U	0.28 U	0.28 U	0.28 U	0.29 U	0.27 U
Phenanthrene	100	100	0.37 U	0.8	0.074 J	0.35 U	0.11 J	0.05 J
Phenol	0.33	100	0.37 U	0.34 U	0.35 U	0.35 U	0.36 U	0.34 U
Pyrene	100	100	0.086 J	0.97	0.14 J	0.027 J	0.13 J	0.12 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY

Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-07_4-6_20240506 460-303359-6 5/06/2024 mg/kg 1	RI-SB-07_6-8_20240506 460-303359-7 5/06/2024 mg/kg 1	RI-SB-X2_20240510 460-303658-4 5/10/2024 mg/kg 1	RI-SB-08_1.5-3.5_20240510 460-303658-3 5/10/2024 mg/kg 1	RI-SB-09_0-2_20240507 460-303419-1 5/07/2024 mg/kg 10	RI-SB-09_4-6_20240507 460-303419-2 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
2,4,5-Trichlorophenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
2,4,6-Trichlorophenol	NS	NS	0.14 U	0.15 U	0.15 U	0.14 U	1.3 U	0.13 U
2,4-Dichlorophenol	NS	NS	0.14 U	0.15 U	0.15 U	0.14 U	1.3 U	0.13 U
2,4-Dimethylphenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 UJ	3.3 U	0.33 U
2,4-Dinitrophenol	NS	NS	0.28 U	0.3 U	0.3 U	0.28 U	2.7 U	0.27 U
2,4-Dinitrotoluene	NS	NS	0.07 U	0.075 U	0.074 U	0.071 U	0.67 U	0.067 U
2,6-Dinitrotoluene	NS	NS	0.07 U	0.075 U	0.074 U	0.071 U	0.67 U	0.067 U
2-Chloronaphthalene	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
2-Chlorophenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
2-Methylnaphthalene	NS	NS	0.34 U	0.37 U	0.011 J	0.01 J	3.3 U	0.33 U
2-Methylphenol (O-Cresol)	0.33	100	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
2-Nitroaniline	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 UJ	0.33 UJ
2-Nitrophenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
3- And 4- Methylphenol (Total)	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
3,3'-Dichlorobenzidine	NS	NS	0.14 U	0.15 U	0.15 U	0.14 U	1.3 U	0.13 U
3-Nitroaniline	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.28 U	0.3 U	0.3 U	0.28 U	2.7 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Chloro-3-Methylphenol	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Chloroaniline	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Methylphenol (P-Cresol)	0.33	100	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Nitroaniline	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
4-Nitrophenol	NS	NS	0.7 U	0.75 U	0.74 U	0.71 U	6.7 U	0.67 U
Acenaphthene	20	100	0.34 U	0.37 U	0.37 U	0.35 U	1 J	0.33 U
Acenaphthylene	100	100	0.34 U	0.37 U	0.37 U	0.35 U	0.13 J	0.019 J
Acetophenone	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Anthracene	100	100	0.34 U	0.37 U	0.37 U	0.35 U	6.9	0.034 J
Atrazine	NS	NS	0.14 U	0.15 U	0.15 U	0.14 U	1.3 U	0.13 U
Benzaldehyde	NS	NS	0.34 UJ	0.37 UJ	0.37 UJ	0.35 UJ	3.3 UJ	0.33 UJ
Benzo(a)Anthracene	1	1	0.034 U	0.037 U	0.037	0.032 J	29	0.3
Benzo(a)Pyrene	1	1	0.0091 J	0.037 U	0.047	0.036	28	0.35
Benzo(b)Fluoranthene	1	1	0.01 J	0.037 U	0.059	0.043	39	0.55
Benzo(g,h,i)Perylene	100	100	0.34 U	0.013 J	0.048 J	0.041 J	14	0.22 J
Benzo(k)Fluoranthene	0.8	3.9	0.034 U	0.037 U	0.019 J	0.015 J	14	0.19
Benzyl Butyl Phthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Biphenyl (Diphenyl)	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.028 J
Caprolactam	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Carbazole	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	2.2 J	0.017 J
Chrysene	1	3.9	0.34 U	0.37 U	0.036 J	0.03 J	30	0.32 J
Dibenz(a,h)Anthracene	0.33	0.33	0.034 U	0.037 U	0.037 U	0.035 U	3.9	0.053
Dibenzofuran	7	59	0.34 U	0.37 U	0.37 U	0.35 U	0.76 J	0.33 U
Diethyl Phthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Dimethyl Phthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Di-N-Butyl Phthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Di-N-Octylphthalate	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Fluoranthene	100	100	0.34 U	0.37 U	0.046 J	0.041 J	44	0.41
Fluorene	30	100	0.34 U	0.37 U	0.37 U	0.35 U	1.8 J	0.33 U
Hexachlorobenzene	0.33	1.2	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
Hexachlorobutadiene	NS	NS	0.07 U	0.075 U	0.074 U	0.071 U	0.67 U	0.067 U
Hexachlorocyclopentadiene	NS	NS	0.34 U	0.37 U	0.37 U	0.35 UJ	3.3 U	0.33 U
Hexachloroethane	NS	NS	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.034 U	0.037 U	0.04	0.032 J	17	0.23
Isophorone	NS	NS	0.14 U	0.15 U	0.15 U	0.14 U	1.3 U	0.13 U
Naphthalene	12	100	0.34 U	0.37 U	0.011 J	0.011 J	0.064 J	0.01 J
Nitrobenzene	NS	NS	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
N-Nitrosodi-N-Propylamine	NS	NS	0.034 U	0.037 U	0.037 U	0.035 U	0.33 U	0.033 U
N-Nitrosodiphenylamine	NS	NS	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Pentachlorophenol	0.8	6.7	0.28 U	0.3 U	0.3 U	0.28 U	2.7 U	0.27 U
Phenanthrene	100	100	0.34 U	0.37 U	0.023 J	0.022 J	22	0.11 J
Phenol	0.33	100	0.34 U	0.37 U	0.37 U	0.35 U	3.3 U	0.33 U
Pyrene	100	100	0.011 J	0.37 U	0.059 J	0.051 J	39	0.37

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-09_6-8_20240507 460-303419-3 5/07/2024 mg/kg 1	RI-SB-09_9-11_20240507 460-303419-4 5/07/2024 mg/kg 1	RI-SB-10_0-2_20240507 460-303419-11 5/07/2024 mg/kg 1	RI-SB-10_SURFACE_20240507 460-303419-13 5/07/2024 mg/kg 1	RI-SB-10_4-6_20240507 460-303419-12 5/07/2024 mg/kg 1	RI-SB-10_8-10_20240507 460-303419-14 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2,4,6-Trichlorophenol	NS	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U
2,4-Dichlorophenol	NS	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U
2,4-Dimethylphenol	NS	NS	0.33 U	0.33 U	0.33 UJ	0.33 UJ	0.33 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
2,4-Dinitrotoluene	NS	NS	0.46	0.067 U	0.067 U	0.067 U	0.067 U	0.068 U
2,6-Dinitrotoluene	NS	NS	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.068 U
2-Chloronaphthalene	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2-Chlorophenol	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2-Methylnaphthalene	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2-Methylphenol (O-Cresol)	0.33	100	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2-Nitroaniline	NS	NS	0.33 UJ	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
2-Nitrophenol	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
3- And 4- Methylphenol (Total)	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
3,3'-Dichlorobenzidine	NS	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U
3-Nitroaniline	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	0.33 U	0.33 U	0.33 U	0.33 UJ	0.33 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4-Chloroaniline	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4-Nitroaniline	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
4-Nitrophenol	NS	NS	0.67 U	0.67 U	0.67 U	0.67 U	0.67 U	0.68 U
Acenaphthene	20	100	0.41	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Acenaphthylene	100	100	0.11 J	0.33 U	0.01 J	0.012 J	0.33 U	0.34 U
Acetophenone	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Anthracene	100	100	0.25 J	0.33 U	0.018 J	0.018 J	0.33 U	0.34 U
Atrazine	NS	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U
Benzaldehyde	NS	NS	0.33 UJ	0.33 UJ	0.33 UJ	0.33 U	0.33 UJ	0.34 UJ
Benzo(a)Anthracene	1	1	0.3	0.033 U	0.12	0.11	0.027 J	0.034 U
Benzo(a)Pyrene	1	1	0.19	0.033 U	0.13	0.12	0.02 J	0.034 U
Benzo(b)Fluoranthene	1	1	0.074	0.033 U	0.18	0.17	0.021 J	0.034 U
Benzo(g,h,i)Perylene	100	100	0.031 J	0.33 U	0.078 J	0.071 J	0.012 J	0.34 U
Benzo(k)Fluoranthene	0.8	3.9	0.016 J	0.033 U	0.068	0.062	0.014 J	0.034 U
Benzyl Butyl Phthalate	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.33 U	0.33 U	0.13 J	0.056 J	0.33 U	0.34 U
Caprolactam	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Carbazole	NS	NS	0.33 U	0.33 U	0.33 U	0.015 J	0.33 U	0.34 U
Chrysene	1	3.9	0.58	0.33 U	0.12 J	0.12 J	0.024 J	0.34 U
Dibenz(a,h)Anthracene	0.33	0.33	0.031 J	0.033 U	0.017 J	0.015 J	0.033 U	0.034 U
Dibenzofuran	7	59	0.21 J	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Diethyl Phthalate	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Dimethyl Phthalate	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Fluoranthene	100	100	0.13 J	0.33 U	0.21 J	0.23 J	0.051 J	0.34 U
Fluorene	30	100	0.57	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Hexachlorobenzene	0.33	1.2	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
Hexachlorobutadiene	NS	NS	0.067 U	0.067 U	0.067 U	0.067 U	0.067 U	0.068 U
Hexachlorocyclopentadiene	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Hexachloroethane	NS	NS	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.013 J	0.033 U	0.083	0.077	0.032 J	0.034 U
Isophorone	NS	NS	0.13 U	0.13 U	0.13 U	0.13 U	0.13 U	0.14 U
Naphthalene	12	100	0.33 U	0.33 U	0.33 U	0.0095 J	0.33 U	0.34 U
Nitrobenzene	NS	NS	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.033 U	0.033 U	0.033 U	0.033 U	0.033 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Pentachlorophenol	0.8	6.7	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
Phenanthrene	100	100	1.6	0.33 U	0.075 J	0.11 J	0.041 J	0.34 U
Phenol	0.33	100	0.33 U	0.33 U	0.33 U	0.33 U	0.33 U	0.34 U
Pyrene	100	100	0.51	0.33 U	0.2 J	0.22 J	0.049 J	0.34 U

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-11_0-2_20240507 460-303419-6 5/07/2024 mg/kg 1	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 mg/kg 1	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 mg/kg 2	RI-SB-11_5-7_20240507 460-303419-7 5/07/2024 mg/kg 1	RI-SB-11_8-10_20240507 460-303419-8 5/07/2024 mg/kg 1	RI-SB-12_0.5-2.5_20240510 460-303658-5 5/10/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2,4,5-Trichlorophenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2,4,6-Trichlorophenol	NS	NS	0.13 U	0.13 U	NR	0.13 U	0.13 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.13 U	0.13 U	NR	0.13 U	0.13 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2,4-Dinitrophenol	NS	NS	0.27 U	0.27 U	NR	0.27 U	0.27 U	0.29 U
2,4-Dinitrotoluene	NS	NS	0.067 U	0.067 U	NR	0.067 U	0.067 U	0.074 U
2,6-Dinitrotoluene	NS	NS	0.067 U	0.067 U	NR	0.067 U	0.067 U	0.074 U
2-Chloronaphthalene	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2-Chlorophenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2-Methylnaphthalene	NS	NS	0.33 U	0.05 J	NR	0.031 J	0.33 U	0.019 J
2-Methylphenol (O-Cresol)	0.33	100	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
2-Nitroaniline	NS	NS	0.33 UJ	0.33 UJ	NR	0.33 UJ	0.33 U	0.36 U
2-Nitrophenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
3- And 4- Methylphenol (Total)	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
3,3'-Dichlorobenzidine	NS	NS	0.13 U	0.13 U	NR	0.13 U	0.13 U	0.15 U
3-Nitroaniline	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.27 U	0.27 U	NR	0.27 U	0.27 U	0.29 U
4-Bromophenyl Phenyl Ether	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Chloro-3-Methylphenol	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Chloroaniline	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Methylphenol (P-Cresol)	0.33	100	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Nitroaniline	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
4-Nitrophenol	NS	NS	0.67 U	0.67 U	NR	0.67 U	0.67 U	0.74 U
Acenaphthene	20	100	0.015 J	0.37	NR	0.067 J	0.33 U	0.015 J
Acenaphthylene	100	100	0.038 J	0.15 J	NR	0.12 J	0.33 U	0.036 J
Acetophenone	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Anthracene	100	100	0.053 J	1.1	NR	0.26 J	0.33 U	0.031 J
Atrazine	NS	NS	0.13 U	0.13 U	NR	0.13 U	0.13 U	0.15 U
Benzaldehyde	NS	NS	0.33 UJ	0.33 UJ	NR	0.33 UJ	0.33 U	0.36 UJ
Benzo(a)Anthracene	1	1	0.21	5.1	NR	1.2	0.033 U	0.12
Benzo(a)Pyrene	1	1	0.24	5	NR	1.3	0.033 U	0.21
Benzo(b)Fluoranthene	1	1	0.31	6.6	NR	1.6	0.033 U	0.25
Benzo(g,h,i)Perylene	100	100	0.12 J	2.4	NR	0.55	0.33 U	0.21 J
Benzo(k)Fluoranthene	0.8	3.9	0.11	2.3	NR	0.51	0.033 U	0.083
Benzyl Butyl Phthalate	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Biphenyl (Diphenyl)	NS	NS	0.33 U	0.018 J	NR	0.33 U	0.33 U	0.36 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.33 U	0.097 J	NR	0.33 U	0.33 U	0.36 U
Caprolactam	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Carbazole	NS	NS	0.028 J	0.63	NR	0.12 J	0.33 U	0.015 J
Chrysene	1	3.9	0.24 J	5.3	NR	1.3	0.33 U	0.17 J
Dibenz(a,h)Anthracene	0.33	0.33	0.034	0.65	NR	0.14	0.033 U	0.036
Dibenzofuran	7	59	0.33 U	0.17 J	NR	0.042 J	0.33 U	0.012 J
Diethyl Phthalate	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Dimethyl Phthalate	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Di-N-Butyl Phthalate	NS	NS	0.33 U	0.026 J	NR	0.33 U	0.33 U	0.36 U
Di-N-Octylphthalate	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Fluoranthene	100	100	0.43	NR	8.1 D	2.2	0.33 U	0.17 J
Fluorene	30	100	0.019 J	0.4	NR	0.08 J	0.33 U	0.022 J
Hexachlorobenzene	0.33	1.2	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
Hexachlorobutadiene	NS	NS	0.067 U	0.067 U	NR	0.067 U	0.067 U	0.074 U
Hexachlorocyclopentadiene	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Hexachloroethane	NS	NS	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.14	2.8	NR	0.65	0.033 U	0.17
Isophorone	NS	NS	0.13 U	0.13 U	NR	0.13 U	0.13 U	0.15 U
Naphthalene	12	100	0.019 J	0.11 J	NR	0.06 J	0.33 U	0.039 J
Nitrobenzene	NS	NS	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
N-Nitrosodi-N-Propylamine	NS	NS	0.033 U	0.033 U	NR	0.033 U	0.033 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Pentachlorophenol	0.8	6.7	0.27 U	0.27 U	NR	0.27 U	0.27 U	0.29 U
Phenanthrene	100	100	0.24 J	4.4	NR	1.1	0.33 U	0.11 J
Phenol	0.33	100	0.33 U	0.33 U	NR	0.33 U	0.33 U	0.36 U
Pyrene	100	100	0.38	7.9	NR	2.1	0.33 U	0.2 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-13_1.5-3.5_20240513 460-303833-3 5/13/2024 mg/kg 1	RI-SB-14_0-2_20240506 460-303359-12 5/06/2024 mg/kg 1	RI-SB-14_4-6_20240506 460-303359-14 5/06/2024 mg/kg 1	RI-SB-14_6-8_20240506 460-303359-15 5/06/2024 mg/kg 1	RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 mg/kg 1	RI-SB-01A_0-2_20240729 460-308477-6 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
2,4-Dimethylphenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.32 U	0.27 U	0.27 U	0.28 U	0.27 U	0.28 U
2,4-Dinitrotoluene	NS	NS	0.081 U	0.069 U	0.068 U	0.072 U	0.068 U	0.069 U
2,6-Dinitrotoluene	NS	NS	0.081 U	0.069 U	0.068 U	0.072 U	0.068 UT	0.069 UT
2-Chloronaphthalene	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2-Chlorophenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2-Methylnaphthalene	NS	NS	0.4 U	0.34 U	0.33 U	0.22 J	0.34 U	0.015 J
2-Methylphenol (O-Cresol)	0.33	100	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2-Nitroaniline	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
2-Nitrophenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 UT	0.34 UT
3- And 4- Methylphenol (Total)	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.32 U	0.27 U	0.27 U	0.28 U	0.27 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Chloroaniline	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Nitroaniline	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
4-Nitrophenol	NS	NS	0.81 U	0.69 U	0.68 U	0.72 U	0.68 U	0.69 U
Acenaphthene	20	100	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Acenaphthylene	100	100	0.4 U	0.014 J	0.33 U	0.02 J	0.043 J	0.11 J
Acetophenone	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Anthracene	100	100	0.4 U	0.017 J	0.33 U	0.015 J	0.03 J	0.053 J
Atrazine	NS	NS	0.16 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	0.4 UJ	0.34 UJ	0.33 U	0.35 U	0.34 U	0.34 U
Benzo(a)Anthracene	1	1	0.068	0.036	0.033 U	0.033 J	0.11	0.15
Benzo(a)Pyrene	1	1	0.088	0.03 J	0.033 U	0.023 J	0.15	0.31
Benzo(b)Fluoranthene	1	1	0.1	0.036	0.033 U	0.021 J	0.19	0.36
Benzo(g,h,i)Perylene	100	100	0.069 J	0.023 J	0.33 U	0.015 J	0.14 J	0.29 J
Benzo(k)Fluoranthene	0.8	3.9	0.043	0.02 J	0.033 U	0.011 J	0.069	0.12
Benzyl Butyl Phthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.02 J
Caprolactam	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Carbazole	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Chrysene	1	3.9	0.074 J	0.028 J	0.33 U	0.027 J	0.13 J	0.21 J
Dibenz(a,h)Anthracene	0.33	0.33	0.04 U	0.034 U	0.033 U	0.035 U	0.031 J	0.061
Dibenzofuran	7	59	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.011 J
Diethyl Phthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Dimethyl Phthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Fluoranthene	100	100	0.089 J	0.043 J	0.33 U	0.043 J	0.19 J	0.2 J
Fluorene	30	100	0.4 U	0.34 U	0.33 U	0.013 J	0.34 U	0.018 J
Hexachlorobenzene	0.33	1.2	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
Hexachlorobutadiene	NS	NS	0.081 U	0.069 U	0.068 U	0.072 U	0.068 U	0.069 U
Hexachlorocyclopentadiene	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Hexachloroethane	NS	NS	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.066	0.045	0.033 U	0.031 J	0.12	0.25
Isophorone	NS	NS	0.16 U	0.14 U	0.13 U	0.14 U	0.14 U	0.14 U
Naphthalene	12	100	0.4 U	0.34 U	0.33 U	0.054 J	0.0089 J	0.028 J
Nitrobenzene	NS	NS	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.04 U	0.034 U	0.033 U	0.035 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Pentachlorophenol	0.8	6.7	0.32 U	0.27 U	0.27 U	0.28 U	0.27 U	0.28 U
Phenanthrene	100	100	0.025 J	0.027 J	0.33 U	0.047 J	0.08 J	0.091 J
Phenol	0.33	100	0.4 U	0.34 U	0.33 U	0.35 U	0.34 U	0.34 U
Pyrene	100	100	0.092 J	0.036 J	0.33 U	0.058 J	0.15 J	0.21 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01A_6-8_20240729 460-308477-7 7/29/2024 mg/kg 1	RI-SB-01A_10-12_20240729 460-308477-8 7/29/2024 mg/kg 1	RI-SB-14A_0-2_20240729 460-308477-1 7/29/2024 mg/kg 1	RI-SB-14A_4-6_20240729 460-308477-2 7/29/2024 mg/kg 1	RI-SB-X_20240729 460-308477-4 7/29/2024 mg/kg 1	RI-SB-14A_6-8_20240729 460-308477-3 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2,4,5-Trichlorophenol	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.16 U	0.13 U	0.13 U	0.14 U	0.15 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.16 U	0.13 U	0.13 U	0.14 U	0.15 U
2,4-Dimethylphenol	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2,4-Dinitrophenol	NS	NS	0.31 U	0.32 U	0.27 U	0.27 U	0.29 U	0.3 U
2,4-Dinitrotoluene	NS	NS	0.078 U	0.08 U	0.068 U	0.067 U	0.073 U	0.076 U
2,6-Dinitrotoluene	NS	NS	0.078 UT	0.08 UT	0.068 UT	0.067 UT	0.073 UT	0.076 UT
2-Chloronaphthalene	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2-Chlorophenol	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2-Methylnaphthalene	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2-Methylphenol (O-Cresol)	0.33	100	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2-Nitroaniline	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
2-Nitrophenol	NS	NS	0.39 UT	0.39 UT	0.33 UT	0.33 UT	0.36 UT	0.38 UT
3- And 4- Methylphenol (Total)	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.16 U	0.13 U	0.13 U	0.14 U	0.15 U
3-Nitroaniline	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.31 U	0.32 U	0.27 U	0.27 U	0.29 U	0.3 U
4-Bromophenyl Phenyl Ether	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Chloro-3-Methylphenol	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Chloroaniline	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Methylphenol (P-Cresol)	0.33	100	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Nitroaniline	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
4-Nitrophenol	NS	NS	0.78 U	0.8 U	0.68 U	0.67 U	0.73 U	0.76 U
Acenaphthene	20	100	0.39 U	0.39 U	0.013 J	0.013 J	0.36 U	0.38 U
Acenaphthylene	100	100	0.39 U	0.39 U	0.012 J	0.092 J	0.36 U	0.38 U
Acetophenone	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Anthracene	100	100	0.39 U	0.39 U	0.04 J	0.11 J	0.36 U	0.38 U
Atrazine	NS	NS	0.16 U	0.16 U	0.13 U	0.13 U	0.14 U	0.15 U
Benzaldehyde	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Benzo(a)Anthracene	1	1	0.039 U	0.039 U	0.15	0.39	0.036 U	0.038 U
Benzo(a)Pyrene	1	1	0.039 U	0.039 U	0.25	0.43	0.036 U	0.013 J
Benzo(b)Fluoranthene	1	1	0.039 U	0.039 U	0.3	0.52	0.036 U	0.016 J
Benzo(g,h,i)Perylene	100	100	0.39 U	0.39 U	0.15 J	0.27 J	0.36 U	0.014 J
Benzo(k)Fluoranthene	0.8	3.9	0.039 U	0.039 U	0.11	0.21	0.036 U	0.013 J
Benzyl Butyl Phthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Biphenyl (Diphenyl)	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.02 J	0.36 U	0.38 U
Caprolactam	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Carbazole	NS	NS	0.39 U	0.39 U	0.03 J	0.043 J	0.36 U	0.38 U
Chrysene	1	3.9	0.39 U	0.39 U	0.21 J	0.42	0.36 U	0.016 J
Dibenz(a,h)Anthracene	0.33	0.33	0.039 U	0.039 U	0.042	0.084	0.036 U	0.038 U
Dibenzofuran	7	59	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Diethyl Phthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Dimethyl Phthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Di-N-Butyl Phthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Di-N-Octylphthalate	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Fluoranthene	100	100	0.39 U	0.39 U	0.32 J	0.81	0.36 U	0.018 J
Fluorene	30	100	0.39 U	0.39 U	0.012 J	0.021 J	0.36 U	0.38 U
Hexachlorobenzene	0.33	1.2	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
Hexachlorobutadiene	NS	NS	0.078 U	0.08 U	0.068 U	0.067 U	0.073 U	0.076 U
Hexachlorocyclopentadiene	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Hexachloroethane	NS	NS	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.039 U	0.039 U	0.15	0.26	0.036 U	0.016 J
Isophorone	NS	NS	0.16 U	0.16 U	0.13 U	0.13 U	0.14 U	0.15 U
Naphthalene	12	100	0.39 U	0.39 U	0.0075 J	0.015 J	0.36 U	0.38 U
Nitrobenzene	NS	NS	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
N-Nitrosodi-N-Propylamine	NS	NS	0.039 U	0.039 U	0.033 U	0.033 U	0.036 U	0.038 U
N-Nitrosodiphenylamine	NS	NS	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Pentachlorophenol	0.8	6.7	0.31 U	0.32 U	0.27 U	0.27 U	0.29 U	0.3 U
Phenanthrene	100	100	0.39 U	0.39 U	0.17 J	0.37	0.36 U	0.38 U
Phenol	0.33	100	0.39 U	0.39 U	0.33 U	0.33 U	0.36 U	0.38 U
Pyrene	100	100	0.39 U	0.39 U	0.35	0.69	0.36 U	0.018 J

Table 2B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-FB-01_20240506 460-303359-16 5/06/2024 µg/L 1	RI-FB-02_20240510 460-303658-2 5/10/2024 µg/L 1	RI-SB-FB-01_20240729 460-308477-10 7/29/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.2 U	0.2 U	4
2,3,4,6-Tetrachlorophenol	NS	NS	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	NS	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	NS	10 U	10 U	10 U
2,4-Dichlorophenol	NS	NS	10 U	10 U	10 U
2,4-Dimethylphenol	NS	NS	10 U	10 U	10 U
2,4-Dinitrophenol	NS	NS	40 U	40 U	40 U
2,4-Dinitrotoluene	NS	NS	10 U	10 U	10 U
2,6-Dinitrotoluene	NS	NS	2 U	2 U	2 U
2-Chloronaphthalene	NS	NS	10 U	10 U	10 U
2-Chlorophenol	NS	NS	10 U	10 U	10 U
2-Methylnaphthalene	NS	NS	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	0.33	100	10 U	10 U	10 U
2-Nitroaniline	NS	NS	10 U	10 U	10 U
2-Nitrophenol	NS	NS	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	NS	10 U	10 U	10 U
3,3'-Dichlorobenzidine	NS	NS	10 U	10 U	10 U
3-Nitroaniline	NS	NS	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	NS	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	NS	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	NS	10 U	10 U	10 U
4-Chloroaniline	NS	NS	10 U	10 UJ	10 U
4-Chlorophenyl Phenyl Ether	NS	NS	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	0.33	100	10 U	10 U	10 U
4-Nitroaniline	NS	NS	10 U	10 U	10 U
4-Nitrophenol	NS	NS	20 U	20 U	20 U
Acenaphthene	20	100	10 U	10 U	10 U
Acenaphthylene	100	100	10 U	10 U	10 U
Acetophenone	NS	NS	10 U	10 U	10 U
Anthracene	100	100	10 U	10 U	10 U
Atrazine	NS	NS	2 U	2 U	2 U
Benzaldehyde	NS	NS	10 UJ	10 U	10 U
Benzo(a)Anthracene	1	1	1 U	1 U	1 U
Benzo(a)Pyrene	1	1	1 U	1 U	1 U
Benzo(b)Fluoranthene	1	1	2 U	2 U	2 U
Benzo(g,h,i)Perylene	100	100	10 U	10 U	10 UT
Benzo(k)Fluoranthene	0.8	3.9	1 U	1 U	1 U
Benzyl Butyl Phthalate	NS	NS	10 U	10 U	10 U
Biphenyl (Diphenyl)	NS	NS	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	NS	NS	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	NS	NS	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	2 U	2 U	2 U
Caprolactam	NS	NS	10 U	10 UJ	10 U
Carbazole	NS	NS	10 U	10 U	10 U
Chrysene	1	3.9	2 U	2 U	2 U
Dibenz(a,h)Anthracene	0.33	0.33	1 U	1 U	1 U
Dibenzofuran	7	59	10 U	10 U	10 U
Diethyl Phthalate	NS	NS	10 U	10 U	10 U
Dimethyl Phthalate	NS	NS	10 U	10 U	10 U
Di-N-Butyl Phthalate	NS	NS	10 U	10 U	10 U
Di-N-Octylphthalate	NS	NS	10 U	10 U	10 U
Fluoranthene	100	100	10 U	10 U	10 U
Fluorene	30	100	10 U	10 U	10 U
Hexachlorobenzene	0.33	1.2	1 U	1 U	1 U
Hexachlorobutadiene	NS	NS	1 U	1 U	1 U
Hexachlorocyclopentadiene	NS	NS	10 U	10 U	10 U
Hexachloroethane	NS	NS	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	2 U	2 U	2 U
Isophorone	NS	NS	10 U	10 U	10 U
Naphthalene	12	100	2 U	2 U	2 U
Nitrobenzene	NS	NS	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	NS	1 U	1 U	1 U
N-Nitrosodiphenylamine	NS	NS	10 U	10 U	10 U
Pentachlorophenol	0.8	6.7	20 U	20 U	20 U
Phenanthrene	100	100	10 U	10 U	10 U
Phenol	0.33	100	10 U	10 U	10 U
Pyrene	100	100	10 U	10 U	10 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01_0-2_20240508 460-303510-2 5/08/2024 mg/kg 1	RI-SB-01_SURFACE_20240508 460-303510-1 5/08/2024 mg/kg 1	RI-SB-01_2-4_20240508 460-303510-5 5/08/2024 mg/kg 1	RI-SB-01_6-8_20240508 460-303510-3 5/08/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Alpha Endosulfan	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Beta Endosulfan	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
cis-Chlordane	0.094	4.2	0.0074 J	0.0041 J	0.0075 U	0.0077 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Dieldrin	0.005	0.2	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Endosulfan Sulfate	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Endrin Aldehyde	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Endrin Ketone	NS	NS	0.0076 UJ	0.0077 U	0.0075 U	0.0077 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0023 U	0.0022 U	0.0023 U
Heptachlor	0.042	2.1	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Heptachlor Epoxide	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
Methoxychlor	NS	NS	0.0076 U	0.0077 U	0.0075 U	0.0077 U
P,P'-DDD	0.0033	13	0.0076 U	0.0077 U	0.0075 U	0.0077 U
P,P'-DDE	0.0033	8.9	0.0085	0.0048 J	0.0075 U	0.0077 U
P,P'-DDT	0.0033	7.9	0.01	0.0035 J	0.0075 U	0.0077 U
Toxaphene	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01_10-12_20240508 460-303510-4 5/08/2024 mg/kg 1	RI-SB-02_1-3_20240513 460-303833-2 5/13/2024 mg/kg 1	RI-SB-03_1-3_20240513 460-303833-1 5/13/2024 mg/kg 1	RI-SB-04_0-2_20240507 460-303419-9 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0023 U	0.0027 U	0.002 U
Alpha Endosulfan	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0023 U	0.0027 U	0.002 U
Beta Endosulfan	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
cis-Chlordane	0.094	4.2	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0023 U	0.0027 U	0.002 U
Dieldrin	0.005	0.2	0.0022 U	0.0023 U	0.0027 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Endrin Aldehyde	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Endrin Ketone	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0023 U	0.0027 U	0.002 U
Heptachlor	0.042	2.1	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Heptachlor Epoxide	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Methoxychlor	NS	NS	0.0075 U	0.0077 U	0.0089 U	0.0067 U
P,P'-DDD	0.0033	13	0.0075 U	0.0077 U	0.0089 U	0.0067 U
P,P'-DDE	0.0033	8.9	0.0075 U	0.0077 U	0.0089 U	0.0067 U
P,P'-DDT	0.0033	7.9	0.0075 U	0.0077 U	0.0089 U	0.0067 U
Toxaphene	NS	NS	0.075 U	0.077 U	0.089 U	0.067 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-04_4-6_20240507 460-303419-10 5/07/2024 mg/kg 1	RI-SB-05_0-2_20240506 460-303359-1 5/06/2024 mg/kg 1	RI-SB-05_SURFACE_20240506 460-303359-2 5/06/2024 mg/kg 1	RI-SB-05_2-4_20240506 460-303359-4 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0068 U	0.007 U	0.0071 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.0021 U	0.0021 U	0.0022 U
Alpha Endosulfan	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.0021 U	0.0021 U	0.0022 U
Beta Endosulfan	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
cis-Chlordane	0.094	4.2	0.0068 U	0.007 U	0.0071 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.0021 U	0.0021 U	0.0022 U
Dieldrin	0.005	0.2	0.002 U	0.0021 U	0.0021 U	0.0022 U
Endosulfan Sulfate	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0068 U	0.007 U	0.0071 U	0.0075 U
Endrin Aldehyde	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
Endrin Ketone	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.0021 U	0.0021 U	0.0022 U
Heptachlor	0.042	2.1	0.0068 U	0.007 U	0.0071 U	0.0075 U
Heptachlor Epoxide	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
Methoxychlor	NS	NS	0.0068 U	0.007 U	0.0071 U	0.0075 U
P,P'-DDD	0.0033	13	0.0068 U	0.007 U	0.0071 U	0.0047 J
P,P'-DDE	0.0033	8.9	0.0068 U	0.007 U	0.0071 U	0.036
P,P'-DDT	0.0033	7.9	0.0068 U	0.016	0.0064 J	0.061
Toxaphene	NS	NS	0.068 U	0.07 U	0.071 U	0.075 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-05_4-6_20240506 460-303359-3 5/06/2024 mg/kg 1	RI-SB-06_0-2_20240506 460-303359-9 5/06/2024 mg/kg 1	RI-SB-X1_6-8_20240506 460-303359-8 5/06/2024 mg/kg 1	RI-SB-06_4-6_20240506 460-303359-10 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0075 U	0.007 U	0.0072 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0021 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0021 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
cis-Chlordane	0.094	4.2	0.0075 U	0.007 U	0.0072 U	0.0071 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0021 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.0022 U	0.0021 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0075 U	0.007 U	0.0072 U	0.0071 U
Endrin Aldehyde	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 UJ
Endrin Ketone	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0021 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.0075 U	0.007 U	0.0072 U	0.0071 U
Heptachlor Epoxide	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
Methoxychlor	NS	NS	0.0075 U	0.007 U	0.0072 U	0.0071 U
P,P'-DDD	0.0033	13	0.0075 U	0.007 U	0.0072 U	0.0071 U
P,P'-DDE	0.0033	8.9	0.0075 U	0.007 U	0.0072 U	0.0071 U
P,P'-DDT	0.0033	7.9	0.0075 U	0.007 U	0.0072 U	0.0071 UJ
Toxaphene	NS	NS	0.075 U	0.07 U	0.072 U	0.071 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-06_6-8_20240506 460-303359-11 5/06/2024 mg/kg 1	RI-SB-07_0-2_20240506 460-303359-5 5/06/2024 mg/kg 1	RI-SB-07_4-6_20240506 460-303359-6 5/06/2024 mg/kg 1	RI-SB-07_6-8_20240506 460-303359-7 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0072 U	0.0068 U	0.007 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0021 U	0.002 U	0.0021 U	0.0022 U
Alpha Endosulfan	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0021 U	0.002 U	0.0021 U	0.0022 U
Beta Endosulfan	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
cis-Chlordane	0.094	4.2	0.0072 U	0.0068 U	0.007 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0021 U	0.002 U	0.0021 U	0.0022 U
Dieldrin	0.005	0.2	0.0021 U	0.002 U	0.0021 U	0.0022 U
Endosulfan Sulfate	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0072 U	0.0068 U	0.007 U	0.0075 U
Endrin Aldehyde	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
Endrin Ketone	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
Gamma Bhc (Lindane)	0.1	1.3	0.0021 U	0.002 U	0.0021 U	0.0022 U
Heptachlor	0.042	2.1	0.0072 U	0.0068 U	0.007 U	0.0075 U
Heptachlor Epoxide	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
Methoxychlor	NS	NS	0.0072 U	0.0068 U	0.007 U	0.0075 U
P,P'-DDD	0.0033	13	0.0072 U	0.0068 U	0.007 U	0.0075 U
P,P'-DDE	0.0033	8.9	0.0072 U	0.0068 U	0.007 U	0.0075 U
P,P'-DDT	0.0033	7.9	0.0072 U	0.0068 U	0.007 U	0.0075 U
Toxaphene	NS	NS	0.072 U	0.068 U	0.07 U	0.075 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-X2_20240510 460-303658-4 5/10/2024 mg/kg 1	RI-SB-08_1.5-3.5_20240510 460-303658-3 5/10/2024 mg/kg 1	RI-SB-09_0-2_20240507 460-303419-1 5/07/2024 mg/kg 1	RI-SB-09_4-6_20240507 460-303419-2 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0021 U	0.002 U	0.002 U
Alpha Endosulfan	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0021 U	0.002 U	0.002 U
Beta Endosulfan	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
cis-Chlordane	0.094	4.2	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0021 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.0022 U	0.0021 U	0.002 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Endrin Aldehyde	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Endrin Ketone	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0021 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Heptachlor Epoxide	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Methoxychlor	NS	NS	0.0074 U	0.0071 U	0.0067 U	0.0067 U
P,P'-DDD	0.0033	13	0.0074 U	0.0071 U	0.0067 U	0.0067 U
P,P'-DDE	0.0033	8.9	0.0074 U	0.0071 U	0.0067 U	0.0067 U
P,P'-DDT	0.0033	7.9	0.0074 U	0.0071 U	0.0067 U	0.0067 U
Toxaphene	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-09_6-8_20240507 460-303419-3 5/07/2024 mg/kg 1	RI-SB-09_9-11_20240507 460-303419-4 5/07/2024 mg/kg 1	RI-SB-10_0-2_20240507 460-303419-11 5/07/2024 mg/kg 1	RI-SB-10_SURFACE_20240507 460-303419-13 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.002 U	0.002 U	0.002 U
Alpha Endosulfan	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.002 U	0.002 U	0.002 U
Beta Endosulfan	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
cis-Chlordane	0.094	4.2	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Endrin Aldehyde	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Endrin Ketone	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Heptachlor Epoxide	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
Methoxychlor	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0067 U
P,P'-DDD	0.0033	13	0.0067 U	0.0068 U	0.0067 U	0.0067 U
P,P'-DDE	0.0033	8.9	0.0067 U	0.0068 U	0.0067 U	0.0023 J
P,P'-DDT	0.0033	7.9	0.0067 U	0.0068 U	0.0027 J	0.0034 J
Toxaphene	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-10_4-6_20240507 460-303419-12 5/07/2024 mg/kg 1	RI-SB-10_8-10_20240507 460-303419-14 5/07/2024 mg/kg 1	RI-SB-11_0-2_20240507 460-303419-6 5/07/2024 mg/kg 1	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.002 U	0.002 U	0.002 U
Alpha Endosulfan	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.002 U	0.002 U	0.002 U
Beta Endosulfan	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
cis-Chlordane	0.094	4.2	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.002 U	0.002 U	0.002 U
Dieldrin	0.005	0.2	0.002 U	0.002 U	0.002 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Endrin Aldehyde	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Endrin Ketone	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.002 U	0.002 U	0.002 U
Heptachlor	0.042	2.1	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Heptachlor Epoxide	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
Methoxychlor	NS	NS	0.0067 U	0.0068 U	0.0067 U	0.0068 U
P,P'-DDD	0.0033	13	0.0067 U	0.0068 U	0.0067 U	0.0068 U
P,P'-DDE	0.0033	8.9	0.0067 U	0.0068 U	0.0067 U	0.0068 U
P,P'-DDT	0.0033	7.9	0.0067 U	0.0068 U	0.0046 J	0.0061 J
Toxaphene	NS	NS	0.067 U	0.068 U	0.067 U	0.068 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-11_5-7_20240507 460-303419-7 5/07/2024 mg/kg 1	RI-SB-11_8-10_20240507 460-303419-8 5/07/2024 mg/kg 1	RI-SB-12_0.5-2.5_20240510 460-303658-5 5/10/2024 mg/kg 1	RI-SB-13_1.5-3.5_20240513 460-303833-3 5/13/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.002 U	0.0022 U	0.0024 U
Alpha Endosulfan	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.002 U	0.0022 U	0.0024 U
Beta Endosulfan	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
cis-Chlordane	0.094	4.2	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.002 U	0.0022 U	0.0024 U
Dieldrin	0.005	0.2	0.002 U	0.002 U	0.0022 U	0.0024 U
Endosulfan Sulfate	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Endrin Aldehyde	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Endrin Ketone	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.002 U	0.0022 U	0.0024 U
Heptachlor	0.042	2.1	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Heptachlor Epoxide	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Methoxychlor	NS	NS	0.0067 U	0.0067 U	0.0074 U	0.0082 U
P,P'-DDD	0.0033	13	0.0067 U	0.0067 U	0.0074 U	0.0082 U
P,P'-DDE	0.0033	8.9	0.0067 U	0.0067 U	0.0074 U	0.0082 U
P,P'-DDT	0.0033	7.9	0.0067 U	0.0067 U	0.0074 U	0.0082 U
Toxaphene	NS	NS	0.067 U	0.067 U	0.074 U	0.082 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-14_0-2_20240506 460-303359-12 5/06/2024 mg/kg 1	RI-SB-14_4-6_20240506 460-303359-14 5/06/2024 mg/kg 1	RI-SB-14_6-8_20240506 460-303359-15 5/06/2024 mg/kg 1	RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.002 U	0.0021 U	0.002 U
Alpha Endosulfan	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.002 U	0.0021 U	0.002 U
Beta Endosulfan	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
cis-Chlordane	0.094	4.2	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.002 U	0.0021 U	0.002 U
Dieldrin	0.005	0.2	0.002 U	0.002 U	0.0021 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Endrin Aldehyde	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Endrin Ketone	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.002 U	0.0021 U	0.002 U
Heptachlor	0.042	2.1	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Heptachlor Epoxide	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Methoxychlor	NS	NS	0.0069 U	0.0068 U	0.0072 U	0.0068 U
P,P'-DDD	0.0033	13	0.0069 U	0.0068 U	0.0072 U	0.0068 U
P,P'-DDE	0.0033	8.9	0.0069 U	0.0068 U	0.0072 U	0.0068 U
P,P'-DDT	0.0033	7.9	0.0069 U	0.0068 U	0.0072 U	0.0068 U
Toxaphene	NS	NS	0.069 U	0.068 U	0.072 U	0.068 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01A_0-2_20240729 460-308477-6 7/29/2024 mg/kg 1	RI-SB-01A_6-8_20240729 460-308477-7 7/29/2024 mg/kg 1	RI-SB-01A_10-12_20240729 460-308477-8 7/29/2024 mg/kg 1	RI-SB-14A_0-2_20240729 460-308477-1 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0069 U	0.0078 U	0.008 U	0.0068 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0021 U	0.0023 U	0.0024 U	0.002 U
Alpha Endosulfan	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0021 U	0.0023 U	0.0024 U	0.002 U
Beta Endosulfan	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
cis-Chlordane	0.094	4.2	0.0069 U	0.0078 U	0.008 U	0.0068 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0021 U	0.0023 U	0.0024 U	0.002 U
Dieldrin	0.005	0.2	0.0021 U	0.0023 U	0.0024 U	0.002 U
Endosulfan Sulfate	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0069 U	0.0078 U	0.008 U	0.0068 U
Endrin Aldehyde	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
Endrin Ketone	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
Gamma Bhc (Lindane)	0.1	1.3	0.0021 U	0.0023 U	0.0024 U	0.002 U
Heptachlor	0.042	2.1	0.0069 U	0.0078 U	0.008 U	0.0068 U
Heptachlor Epoxide	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
Methoxychlor	NS	NS	0.0069 U	0.0078 U	0.008 U	0.0068 U
P,P'-DDD	0.0033	13	0.0069 U	0.0078 U	0.008 U	0.0068 U
P,P'-DDE	0.0033	8.9	0.0069 U	0.0078 U	0.008 U	0.0068 U
P,P'-DDT	0.0033	7.9	0.0069 U	0.0078 U	0.008 U	0.0068 U
Toxaphene	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-14A_4-6_20240729 460-308477-2 7/29/2024 mg/kg 1	RI-SB-X_20240729 460-308477-4 7/29/2024 mg/kg 1	RI-SB-14A_6-8_20240729 460-308477-3 7/29/2024 mg/kg 1	RI-FB-01_20240506 460-303359-16 5/06/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0068 U	0.0073 U	0.0076 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.002 U	0.0022 U	0.0023 U	0.02 U
Alpha Endosulfan	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.002 U	0.0022 U	0.0023 U	0.02 U
Beta Endosulfan	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
cis-Chlordane	0.094	4.2	0.0068 U	0.0073 U	0.0076 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.002 U	0.0022 U	0.0023 U	0.02 U
Dieldrin	0.005	0.2	0.002 U	0.0022 U	0.0023 U	0.02 U
Endosulfan Sulfate	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
Endosulfans ABS	2.4	24	0 U	0 U	0 U	0 U
Endrin	0.014	11	0.0068 U	0.0073 U	0.0076 U	0.02 U
Endrin Aldehyde	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
Endrin Ketone	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
Gamma Bhc (Lindane)	0.1	1.3	0.002 U	0.0022 U	0.0023 U	0.02 U
Heptachlor	0.042	2.1	0.0068 U	0.0073 U	0.0076 U	0.02 U
Heptachlor Epoxide	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
Methoxychlor	NS	NS	0.0068 U	0.0073 U	0.0076 U	0.02 U
P,P'-DDD	0.0033	13	0.0068 U	0.0073 U	0.0076 U	0.02 U
P,P'-DDE	0.0033	8.9	0.0068 U	0.0073 U	0.0076 U	0.02 U
P,P'-DDT	0.0033	7.9	0.0068 U	0.0073 U	0.0076 U	0.02 U
Toxaphene	NS	NS	0.068 U	0.073 U	0.076 U	0.5 U

Table 2C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-FB-02_20240510 460-303658-2 5/10/2024 µg/L 1	RI-SB-FB-01_20240729 460-308477-10 7/29/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q
Aldrin	0.005	0.097	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02 U	0.02 U
Alpha Endosulfan	NS	NS	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.02 U	0.02 U
Beta Endosulfan	NS	NS	0.02 U	0.02 U
cis-Chlordane	0.094	4.2	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.02 U	0.02 U
Dieldrin	0.005	0.2	0.02 U	0.02 U
Endosulfan Sulfate	NS	NS	0.02 U	0.02 U
Endosulfans ABS	2.4	24	0 U	0 U
Endrin	0.014	11	0.02 U	0.02 UT
Endrin Aldehyde	NS	NS	0.02 U	0.02 U
Endrin Ketone	NS	NS	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.1	1.3	0.02 U	0.02 U
Heptachlor	0.042	2.1	0.02 U	0.02 U
Heptachlor Epoxide	NS	NS	0.02 U	0.02 U
Methoxychlor	NS	NS	0.02 U	0.02 U
P,P'-DDD	0.0033	13	0.02 U	0.02 U
P,P'-DDE	0.0033	8.9	0.02 U	0.02 U
P,P'-DDT	0.0033	7.9	0.02 U	0.02 U
Toxaphene	NS	NS	0.5 U	0.5 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01_0-2_20240508 460-303510-2 5/08/2024 mg/kg 1	RI-SB-01_SURFACE_20240508 460-303510-1 5/08/2024 mg/kg 1	RI-SB-01_2-4_20240508 460-303510-5 5/08/2024 mg/kg 1	RI-SB-01_6-8_20240508 460-303510-3 5/08/2024 mg/kg 1	RI-SB-01_10-12_20240508 460-303510-4 5/08/2024 mg/kg 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	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1221 (Aroclor 1221)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1232 (Aroclor 1232)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1242 (Aroclor 1242)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1248 (Aroclor 1248)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1254 (Aroclor 1254)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1260 (Aroclor 1260)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1262 (Aroclor 1262)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
PCB-1268 (Aroclor 1268)	NS	NS	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U
Total PCBs	0.1	1	0.076 U	0.077 U	0.075 U	0.077 U	0.075 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-02_1-3_20240513 460-303833-2 5/13/2024 mg/kg 1	RI-SB-03_1-3_20240513 460-303833-1 5/13/2024 mg/kg 1	RI-SB-04_0-2_20240507 460-303419-9 5/07/2024 mg/kg 1	RI-SB-04_4-6_20240507 460-303419-10 5/07/2024 mg/kg 1	RI-SB-05_0-2_20240506 460-303359-1 5/06/2024 mg/kg 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	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1221 (Aroclor 1221)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1232 (Aroclor 1232)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1242 (Aroclor 1242)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1248 (Aroclor 1248)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1254 (Aroclor 1254)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1260 (Aroclor 1260)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.15
PCB-1262 (Aroclor 1262)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
PCB-1268 (Aroclor 1268)	NS	NS	0.077 U	0.089 U	0.067 U	0.068 U	0.07 U
Total PCBs	0.1	1	0.077 U	0.089 U	0.067 U	0.068 U	0.15

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-05_SURFACE_20240506 460-303359-2 5/06/2024 mg/kg 1	RI-SB-05_2-4_20240506 460-303359-4 5/06/2024 mg/kg 1	RI-SB-05_4-6_20240506 460-303359-3 5/06/2024 mg/kg 1	RI-SB-06_0-2_20240506 460-303359-9 5/06/2024 mg/kg 1	RI-SB-X1_6-8_20240506 460-303359-8 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1221 (Aroclor 1221)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1232 (Aroclor 1232)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1242 (Aroclor 1242)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1248 (Aroclor 1248)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1254 (Aroclor 1254)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1260 (Aroclor 1260)	NS	NS	0.071 U	0.059 J	0.075 U	0.07 U	0.072 U
PCB-1262 (Aroclor 1262)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
PCB-1268 (Aroclor 1268)	NS	NS	0.071 U	0.075 U	0.075 U	0.07 U	0.072 U
Total PCBs	0.1	1	0.071 U	0.059 J	0.075 U	0.07 U	0.072 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-06_4-6_20240506 460-303359-10 5/06/2024 mg/kg 1	RI-SB-06_6-8_20240506 460-303359-11 5/06/2024 mg/kg 1	RI-SB-07_0-2_20240506 460-303359-5 5/06/2024 mg/kg 1	RI-SB-07_4-6_20240506 460-303359-6 5/06/2024 mg/kg 1	RI-SB-07_6-8_20240506 460-303359-7 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1221 (Aroclor 1221)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1232 (Aroclor 1232)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1242 (Aroclor 1242)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1248 (Aroclor 1248)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1254 (Aroclor 1254)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1260 (Aroclor 1260)	NS	NS	0.071 U	0.072 U	0.077	0.07 U	0.075 U
PCB-1262 (Aroclor 1262)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
PCB-1268 (Aroclor 1268)	NS	NS	0.071 U	0.072 U	0.068 U	0.07 U	0.075 U
Total PCBs	0.1	1	0.071 U	0.072 U	0.077	0.07 U	0.075 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-X2_20240510 460-303658-4 5/10/2024 mg/kg 1	RI-SB-08_1.5-3.5_20240510 460-303658-3 5/10/2024 mg/kg 1	RI-SB-09_0-2_20240507 460-303419-1 5/07/2024 mg/kg 1	RI-SB-09_4-6_20240507 460-303419-2 5/07/2024 mg/kg 1	RI-SB-09_6-8_20240507 460-303419-3 5/07/2024 mg/kg 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	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1221 (Aroclor 1221)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1232 (Aroclor 1232)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1242 (Aroclor 1242)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1248 (Aroclor 1248)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1254 (Aroclor 1254)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1260 (Aroclor 1260)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1262 (Aroclor 1262)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
PCB-1268 (Aroclor 1268)	NS	NS	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U
Total PCBs	0.1	1	0.074 U	0.071 U	0.067 U	0.067 U	0.067 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-09_9-11_20240507 460-303419-4 5/07/2024 mg/kg 1	RI-SB-10_0-2_20240507 460-303419-11 5/07/2024 mg/kg 1	RI-SB-10_SURFACE_20240507 460-303419-13 5/07/2024 mg/kg 1	RI-SB-10_4-6_20240507 460-303419-12 5/07/2024 mg/kg 1	RI-SB-10_8-10_20240507 460-303419-14 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1221 (Aroclor 1221)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1232 (Aroclor 1232)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1242 (Aroclor 1242)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1248 (Aroclor 1248)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1254 (Aroclor 1254)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1260 (Aroclor 1260)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1262 (Aroclor 1262)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
PCB-1268 (Aroclor 1268)	NS	NS	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U
Total PCBs	0.1	1	0.068 U	0.067 U	0.067 U	0.067 U	0.068 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-11_0-2_20240507 460-303419-6 5/07/2024 mg/kg 1	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 mg/kg 1	RI-SB-11_5-7_20240507 460-303419-7 5/07/2024 mg/kg 1	RI-SB-11_8-10_20240507 460-303419-8 5/07/2024 mg/kg 1	RI-SB-12_0.5-2.5_20240510 460-303658-5 5/10/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1221 (Aroclor 1221)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1232 (Aroclor 1232)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1242 (Aroclor 1242)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1248 (Aroclor 1248)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1254 (Aroclor 1254)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1260 (Aroclor 1260)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1262 (Aroclor 1262)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
PCB-1268 (Aroclor 1268)	NS	NS	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U
Total PCBs	0.1	1	0.067 U	0.068 U	0.067 U	0.067 U	0.074 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-13_1.5-3.5_20240513 460-303833-3 5/13/2024 mg/kg 1	RI-SB-14_0-2_20240506 460-303359-12 5/06/2024 mg/kg 1	RI-SB-14_4-6_20240506 460-303359-14 5/06/2024 mg/kg 1	RI-SB-14_6-8_20240506 460-303359-15 5/06/2024 mg/kg 1	RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1221 (Aroclor 1221)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1232 (Aroclor 1232)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1242 (Aroclor 1242)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1248 (Aroclor 1248)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1254 (Aroclor 1254)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1260 (Aroclor 1260)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1262 (Aroclor 1262)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
PCB-1268 (Aroclor 1268)	NS	NS	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U
Total PCBs	0.1	1	0.082 U	0.069 U	0.068 U	0.072 U	0.068 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01A_0-2_20240729 460-308477-6 7/29/2024 mg/kg 1	RI-SB-01A_6-8_20240729 460-308477-7 7/29/2024 mg/kg 1	RI-SB-01A_10-12_20240729 460-308477-8 7/29/2024 mg/kg 1	RI-SB-14A_0-2_20240729 460-308477-1 7/29/2024 mg/kg 1	RI-SB-14A_4-6_20240729 460-308477-2 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1221 (Aroclor 1221)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1232 (Aroclor 1232)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1242 (Aroclor 1242)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1248 (Aroclor 1248)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1254 (Aroclor 1254)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1260 (Aroclor 1260)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1262 (Aroclor 1262)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
PCB-1268 (Aroclor 1268)	NS	NS	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U
Total PCBs	0.1	1	0.069 U	0.078 U	0.08 U	0.068 U	0.068 U

Table 2D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-X_20240729 460-308477-4 7/29/2024 mg/kg 1	RI-SB-14A_6-8_20240729 460-308477-3 7/29/2024 mg/kg 1	RI-FB-01_20240506 460-303359-16 5/06/2024 µg/L 1	RI-FB-02_20240510 460-303658-2 5/10/2024 µg/L 1	RI-SB-FB-01_20240729 460-308477-10 7/29/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	NS	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U
Total PCBs	0.1	1	0.073 U	0.076 U	0.4 U	0.4 U	0.4 U

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01_0-2_20240508 460-303510-2 5/08/2024 mg/kg 1	RI-SB-01_SURFACE_20240508 460-303510-1 5/08/2024 mg/kg 1	RI-SB-01_2-4_20240508 460-303510-5 5/08/2024 mg/kg 1	RI-SB-01_6-8_20240508 460-303510-3 5/08/2024 mg/kg 1	RI-SB-01_10-12_20240508 460-303510-4 5/08/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,060	7,800	16,800	15,700	8,430
Antimony	NS	NS	0.17 J	0.9 U	0.21 J	0.88 U	0.89 U
Arsenic	13	16	2	2.3	2.2	6	1.8
Barium	350	400	93.5	63.3	125	133	70.2
Beryllium	7.2	72	0.21 J	0.26 J	0.57	0.62	0.28 J
Cadmium	2.5	4.3	0.11 J	0.9 U	0.2 J	0.88 U	0.11 J
Calcium	NS	NS	8,470	2,760	8,050	2,570	4,650
Chromium, Hexavalent	1	110	2.3 U	2.3 U	2.2 U	2.3 U	2.2 U
Chromium, Total	NS	NS	20	20.7	26.8	23.6	15.6
Cobalt	NS	NS	7.8	4.9	7.9	9.2	5.1
Copper	50	270	31.3	14	13.1	10	12.2
Cyanide	27	27	0.25 U	0.25 U	0.23 U	0.24 U	0.27 U
Iron	NS	NS	15,200	11,800	20,200	36,800	12,800
Lead	63	400	77.4	20.1	13.8	9.3	4.4
Magnesium	NS	NS	4,200	3,820	4,690	4,970	5,200
Manganese	1,600	2,000	193	201	807	259	123
Mercury	0.18	0.81	0.1	0.059	0.068	0.029	0.018 U
Nickel	30	310	17.4	13.8	15.6	16.7	11.2
Potassium	NS	NS	1,190	1,600	1,870	1,670	2,340
Selenium	3.9	180	0.16 J	0.12 J	0.55 J	0.34 J	0.24 J
Silver	2	180	0.34 U	0.36 U	0.34 U	0.35 U	0.36 U
Sodium	NS	NS	119	80.8 J	142	242	248
Thallium	NS	NS	0.094 J	0.11 J	0.21 J	0.19 J	0.13 J
Vanadium	NS	NS	22.2	19.2	35.5	41.5	24.2
Zinc	109	10,000	151	43.7	157	68.3	36.3

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-02_1-3_20240513 460-303833-2 5/13/2024 mg/kg 1	RI-SB-03_1-3_20240513 460-303833-1 5/13/2024 mg/kg 1	RI-SB-04_0-2_20240507 460-303419-9 5/07/2024 mg/kg 1	RI-SB-04_4-6_20240507 460-303419-10 5/07/2024 mg/kg 1	RI-SB-05_0-2_20240506 460-303359-1 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	11,200	10,300	5,250	10,600	10,600
Antimony	NS	NS	0.51 J	0.98 J	0.19 J	0.94 U	0.28 JL
Arsenic	13	16	2.4	7.2	3.9	1.5	4.4
Barium	350	400	91.1	194	229	53.4	213
Beryllium	7.2	72	0.37	0.42	0.34 J	0.37 J	0.4 J
Cadmium	2.5	4.3	0.2 J	0.64 J	0.3 J	0.12 J	0.52 J
Calcium	NS	NS	12,100	11,600	16,400	1,830	4,330
Chromium, Hexavalent	1	110	2.3 U	2.7 U	2 U	2 U	1.2 J
Chromium, Total	NS	NS	18	21.6	9.1	16.1	17.9
Cobalt	NS	NS	49.3	9.9	5	5.5	6.7
Copper	50	270	22.2	36.4	52.8	7.7	39.9 JL
Cyanide	27	27	0.25 U	0.31 U	0.2 U	0.21 U	0.22 U
Iron	NS	NS	17,900	18,900	7,380	15,000	16,700
Lead	63	400	181	218	234	9.5	521
Magnesium	NS	NS	6,760	6,000	3,400	3,000	4,170
Manganese	1,600	2,000	227	284	136	134	262
Mercury	0.18	0.81	0.18	0.075	0.23	0.093	0.21
Nickel	30	310	24.4	16.4	11	9.3	13.7
Potassium	NS	NS	1,910	2,330	833	641	1,300
Selenium	3.9	180	0.32 J	0.85 J	0.39 J	0.45 J	0.31 J
Silver	2	180	0.083 J	0.26 J	0.38 U	0.38 U	0.18 J
Sodium	NS	NS	247	275	192	109	107
Thallium	NS	NS	0.14 J	0.24 J	0.11 J	0.13 J	0.14 J
Vanadium	NS	NS	30.8	30.9	17.4	24.4	26
Zinc	109	10,000	91.2	245	128	37	217

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-05_SURFACE_20240506 460-303359-2 5/06/2024 mg/kg 1	RI-SB-05_2-4_20240506 460-303359-4 5/06/2024 mg/kg 1	RI-SB-05_2-4_20240506 460-303359-4 5/06/2024 mg/kg 5	RI-SB-05_4-6_20240506 460-303359-3 5/06/2024 mg/kg 1	RI-SB-06_0-2_20240506 460-303359-9 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	12,100	5,570	NR	11,600	5,330
Antimony	NS	NS	0.22 J	0.16 J	NR	1.1 U	0.31 J
Arsenic	13	16	3	9.3	NR	2.4	3.5
Barium	350	400	134	NR	2,480	115	63
Beryllium	7.2	72	0.39	0.2 J	NR	0.58	0.21 J
Cadmium	2.5	4.3	0.36 J	0.95 J	NR	0.22 J	0.52 J
Calcium	NS	NS	2,360	63,500	NR	4,990	29,900
Chromium, Hexavalent	1	110	2.1 U	2.2 U	NR	2.2 U	2 U
Chromium, Total	NS	NS	19.8	13.9	NR	21.5	8.8
Cobalt	NS	NS	6.4	7	NR	7.4	3.7
Copper	50	270	19	15.5	NR	25	77.6
Cyanide	27	27	0.21 U	0.22 U	NR	0.22 U	0.2 U
Iron	NS	NS	15,500	10,200	NR	19,100	9,330
Lead	63	400	188	933	NR	29.6	115
Magnesium	NS	NS	3,360	9,180	NR	4,440	15,200
Manganese	1,600	2,000	341	183	NR	96.7	153
Mercury	0.18	0.81	0.078	0.06	NR	0.052	0.6
Nickel	30	310	14	11	NR	18.8	8.2
Potassium	NS	NS	1,300	1,330	NR	1,490	840
Selenium	3.9	180	0.34 J	0.23 J	NR	0.98 J	0.35 J
Silver	2	180	0.12 J	0.42 U	NR	0.43 U	0.38 U
Sodium	NS	NS	63.7 J	126	NR	239	164
Thallium	NS	NS	0.13 J	0.09 J	NR	0.3 J	0.079 J
Vanadium	NS	NS	27.3	16.6	NR	30.2	15.9
Zinc	109	10,000	136	1,570	NR	96.2	254

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-X1_6-8_20240506 460-303359-8 5/06/2024 mg/kg 1	RI-SB-06_4-6_20240506 460-303359-10 5/06/2024 mg/kg 1	RI-SB-06_6-8_20240506 460-303359-11 5/06/2024 mg/kg 1	RI-SB-07_0-2_20240506 460-303359-5 5/06/2024 mg/kg 1	RI-SB-07_4-6_20240506 460-303359-6 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,830	11,100	5,770	6,310	10,900
Antimony	NS	NS	1 U	1.1 UJ	0.96 U	0.2 J	0.96 U
Arsenic	13	16	2.2	1.9	1.3	4.4	1.4
Barium	350	400	53.5	70.2	50.9	112	119
Beryllium	7.2	72	0.18 J	0.34 J	0.15 J	0.26 J	0.24 J
Cadmium	2.5	4.3	1 U	1.1 U	0.96 U	0.36 J	0.96 U
Calcium	NS	NS	13,800	1,950 JK	14,900	72,900	13,700
Chromium, Hexavalent	1	110	2.1 U	2.1 U	2.1 U	2 U	2 U
Chromium, Total	NS	NS	15.2	17.1	12.2	13.4	22.5
Cobalt	NS	NS	4.5	6.1	4.8	4.7	10.2
Copper	50	270	18.9	13 JK	16.3	29.3	25.3
Cyanide	27	27	0.23 U	0.25 U	0.24 U	0.24 U	0.25 U
Iron	NS	NS	11,500	15,700	11,500	11,800	22,100
Lead	63	400	35.2 J	39.2	10 J	201	4
Magnesium	NS	NS	9,620	3,600	10,800	35,700	10,300
Manganese	1,600	2,000	127	177	228	198	158
Mercury	0.18	0.81	0.039	0.044	0.015 J	0.18	0.016 U
Nickel	30	310	9.6	11.5	10.2	10.3	19
Potassium	NS	NS	1,400	1,260 J	1,820	1,450	5,560
Selenium	3.9	180	0.19 J	0.43 J	1.2 U	0.32 J	1.2 U
Silver	2	180	0.4 U	0.42 U	0.38 U	0.12 J	0.39 U
Sodium	NS	NS	147	126	122	171	151
Thallium	NS	NS	0.076 J	0.12 J	0.09 J	0.11 J	0.23 J
Vanadium	NS	NS	19.9	24.9 JK	18	19.1	35.6
Zinc	109	10,000	47.8	43.5	24.9	141	43.8

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-07_6-8_20240506 460-303359-7 5/06/2024 mg/kg 1	RI-SB-X2_20240510 460-303658-4 5/10/2024 mg/kg 1	RI-SB-08_1.5-3.5_20240510 460-303658-3 5/10/2024 mg/kg 1	RI-SB-09_0-2_20240507 460-303419-1 5/07/2024 mg/kg 1	RI-SB-09_4-6_20240507 460-303419-2 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	5,190	10,300	9,930	9,490	5,860
Antimony	NS	NS	1 U	0.82 UJ	0.84 UJ	0.98 U	0.92 U
Arsenic	13	16	7.6	1.6	1.5	2.3	3.5
Barium	350	400	39.7	112	103	139	63.9
Beryllium	7.2	72	0.22 J	0.35	0.34	0.32 J	0.24 J
Cadmium	2.5	4.3	1 U	0.14 J	0.13 J	0.11 J	0.13 J
Calcium	NS	NS	47,900	14,400	20,800	45,600	38,100
Chromium, Hexavalent	1	110	2.2 U	2.2 U	2.1 U	2 U	2 U
Chromium, Total	NS	NS	9.9	21.2	20.3	94.9	13.8
Cobalt	NS	NS	4.3	8.4	8	7.6	5
Copper	50	270	16.9	20.4	19.8	17.7	24.3
Cyanide	27	27	0.24 U	0.25 U	0.24 U	0.23	0.2 U
Iron	NS	NS	11,200	17,400	16,500	11,200	11,400
Lead	63	400	6.8	71.8	49.9	23.5	53.7
Magnesium	NS	NS	8,670	9,180	10,000	10,800	11,500
Manganese	1,600	2,000	128	177	178	161	149
Mercury	0.18	0.81	0.019 U	0.065 JK	0.039 JK	0.017 U	0.061
Nickel	30	310	8.6	17	15.4	34.5	9.2
Potassium	NS	NS	2,070	4,180	4,160	2,650	1,310
Selenium	3.9	180	1.5	0.3 J	0.28 J	0.17 J	1.1 U
Silver	2	180	0.42 U	0.33 UJ	0.34 UJ	0.39 U	0.37 U
Sodium	NS	NS	161	2,110 JL	1,360 JL	160	212
Thallium	NS	NS	0.14 J	0.21 J	0.21 J	0.17 J	0.091 J
Vanadium	NS	NS	17.1	32.5	30.7	29.9	29.9
Zinc	109	10,000	22.4	74.1	63.4	39.7	52.5

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-09_6-8_20240507 460-303419-3 5/07/2024 mg/kg 1	RI-SB-09_9-11_20240507 460-303419-4 5/07/2024 mg/kg 1	RI-SB-10_0-2_20240507 460-303419-11 5/07/2024 mg/kg 1	RI-SB-10_SURFACE_20240507 460-303419-13 5/07/2024 mg/kg 1	RI-SB-10_4-6_20240507 460-303419-12 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	9,910	5,060	6,840	7,040	8,690
Antimony	NS	NS	0.9 U	0.93 U	0.21 J	0.35 J	0.16 J
Arsenic	13	16	2.1	0.61 J	6.1	6.4	2.6
Barium	350	400	91.6	52.2	226	155	70.3
Beryllium	7.2	72	0.18 J	0.17 J	0.31 J	0.34 J	0.21 J
Cadmium	2.5	4.3	0.9 U	0.93 U	0.84 J	0.85 J	0.4 J
Calcium	NS	NS	1,870	9,270	33,500	2,240	2,870
Chromium, Hexavalent	1	110	2 U	1.9 U	1.9 U	1.9 U	2 U
Chromium, Total	NS	NS	20.5	10.9	18	21.5	21.2
Cobalt	NS	NS	8.1	4.6	4.3	4.6	8.7
Copper	50	270	47.2	14.5	22.8	27	52.1
Cyanide	27	27	0.22 U	0.23 U	0.24 U	0.2 U	0.22 U
Iron	NS	NS	26,800	11,000	10,300	10,900	17,800
Lead	63	400	1.7	2.4	267	273	133
Magnesium	NS	NS	6,370	7,170	18,100	2,060	5,310
Manganese	1,600	2,000	282	199	228	229	194
Mercury	0.18	0.81	0.016 U	0.016 U	0.23	0.27	0.032
Nickel	30	310	14.9	8.9	10.3	12	17
Potassium	NS	NS	3,850	2,050	793	607	2,580
Selenium	3.9	180	1.1 U	1.2 U	0.27 J	0.37 J	0.18 J
Silver	2	180	0.36 U	0.37 U	0.24 J	0.27 J	0.1 J
Sodium	NS	NS	55.3 J	152	114	64.8 J	112
Thallium	NS	NS	0.2 J	0.11 J	0.12 J	0.1 J	0.18 J
Vanadium	NS	NS	52.9	16.6	25.3	24.3	28.6
Zinc	109	10,000	45	20.6	187	207	215

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-10_8-10_20240507 460-303419-14 5/07/2024 mg/kg 1	RI-SB-11_0-2_20240507 460-303419-6 5/07/2024 mg/kg 1	RI-SB-11_SURFACE_20240507 460-303419-5 5/07/2024 mg/kg 1	RI-SB-11_5-7_20240507 460-303419-7 5/07/2024 mg/kg 1	RI-SB-11_8-10_20240507 460-303419-8 5/07/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	3,760	8,790	8,340	8,200	4,860
Antimony	NS	NS	0.98 U	0.32 JL	0.37 J	0.28 J	0.93 U
Arsenic	13	16	0.65 J	4.7	4.2	4.5	1.9
Barium	350	400	21.6	254	103	431	35.2
Beryllium	7.2	72	0.13 J	0.43	0.34 J	0.47	0.23 J
Cadmium	2.5	4.3	0.98 U	0.64 J	0.6 J	0.46 J	0.93 U
Calcium	NS	NS	885	9,990 J	3,560	7,830	56,400
Chromium, Hexavalent	1	110	2 U	2 U	2 U	2 U	2 U
Chromium, Total	NS	NS	6.6	17.7	20.1	16	10.6
Cobalt	NS	NS	2.6	5.8	5.2	6	4.9
Copper	50	270	5	33 JL	24.7	44.6	10.2
Cyanide	27	27	0.2 U	0.24 U	0.14 J	0.13 J	0.48
Iron	NS	NS	7,060	13,400	13,200	13,900	10,500
Lead	63	400	2	405	219	1,080	3.6
Magnesium	NS	NS	1,770	3,890	2,480	3,420	5,110
Manganese	1,600	2,000	62.2	208 J	282	152	127
Mercury	0.18	0.81	0.017 U	0.22	0.29	0.11	0.017 U
Nickel	30	310	5.4	12.7	12.6	13	9.4
Potassium	NS	NS	1,180	1,610	975	1,450	1,580
Selenium	3.9	180	0.24 J	0.45 J	0.43 J	0.72 J	0.25 J
Silver	2	180	0.39 U	0.19 J	0.22 J	0.21 J	0.37 U
Sodium	NS	NS	103	198	113	381	169
Thallium	NS	NS	0.057 J	0.17 J	0.12 J	0.14 J	0.13 J
Vanadium	NS	NS	9.4	25.3	22.9	21.7	14.2
Zinc	109	10,000	14.6	255	173	221	21.9

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-12_0.5-2.5_20240510 460-303658-5 5/10/2024 mg/kg 1	RI-SB-13_1.5-3.5_20240513 460-303833-3 5/13/2024 mg/kg 1	RI-SB-14_0-2_20240506 460-303359-12 5/06/2024 mg/kg 1	RI-SB-14_4-6_20240506 460-303359-14 5/06/2024 mg/kg 1	RI-SB-14_6-8_20240506 460-303359-15 5/06/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	9,560	11,000	10,700	4,130	6,280
Antimony	NS	NS	0.77 U	1.7	0.96 U	0.91 U	0.99 U
Arsenic	13	16	2.1	2.8	1.6	0.54 J	0.68 J
Barium	350	400	141	110	67.6	24.7	51.9
Beryllium	7.2	72	0.4	0.39	0.32 J	0.11 J	0.18 J
Cadmium	2.5	4.3	0.21 J	0.21 J	0.96 U	0.91 U	0.99 U
Calcium	NS	NS	9,910	14,900	1,690	3,120	1,390
Chromium, Hexavalent	1	110	2.2 U	2.5 U	2 U	2 U	2.1 U
Chromium, Total	NS	NS	19.1	22.4	40.6	5.3	12
Cobalt	NS	NS	6.8	8	8.1	3.8	5.3
Copper	50	270	21.2	20.9	17.7	10.2	13.5
Cyanide	27	27	0.26 U	0.24 U	0.23 U	0.22 U	0.26 U
Iron	NS	NS	15,600	18,700	20,500	8,330	11,300
Lead	63	400	123	285	13.1	2.1	3.3
Magnesium	NS	NS	6,070	7,580	3,930	1,830	2,990
Manganese	1,600	2,000	213	397	471	82.3	70.9
Mercury	0.18	0.81	0.2	0.43	0.015 J	0.016 U	0.017 U
Nickel	30	310	13.3	15.8	14.1	5.7	11.2
Potassium	NS	NS	2,220	2,550	2,330	1,060	2,750
Selenium	3.9	180	0.39 J	0.3 J	0.14 J	1.1 U	1.2 U
Silver	2	180	0.069 J	0.091 J	0.38 U	0.36 U	0.4 U
Sodium	NS	NS	288	256	84.9 J	323	287
Thallium	NS	NS	0.16 J	0.16 J	0.13 J	0.048 J	0.12 J
Vanadium	NS	NS	28.5	32.5	26.9	15	17.8
Zinc	109	10,000	91.2	99	38	15.4	25.5

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 mg/kg 1	RI-SB-01A_0-0.2_20240729 460-308477-5 7/29/2024 mg/kg 2	RI-SB-01A_0-2_20240729 460-308477-6 7/29/2024 mg/kg 1	RI-SB-01A_6-8_20240729 460-308477-7 7/29/2024 mg/kg 1	RI-SB-01A_10-12_20240729 460-308477-8 7/29/2024 mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	7,340	NR	11,700	13,100	11,000
Antimony	NS	NS	0.55 J	NR	0.14 J	0.98 U	1.1 U
Arsenic	13	16	9.7	NR	3.3	5.8	1.4
Barium	350	400	129	NR	126	108	113
Beryllium	7.2	72	0.32 J	NR	0.4	0.64	0.35 J
Cadmium	2.5	4.3	0.3 J	NR	0.28 J	0.48 J	1.1 U
Calcium	NS	NS	9,570	NR	12,200	2,860	9,160
Chromium, Hexavalent	1	110	2.1 U	NR	2.1 U	2.3 U	2.4 U
Chromium, Total	NS	NS	20.9	NR	22.5	23.6	23.2
Cobalt	NS	NS	8.6	NR	7.4	12.3	9.7
Copper	50	270	42.1	NR	26.7	16	19.7
Cyanide	27	27	0.2 U	NR	0.21 U	0.28 U	0.26 U
Iron	NS	NS	NR	58,600	19,400	33,500	18,500
Lead	63	400	351	NR	219	11.1	6.7
Magnesium	NS	NS	4,520	NR	7,110	4,440	10,100
Manganese	1,600	2,000	299	NR	208	419	174
Mercury	0.18	0.81	0.086	NR	0.079	0.035	0.019 U
Nickel	30	310	20.1	NR	15.8	17.5	20
Potassium	NS	NS	1,370	NR	2,820	1,680	4,080
Selenium	3.9	180	0.4 J	NR	0.51 J	0.43 J	1.4 U
Silver	2	180	0.35 U	NR	0.15 J	0.39 U	0.44 U
Sodium	NS	NS	147	NR	268	243	191
Thallium	NS	NS	0.11 J	NR	0.19 J	0.18 J	0.21 J
Vanadium	NS	NS	21.8	NR	33.1	41.3	31.9
Zinc	109	10,000	137	NR	115	71.7	53.5

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-SB-14A_0-2_20240729 460-308477-1 7/29/2024 mg/kg 1	RI-SB-14A_4-6_20240729 460-308477-2 7/29/2024 mg/kg 1	RI-SB-X_20240729 460-308477-4 7/29/2024 mg/kg 1	RI-SB-14A_6-8_20240729 460-308477-3 7/29/2024 mg/kg 1	RI-FB-01_20240506 460-303359-16 5/06/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	6,220	8,410	5,640	5,930	25.6 J
Antimony	NS	NS	1 U	0.16 J	0.97 U	1.1 U	2 U
Arsenic	13	16	2.9	3.1	0.86 J	0.7 J	2 U
Barium	350	400	315	158	53.7	43.2	13.5
Beryllium	7.2	72	0.23 J	0.34 J	0.22 J	0.21 J	0.8 U
Cadmium	2.5	4.3	0.23 J	0.49 J	0.97 U	1.1 U	2 U
Calcium	NS	NS	48,500	57,800	36,000	28,400	5,840
Chromium, Hexavalent	1	110	2 U	2.1 U	2.2 U	2.2 U	10 U
Chromium, Total	NS	NS	14.7	20.3	12.7	12	4 U
Cobalt	NS	NS	5.9	4.7	5.3	5.4	4 U
Copper	50	270	27.7	13	12	14.5	146
Cyanide	27	27	0.24 U	0.22 U	0.22 U	0.23 U	10 U
Iron	NS	NS	12,700	11,900	11,300	11,900	75.3 J
Lead	63	400	50.7	159	8.9	3.2	1.2 U
Magnesium	NS	NS	16,200	27,500	4,160	6,370	1,960
Manganese	1,600	2,000	190	192	119	133	8.9
Mercury	0.18	0.81	0.055	0.19	0.018 U	0.018 U	0.2 U
Nickel	30	310	11.6	10	9.6	9.6	4 U
Potassium	NS	NS	2,620	978	2,200	2,030	655
Selenium	3.9	180	0.19 J	0.27 J	1.2 U	1.3 U	2.5 U
Silver	2	180	0.4 U	0.36 U	0.39 U	0.43 U	2 U
Sodium	NS	NS	149	263	164	173	10,200
Thallium	NS	NS	0.14 J	0.1 J	0.11 J	0.13 J	0.8 U
Vanadium	NS	NS	20.5	22.3	17.6	16.9	4 U
Zinc	109	10,000	169	154	25.4	22.3	10.6 J

Table 2E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			RI-FB-02_20240510 460-303658-2 5/10/2024 µg/L 1	RI-SB-FB-01_20240729 460-308477-10 7/29/2024 µg/L 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q
Aluminum	NS	NS	40 U	40 U
Antimony	NS	NS	2 U	2 U
Arsenic	13	16	2 U	2 U
Barium	350	400	4 U	4 U
Beryllium	7.2	72	0.8 U	0.8 U
Cadmium	2.5	4.3	2 U	2 U
Calcium	NS	NS	500 U	500 U
Chromium, Hexavalent	1	110	10 U	10 U
Chromium, Total	NS	NS	4 U	4 U
Cobalt	NS	NS	4 U	4 U
Copper	50	270	4 U	4 U
Cyanide	27	27	10 U	10 U
Iron	NS	NS	120 U	120 U
Lead	63	400	1.2 U	1.2 U
Magnesium	NS	NS	200 U	200 U
Manganese	1,600	2,000	8 U	8 U
Mercury	0.18	0.81	0.2 U	0.2 U
Nickel	30	310	4 U	4 U
Potassium	NS	NS	200 U	200 U
Selenium	3.9	180	2.5 U	2.5 U
Silver	2	180	2 U	2 U
Sodium	NS	NS	500 U	500 U
Thallium	NS	NS	0.8 U	0.8 U
Vanadium	NS	NS	4 U	4 U
Zinc	109	10,000	16 U	16 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-01_0-2_20240508 460-303515-2 5/08/2024 1 ppb	RI-SB-01_SURFACE_20240508 460-303515-1 5/08/2024 1 ppb	RI-SB-01_2-4_20240508 460-303515-3 5/08/2024 1 ppb	RI-SB-01_6-8_20240508 460-303515-4 5/08/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	5.6 U	6.54 U	6.01 U	5.74 U
3-Perfluoroheptyl propanoic acid	NS	NS	5.6 U	6.54 U	6.01 U	5.74 U
3-Perfluoropropyl propanoic acid	NS	NS	1.12 U	1.31 U	1.2 U	1.15 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
6:2 Fluorotelomer sulfonate	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
8:2 Fluorotelomer sulfonate	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.15 J	0.099 J	0.24 U	0.23 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.24 U	2.62 U	2.4 U	2.29 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.24 U	2.62 U	2.4 U	2.29 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.45 U	0.52 U	0.48 U	0.46 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.45 U	0.52 U	0.48 U	0.46 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.45 U	0.52 U	0.48 U	0.46 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.45 U	0.52 U	0.48 U	0.46 U
Perfluorobutanesulfonic acid	NS	NS	0.16 J	0.15 J	0.24 U	0.23 U
Perfluorobutanoic acid	NS	NS	0.9 U	1.05 U	0.96 U	0.92 U
Perfluorodecanesulfonic acid	NS	NS	0.1 J	0.11 J	0.24 U	0.23 U
Perfluorodecanoic acid	NS	NS	0.14 J	0.1 J	0.24 U	0.23 U
Perfluorododecanesulfonic acid	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
Perfluorododecanoic acid	NS	NS	0.074 J	0.099 J	0.24 U	0.23 U
Perfluoroheptanesulfonic acid	NS	NS	0.22 U	0.26 U	0.072 J	0.23 U
Perfluoroheptanoic acid	NS	NS	0.16 J	0.14 J	0.11 J	0.23 U
Perfluorohexanesulfonic acid	NS	NS	0.22 U	0.26 U	0.072 J	0.23 U
Perfluorohexanoic acid	NS	NS	0.39	0.29	0.24	0.23 U
Perfluorononanesulfonic acid	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
Perfluorononanoic acid	NS	NS	0.37	0.25 J	0.16 J	0.23 U
Perfluorooctanesulfonamide	NS	NS	0.16 J	0.085 J	0.24 U	0.23 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.67	0.39	2.07	0.076 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.31	0.28	0.54	0.063 J
Perfluoropentanoic acid	NS	NS	0.4 J	0.34 J	0.2 J	0.46 U
Perfluoropentanesulfonic acid	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
Perfluorotetradecanoic acid	NS	NS	0.22 U	0.26 U	0.24 U	0.23 U
Perfluorotridecanoic acid	NS	NS	0.22 UJ	0.26 UJ	0.24 UJ	0.23 UJ
Perfluoroundecanoic acid	NS	NS	0.11 J	0.11 J	0.24 U	0.23 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-01_10-12_20240508 460-303515-5 5/08/2024 1 ppb	RI-SB-02_1-3_20240513 460-303881-2 5/13/2024 1 ppb	RI-SB-03_1-3_20240513 460-303881-1 5/13/2024 1 ppb	RI-SB-04_0-2_20240507 460-303424-9 5/07/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	5.81 U	5.51 U	6.02 U	4.94 U
3-Perfluoroheptyl propanoic acid	NS	NS	5.81 U	5.51 U	6.02 U	4.94 U
3-Perfluoropropyl propanoic acid	NS	NS	1.16 U	1.1 U	1.2 U	0.99 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
6:2 Fluorotelomer sulfonate	NS	NS	0.93 U	0.88 UJ	0.96 UJ	0.79 U
8:2 Fluorotelomer sulfonate	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.32 U	2.2 U	2.41 U	1.98 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.32 U	2.2 U	2.41 U	1.98 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.46 U	0.44 U	0.48 U	0.4 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.46 U	0.44 U	0.48 U	0.4 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.46 U	0.44 U	0.48 U	0.4 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.46 U	0.44 U	0.48 U	0.4 U
Perfluorobutanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorobutanoic acid	NS	NS	0.93 U	0.88 U	0.96 U	0.79 U
Perfluorodecanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorodecanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorododecanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorododecanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluoroheptanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluoroheptanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorohexanesulfonic acid	NS	NS	0.23 U	0.22 U	0.077 J	0.2 U
Perfluorohexanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorononanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorononanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorooctanesulfonamide	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.23 U	0.22 U	0.29	0.2
Perfluorooctanoic acid (PFOA)	0.66	33	0.23 U	0.22 U	0.094 J	0.2 U
Perfluoropentanoic acid	NS	NS	0.46 U	0.44 U	0.48 U	0.4 U
Perfluoropentanesulfonic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorotetradecanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U
Perfluorotridecanoic acid	NS	NS	0.23 UJ	0.22 U	0.24 U	0.2 UJ
Perfluoroundecanoic acid	NS	NS	0.23 U	0.22 U	0.24 U	0.2 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-04_4-6_20240507 460-303424-10 5/07/2024 1 ppb	RI-SB-05_0-2_20240506 460-303403-1 5/06/2024 1 ppb	RI-SB-05_SURFACE_20240506 460-303403-2 5/06/2024 1 ppb	RI-SB-05_2-4_20240506 460-303403-4 5/06/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	5.28 U	5.21 U	5.92 U	5.21 U
3-Perfluoroheptyl propanoic acid	NS	NS	5.28 U	5.21 U	5.92 U	5.21 U
3-Perfluoropropyl propanoic acid	NS	NS	1.06 U	1.04 U	1.18 U	1.04 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
6:2 Fluorotelomer sulfonate	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
8:2 Fluorotelomer sulfonate	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.84 U	0.83 U	0.95 U	0.83 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.11 U	2.09 U	2.37 U	2.08 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.11 U	2.09 U	2.37 U	2.08 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.42 U	0.42 U	0.47 U	0.42 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.42 U	0.42 U	0.47 U	0.42 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.42 U	0.42 U	0.47 U	0.42 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.42 U	0.42 U	0.47 U	0.42 U
Perfluorobutanesulfonic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluorobutanoic acid	NS	NS	0.84 U	0.21 J	0.95 U	0.83 U
Perfluorodecanesulfonic acid	NS	NS	0.21 U	0.21 U	0.094 J	0.21 U
Perfluorodecanoic acid	NS	NS	0.21 U	0.13 J	0.24	0.21 U
Perfluorododecanesulfonic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluorododecanoic acid	NS	NS	0.21 U	0.063 J	0.15 J	0.21 U
Perfluoroheptanesulfonic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluoroheptanoic acid	NS	NS	0.21 U	0.11 J	0.088 J	0.21 U
Perfluorohexanesulfonic acid	NS	NS	0.21 U	0.06 J	0.066 J	0.053 J
Perfluorohexanoic acid	NS	NS	0.21 U	0.18 J	0.12 J	0.063 J
Perfluorononanesulfonic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluorononanoic acid	NS	NS	0.21 U	0.21	0.2 J	0.21 U
Perfluorooctanesulfonamide	NS	NS	0.21 U	0.21 U	0.12 J	0.21 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.065 J	3.81	5.56	1.72
Perfluorooctanoic acid (PFOA)	0.66	33	0.059 J	0.53	0.35	0.15 J
Perfluoropentanoic acid	NS	NS	0.42 U	0.2 J	0.13 J	0.42 U
Perfluoropentanesulfonic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluorotetradecanoic acid	NS	NS	0.21 U	0.21 U	0.24 U	0.21 U
Perfluorotridecanoic acid	NS	NS	0.21 UJ	0.21 U	0.06 J	0.21 U
Perfluoroundecanoic acid	NS	NS	0.21 U	0.09 J	0.2 J	0.21 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-05_4-6_20240506 460-303403-3 5/06/2024 1 ppb	RI-SB-06_0-2_20240506 460-303403-9 5/06/2024 1 ppb	RI-SB-X1_6-8_20240506 460-303403-8 5/06/2024 1 ppb	RI-SB-06_4-6_20240506 460-303403-10 5/06/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	6.79 U	6.32 U	6.32 U	5.57 U
3-Perfluoroheptyl propanoic acid	NS	NS	6.79 U	6.32 U	6.32 U	5.57 U
3-Perfluoropropyl propanoic acid	NS	NS	1.36 U	1.26 U	1.26 U	1.11 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
6:2 Fluorotelomer sulfonate	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
8:2 Fluorotelomer sulfonate	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
Hexafluoropropylene oxide dimer acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.72 U	2.53 U	2.53 U	2.23 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.72 U	2.53 U	2.53 U	2.23 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.54 U	0.51 U	0.51 U	0.45 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.54 U	0.51 U	0.51 U	0.45 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.54 U	0.51 U	0.51 U	0.45 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.54 U	0.51 U	0.51 U	0.45 U
Perfluorobutanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorobutanoic acid	NS	NS	1.09 U	1.01 U	1.01 U	0.89 U
Perfluorodecanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorodecanoic acid	NS	NS	0.27 U	0.086 J	0.25 U	0.22 U
Perfluorododecanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorododecanoic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluoroheptanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluoroheptanoic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorohexanesulfonic acid	NS	NS	0.38	0.25 U	0.25 U	0.22 U
Perfluorohexanoic acid	NS	NS	0.27 U	0.1 J	0.25 U	0.22 U
Perfluorononanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorononanoic acid	NS	NS	0.27 U	0.078 J	0.25 U	0.22 U
Perfluorooctanesulfonamide	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	5.88	0.82	0.24 J	0.15 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.3	0.27	0.17 J	0.088 J
Perfluoropentanoic acid	NS	NS	0.54 U	0.51 U	0.51 U	0.45 U
Perfluoropentanesulfonic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorotetradecanoic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluorotridecanoic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U
Perfluoroundecanoic acid	NS	NS	0.27 U	0.25 U	0.25 U	0.22 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-06_6-8_20240506 460-303403-11 5/06/2024 1 ppb	RI-SB-07_0-2_20240506 460-303403-5 5/06/2024 1 ppb	RI-SB-07_4-6_20240506 460-303403-6 5/06/2024 1 ppb	RI-SB-07_6-8_20240506 460-303403-7 5/06/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	6.33 U	4.56 U	5.29 U	4.83 U
3-Perfluoroheptyl propanoic acid	NS	NS	6.33 U	4.56 U	5.29 U	4.83 U
3-Perfluoropropyl propanoic acid	NS	NS	1.27 U	0.91 U	1.06 U	0.97 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
6:2 Fluorotelomer sulfonate	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
8:2 Fluorotelomer sulfonate	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
Hexafluoropropylene oxide dimer acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.53 U	1.82 U	2.12 U	1.93 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.53 U	1.82 U	2.12 U	1.93 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.51 U	0.36 U	0.42 U	0.39 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.51 U	0.36 U	0.42 U	0.39 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.51 U	0.36 U	0.42 U	0.39 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.51 U	0.36 U	0.42 U	0.39 U
Perfluorobutanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorobutanoic acid	NS	NS	1.01 U	0.73 U	0.85 U	0.77 U
Perfluorodecanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorodecanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorododecanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorododecanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluoroheptanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluoroheptanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorohexanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorohexanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorononanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorononanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorooctanesulfonamide	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.76 J	0.21	0.21 U	0.19 U
Perfluorooctanoic acid (PFOA)	0.66	33	0.15 J	0.18 U	0.21 U	0.19 U
Perfluoropentanoic acid	NS	NS	0.51 U	0.36 U	0.42 U	0.39 U
Perfluoropentanesulfonic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorotetradecanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluorotridecanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U
Perfluoroundecanoic acid	NS	NS	0.25 U	0.18 U	0.21 U	0.19 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-X2_20240510 460-303681-2 5/10/2024 1 ppb	RI-SB-08_1.5-3.5_20240510 460-303681-1 5/10/2024 1 ppb	RI-SB-09_0-2_20240507 460-303424-1 5/07/2024 1 ppb	RI-SB-09_4-6_20240507 460-303424-2 5/07/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	5.48 U	5.44 U	4.57 U	4.76 U
3-Perfluoroheptyl propanoic acid	NS	NS	5.48 U	5.44 U	4.57 U	4.76 U
3-Perfluoropropyl propanoic acid	NS	NS	1.1 U	1.09 U	0.91 U	0.95 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
6:2 Fluorotelomer sulfonate	NS	NS	0.4 J	0.87 UJ	0.73 U	0.76 U
8:2 Fluorotelomer sulfonate	NS	NS	0.62 J	0.87 UJ	0.73 U	0.76 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.19 U	2.18 U	1.83 U	1.9 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.19 U	2.18 U	1.83 U	1.9 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.44 U	0.44 U	0.37 U	0.38 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.44 U	0.44 U	0.37 U	0.38 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.44 U	0.44 U	0.37 U	0.38 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.44 U	0.44 U	0.37 U	0.38 U
Perfluorobutanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorobutanoic acid	NS	NS	0.88 U	0.87 U	0.73 U	0.76 U
Perfluorodecanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorodecanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorododecanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorododecanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluoroheptanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluoroheptanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorohexanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorohexanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorononanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorononanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorooctanesulfonamide	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.23	0.22	0.18 U	0.19
Perfluorooctanoic acid (PFOA)	0.66	33	0.22 U	0.22 U	0.18 U	0.058 J
Perfluoropentanoic acid	NS	NS	0.44 U	0.44 U	0.37 U	0.38 U
Perfluoropentanesulfonic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorotetradecanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U
Perfluorotridecanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 UJ
Perfluoroundecanoic acid	NS	NS	0.22 U	0.22 U	0.18 U	0.19 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-09_6-8_20240507 460-303424-3 5/07/2024 1 ppb	RI-SB-09_9-11_20240507 460-303424-4 5/07/2024 1 ppb	RI-SB-10_0-2_20240507 460-303424-11 5/07/2024 1 ppb	RI-SB-10_SURFACE_20240507 460-303424-13 5/07/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	4.92 U	4.8 U	5.38 U	5.87 U
3-Perfluoroheptyl propanoic acid	NS	NS	4.92 U	4.8 U	5.38 U	5.87 U
3-Perfluoropropyl propanoic acid	NS	NS	0.98 U	0.96 U	1.08 U	1.17 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
6:2 Fluorotelomer sulfonate	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
8:2 Fluorotelomer sulfonate	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.79 U	0.77 U	0.86 U	0.94 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.2 U	0.19 U	0.098 J	0.088 J
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	1.97 U	1.92 U	2.15 U	2.35 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	1.97 U	1.92 U	2.15 U	2.35 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.39 U	0.38 U	0.43 U	0.47 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.39 U	0.38 U	0.43 U	0.47 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.39 U	0.38 U	0.43 U	0.47 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.39 U	0.38 U	0.43 U	0.47 U
Perfluorobutanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluorobutanoic acid	NS	NS	0.79 U	0.77 U	0.31 J	0.29 J
Perfluorodecanesulfonic acid	NS	NS	0.2 U	0.19 U	0.065 J	0.086 J
Perfluorodecanoic acid	NS	NS	0.2 U	0.19 U	0.25	0.34
Perfluorododecanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluorododecanoic acid	NS	NS	0.2 U	0.19 U	0.13 J	0.19 J
Perfluoroheptanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluoroheptanoic acid	NS	NS	0.2 U	0.19 U	0.12 J	0.15 J
Perfluorohexanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluorohexanoic acid	NS	NS	0.2 U	0.19 U	0.17 J	0.16 J
Perfluorononanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluorononanoic acid	NS	NS	0.2 U	0.19 U	0.34	0.42
Perfluorooctanesulfonamide	NS	NS	0.2 U	0.19 U	0.22 U	0.09 J
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.074 J	0.19 U	1.85	2.19
Perfluorooctanoic acid (PFOA)	0.66	33	0.2 U	0.19 U	0.4	0.44
Perfluoropentanoic acid	NS	NS	0.39 U	0.38 U	0.17 J	0.18 J
Perfluoropentanesulfonic acid	NS	NS	0.2 U	0.19 U	0.22 U	0.23 U
Perfluorotetradecanoic acid	NS	NS	0.2 U	0.19 U	0.054 J	0.078 J
Perfluorotridecanoic acid	NS	NS	0.2 UJ	0.19 UJ	0.065 J	0.099 J
Perfluoroundecanoic acid	NS	NS	0.2 U	0.19 U	0.24	0.33

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-10_4-6_20240507 460-303424-12 5/07/2024 1 ppb	RI-SB-10_8-10_20240507 460-303424-14 5/07/2024 1 ppb	RI-SB-11_0-2_20240507 460-303424-6 5/07/2024 1 ppb	RI-SB-11_SURFACE_20240507 460-303424-5 5/07/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafuoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	4.87 U	4.68 U	4.77 U	5.69 U
3-Perfluoroheptyl propanoic acid	NS	NS	4.87 U	4.68 U	4.77 U	5.69 U
3-Perfluoropropyl propanoic acid	NS	NS	0.97 U	0.94 U	0.95 U	1.14 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
6:2 Fluorotelomer sulfonate	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
8:2 Fluorotelomer sulfonate	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.78 U	0.75 U	0.76 U	0.91 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.13 J
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	1.95 U	1.87 U	1.91 U	2.27 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	1.95 U	1.87 U	1.91 U	2.27 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.39 U	0.37 U	0.38 U	0.45 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.39 U	0.37 U	0.38 U	0.45 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.39 U	0.37 U	0.38 U	0.45 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.39 U	0.37 U	0.38 U	0.45 U
Perfluorobutanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
Perfluorobutanoic acid	NS	NS	0.78 U	0.75 U	0.76 U	0.25 J
Perfluorodecanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.13 J
Perfluorodecanoic acid	NS	NS	0.054 J	0.19 U	0.095 J	0.43
Perfluorododecanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
Perfluorododecanoic acid	NS	NS	0.19 U	0.19 U	0.049 J	0.25
Perfluoroheptanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
Perfluoroheptanoic acid	NS	NS	0.19 U	0.19 U	0.091 J	0.2 J
Perfluorohexanesulfonic acid	NS	NS	0.19 U	0.19 U	0.051 J	0.14 J
Perfluorohexanoic acid	NS	NS	0.19 U	0.19 U	0.12 J	0.23
Perfluorononanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
Perfluorononanoic acid	NS	NS	0.11 J	0.19 U	0.21	0.48
Perfluorooctanesulfonamide	NS	NS	0.19 U	0.19 U	0.19 U	0.2 J
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.75	0.065 J	2.11	4.83
Perfluorooctanoic acid (PFOA)	0.66	33	0.11 J	0.19 U	0.53	1.12
Perfluoropentanoic acid	NS	NS	0.39 U	0.37 U	0.11 J	0.25 J
Perfluoropentanesulfonic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.23 U
Perfluorotetradecanoic acid	NS	NS	0.19 U	0.19 U	0.19 U	0.078 J
Perfluorotridecanoic acid	NS	NS	0.19 UJ	0.19 UJ	0.19 UJ	0.11 J
Perfluoroundecanoic acid	NS	NS	0.19 U	0.19 U	0.068 J	0.38

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-11_5-7_20240507 460-303424-7 5/07/2024 1 ppb	RI-SB-11_8-10_20240507 460-303424-8 5/07/2024 1 ppb	RI-SB-12_0.5-2.5_20240510 460-303681-3 5/10/2024 1 ppb	RI-SB-13_1.5-3.5_20240513 460-303881-3 5/13/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	5.47 U	4.75 U	4.91 U	0.056 U
3-Perfluoroheptyl propanoic acid	NS	NS	5.47 U	4.75 U	4.91 U	0.056 U
3-Perfluoropropyl propanoic acid	NS	NS	1.09 U	0.95 U	0.98 U	0.011 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
6:2 Fluorotelomer sulfonate	NS	NS	0.87 U	0.76 U	2.95	0.009 UJ
8:2 Fluorotelomer sulfonate	NS	NS	0.87 U	0.76 U	0.8 U	0.009 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	2.19 U	1.9 U	1.96 U	0.023 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	2.19 U	1.9 U	1.96 U	0.023 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.44 U	0.38 U	0.39 U	0.0045 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.44 U	0.38 U	0.39 U	0.0045 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.44 U	0.38 U	0.39 U	0.0045 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.44 U	0.38 U	0.39 U	0.0045 U
Perfluorobutanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorobutanoic acid	NS	NS	0.87 U	0.76 U	0.79 U	0.009 U
Perfluorodecanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorodecanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorododecanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorododecanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluoroheptanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluoroheptanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorohexanesulfonic acid	NS	NS	0.22 U	0.19 U	0.083 J	0.0023 U
Perfluorohexanoic acid	NS	NS	0.22 U	0.19 U	0.069 J	0.0023 U
Perfluorononanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorononanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorooctanesulfonamide	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.092 J	0.061 J	0.2 U	0.0031
Perfluorooctanoic acid (PFOA)	0.66	33	0.059 J	0.19 U	0.08 J	0.00056 J
Perfluoropentanoic acid	NS	NS	0.44 U	0.38 U	0.39 U	0.0045 U
Perfluoropentanesulfonic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorotetradecanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U
Perfluorotridecanoic acid	NS	NS	0.22 UJ	0.19 UJ	0.2 U	0.0023 U
Perfluoroundecanoic acid	NS	NS	0.22 U	0.19 U	0.2 U	0.0023 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-14_0-2_20240506 460-303403-12 5/06/2024 1 ppb	RI-SB-14_4-6_20240506 460-303403-13 5/06/2024 1 ppb	RI-SB-14_6-8_20240506 460-303403-14 5/06/2024 1 ppb	RI-SB-01A_0-0.2_20240729 460-308519-5 7/29/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	4.47 U	4.37 U	4.52 U	4.47 U
3-Perfluoroheptyl propanoic acid	NS	NS	4.47 U	4.37 U	4.52 U	4.47 U
3-Perfluoropropyl propanoic acid	NS	NS	0.89 U	0.87 U	0.9 U	0.89 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
6:2 Fluorotelomer sulfonate	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
8:2 Fluorotelomer sulfonate	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	1.79 U	1.75 U	1.81 U	1.79 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	1.79 U	1.75 U	1.81 U	1.79 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.36 U	0.35 U	0.36 U	0.36 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.36 U	0.35 U	0.36 U	0.36 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.36 U	0.35 U	0.36 U	0.36 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.36 U	0.35 U	0.36 U	0.36 U
Perfluorobutanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.052 J
Perfluorobutanoic acid	NS	NS	0.72 U	0.7 U	0.72 U	0.72 U
Perfluorodecanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.62
Perfluorodecanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.31
Perfluorododecanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
Perfluorododecanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.16 J
Perfluoroheptanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
Perfluoroheptanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.079 J
Perfluorohexanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18
Perfluorohexanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.11 J
Perfluorononanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
Perfluorononanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.29
Perfluorooctanesulfonamide	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.13 J	0.07 J	0.18 U	1.38
Perfluorooctanoic acid (PFOA)	0.66	33	0.18 U	0.17 U	0.18 U	0.15 J
Perfluoropentanoic acid	NS	NS	0.36 U	0.35 U	0.36 U	0.13 J
Perfluoropentanesulfonic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.18 U
Perfluorotetradecanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.087 J
Perfluorotridecanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.099 J
Perfluoroundecanoic acid	NS	NS	0.18 U	0.17 U	0.18 U	0.25

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-01A_0-2_20240729 460-308519-6 7/29/2024 1 ppb	RI-SB-01A_6-8_20240729 460-308519-7 7/29/2024 1 ppb	RI-SB-01A_10-12_20240729 460-308519-8 7/29/2024 1 ppb	RI-SB-14A_0-2_20240729 460-308519-1 7/29/2024 1 ppb
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	4.67 U	5.18 U	5.1 U	4.64 U
3-Perfluoroheptyl propanoic acid	NS	NS	4.67 U	5.18 U	5.1 U	4.64 U
3-Perfluoropropyl propanoic acid	NS	NS	0.93 U	1.04 U	1.02 U	0.93 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
6:2 Fluorotelomer sulfonate	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
8:2 Fluorotelomer sulfonate	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.19 U	0.21 U	0.2 U	0.048 J
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	1.87 U	2.07 U	2.04 U	1.85 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	1.87 U	2.07 U	2.04 U	1.85 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.37 U	0.41 U	0.41 U	0.37 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.37 U	0.41 U	0.41 U	0.37 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.37 U	0.41 U	0.41 U	0.37 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.37 U	0.41 U	0.41 U	0.37 U
Perfluorobutanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorobutanoic acid	NS	NS	0.75 U	0.83 U	0.82 U	0.74 U
Perfluorodecanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorodecanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorododecanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorododecanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluoroheptanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluoroheptanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorohexanesulfonic acid	NS	NS	0.18 J	0.21 U	0.2 U	0.19 U
Perfluorohexanoic acid	NS	NS	0.064 J	0.21 U	0.2 U	0.19 U
Perfluorononanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorononanoic acid	NS	NS	0.21	0.21 U	0.2 U	0.19 U
Perfluorooctanesulfonamide	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1.16	0.21 U	0.078 J	0.082 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.13 J	0.21 U	0.2 U	0.085 J
Perfluoropentanoic acid	NS	NS	0.37 U	0.41 U	0.41 U	0.37 U
Perfluoropentanesulfonic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorotetradecanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluorotridecanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U
Perfluoroundecanoic acid	NS	NS	0.19 U	0.21 U	0.2 U	0.19 U

Table 2F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation

Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit			RI-SB-14A_4-6_20240729 460-308519-2 7/29/2024 1 ppb	RI-SB-X_20240729 460-308519-4 7/29/2024 1 ppb	RI-SB-14A_6-8_20240729 460-308519-3 7/29/2024 1 ppb	RI-FB-01_20240506 460-303403-15 5/06/2024 1 ppt
Compound	NYSDEC UUGV	NYSDEC RRGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NS	4.46 U	4.48 U	4.53 U	43.2 U
3-Perfluoroheptyl propanoic acid	NS	NS	4.46 U	4.48 U	4.53 U	43.2 U
3-Perfluoropropyl propanoic acid	NS	NS	0.89 U	0.9 U	0.91 U	8.64 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
6:2 Fluorotelomer sulfonate	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
8:2 Fluorotelomer sulfonate	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
Hexafluoropropylene oxide dimer acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
N-ethyl perfluorooctanesulfonamide	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NS	1.79 U	1.79 U	1.81 U	17.3 U
N-methyl perfluorooctanesulfonamide	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NS	1.79 U	1.79 U	1.81 U	17.3 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	NS	0.36 U	0.36 U	0.36 U	3.46 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	NS	0.36 U	0.36 U	0.36 U	3.46 U
Perfluoro-3-methoxypropanoic acid	NS	NS	0.36 U	0.36 U	0.36 U	3.46 U
Perfluoro-4-methoxybutanoic acid	NS	NS	0.36 U	0.36 U	0.36 U	3.46 U
Perfluorobutanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorobutanoic acid	NS	NS	0.71 U	0.72 U	0.72 U	6.91 U
Perfluorodecanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorodecanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorododecanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorododecanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluoroheptanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluoroheptanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorohexanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorohexanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorononanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorononanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorooctanesulfonamide	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	0.18 U	0.18 U	0.14 J	1.73 U
Perfluorooctanoic acid (PFOA)	0.66	33	0.18 U	0.18 U	0.18 U	1.73 U
Perfluoropentanoic acid	NS	NS	0.36 U	0.36 U	0.36 U	3.46 U
Perfluoropentanesulfonic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorotetradecanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluorotridecanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U
Perfluoroundecanoic acid	NS	NS	0.18 U	0.18 U	0.18 U	1.73 U

Table 3A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 2	RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	1 U	1 U	1 U	1 U	2 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U	2 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	0.75 J	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U	2 U	1 U
1,2,3-Trichlorobenzene	5	1 UJ	1 UJ	1 U	1 UJ	2 UJ	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	2 U	1 U
1,2,4-Trimethylbenzene	5	1 U	1 U	1.1	1 U	2 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U	2 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U	2 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1 U	1 U	0.47 J	1 U	2 U	1 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	2 U	1 U
2-Hexanone	50	5 U	5 U	5 U	5 U	10 U	5 U
Acetone	50	5 U	6	5 U	5 U	10 U	8.6
Benzene	1	1 U	1 U	1 U	1 U	2 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Bromodichloromethane	50	1 U	0.42 J	1 U	1 U	2 U	1 U
Bromoform	50	1 UJ	1 U	1 U	1 U	2 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	2 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	2 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	2 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Chloroform	7	5.9	6.2	1 U	1 U	0.68 J	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	6.5	37	4.1	17	1 U
Cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	2 U	1 U
Cyclohexane	NS	1 U	1 U	1 U	1 U	2 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U	2 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Ethylbenzene	5	1 U	0.6 J	1 U	1 U	2 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U	2 U	1 U
M,P-Xylenes	5	0.34 J	2.7	1 U	1 U	2 U	1 U
Methyl Acetate	NS	5 U	5 U	5 U	5 U	10 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U	10 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	10 U	5 U
Methylcyclohexane	NS	1 U	1 U	1 U	1 U	2 U	1 U
Methylene Chloride	5	0.58 J	1 U	1 U	1 U	2 U	1 U
N-Butylbenzene	5	1 U	1 U	1 U	1 U	2 U	1 U
N-Propylbenzene	5	1 UJ	1 U	1 U	1 U	2 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	1 U	1.2	1 U	1 U	2 U	1 U
Sec-Butylbenzene	5	1 U	1 U	1 U	1 U	2 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	2 U	1 U
T-Butylbenzene	5	1 UJ	1 U	1 U	1 U	2 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1 U	1	1 U	0.6 J	1 U
Tetrachloroethylene (PCE)	5	0.37 J	120	72	2.2	380	1 U
Toluene	5	1 U	1 U	1 U	1 U	2 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	2.4	1 U	2 U	1 U
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	2 U	1 U
Trichloroethylene (TCE)	5	1 U	4.9	9.2	0.92 J	6	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	2 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U	2.1	1 U
Xylenes, Total	NS	2 U	3.9	2 U	2 U	4 U	2 U

Table 3A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1	RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1	RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1	RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1
Compound	AWQSGV	CONC Q	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 U
1,1,2,2-Tetrachloroethane	5	1 U	1 UJ	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	1 U	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 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	0.29 J	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U	1 UJ	1 UJ
1,2,4-Trimethylbenzene	5	1 U	1 U	0.46 J	0.45 J	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	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 U
1,2-Dichloroethane	0.6	1 U	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 U
1,3,5-Trimethylbenzene (Mesitylene)	5	1 U	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NR	NR	NR	NR	NR	NR
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	1	1 U	0.46 J	1 U	1 U	0.21 J	1.2
Bromochloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 U	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Chloroform	7	1 U	1 U	1 U	1 U	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	75 JL	1 U	1 U	7.5	42
Cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U	1 U	0.37 J	2.1
Dibromochloromethane	50	1 U	1 U	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U	1 U	1 U
M,P-Xylenes	5	0.45 J	1 U	1 U	1 U	1 U	1 U
Methyl Acetate	NS	5 U	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	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	1 U	1 U	1 U	1 U	1 U	0.78 J
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	5	1 U	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	1 U
Sec-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	1 U	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1	1 U	1 U	1 U	1.6
Tetrachloroethylene (PCE)	5	1 U	98 JL	1 U	1 U	1 U	50
Toluene	5	1 U	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	0.71 J	1 U	1 U	1 U	0.37 J
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1 U	19	1 U	1 U	1.1	8.2
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 UJ	1 UJ
Vinyl Chloride	2	1 U	6.5	1 U	1 U	2.8	10
Xylenes, Total	NS	2 U	2 U	2 U	2 U	2 U	2 U

Table 3A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 2	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 25	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1	RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1	RI-TB_20240521 460-304422-3 5/21/2024 µg/L 1	RI-TB-05_20240807 460-309243-4 8/07/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	2 U	NR	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	2 U	NR	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	5	2 U	NR	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	2 U	NR	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	2 U	NR	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	2 U	NR	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	2 U	NR	1 U	1 UJ	1 U	1 U
1,2,4-Trichlorobenzene	5	2 U	NR	1 U	1 U	1 UJ	1 U
1,2,4-Trimethylbenzene	5	NR	890 D	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	2 U	NR	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	NR	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	2 U	NR	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	2 U	NR	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	2 U	NR	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	370	NR	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	NR	NR	NR	1 U	1 U	1 U
1,4-Dichlorobenzene	3	2 U	NR	1 U	1 U	1 U	1 U
2-Hexanone	50	10 U	NR	5 U	5 U	5 U	5 U
Acetone	50	19	NR	5 U	5 U	5 U	5 U
Benzene	1	7.2	NR	0.25 J	1 U	1 U	1 U
Bromochloromethane	5	2 U	NR	1 U	1 U	1 U	1 U
Bromodichloromethane	50	2 U	NR	1 U	1 U	1 U	1 U
Bromoform	50	2 U	NR	1 U	1 U	1 U	1 U
Bromomethane	5	2 U	NR	1 U	1 U	1 U	1 U
Carbon Disulfide	60	2 U	NR	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	2 U	NR	1 U	1 U	1 U	1 U
Chlorobenzene	5	2 U	NR	1 U	1 U	1 U	1 U
Chloroethane	5	2 U	NR	1 U	1 U	1 U	1 U
Chloroform	7	2 U	NR	1 U	1 U	1 U	1 U
Chloromethane	5	2 U	NR	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	2 U	NR	2.8	1 U	1 U	1 U
Cis-1,3-Dichloropropene	NS	2 U	NR	1 U	1 U	1 U	1 U
Cyclohexane	NS	84	NR	5.8	1 U	1 U	1 U
Dibromochloromethane	50	2 U	NR	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	2 UJ	NR	1 U	1 U	1 U	1 U
Ethylbenzene	5	200	NR	1.9	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	120	NR	22	1 U	1 U	1 U
M,P-Xylenes	5	88	NR	1.8	1 U	1 U	1 U
Methyl Acetate	NS	10 U	NR	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	11	NR	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	10 U	NR	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	79	NR	4.5	1 U	1 U	1 U
Methylene Chloride	5	2 U	NR	1 U	1 U	1 U	1 U
N-Butylbenzene	5	39	NR	3.3	1 U	1 U	1 U
N-Propylbenzene	5	300	NR	29	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	14	NR	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	22	NR	5.7	1 U	1 U	1 U
Styrene	5	2 U	NR	1 U	1 U	1 U	1 U
T-Butylbenzene	5	1.3 J	NR	0.87 J	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	0.45 J	NR	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	2 U	NR	0.26 J	1 U	1 U	1 U
Toluene	5	2 U	NR	0.72 J	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	2 U	NR	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	2 U	NR	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	2 U	NR	1 U	1 U	1 U	1 U
Trichlorofluoromethane	5	2 U	NR	1 U	1 U	1 UJ	1 U
Vinyl Chloride	2	2 U	NR	0.23 J	1 U	1 U	1 U
Xylenes, Total	NS	100	NR	1.8 J	2 U	2 U	2 U

Table 3B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of SVOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 1	RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1	RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1
Compound	AWQSGV	CONC Q	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	10 U
1,4-Dioxane (P-Dioxane)	0.35	0.2 U	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	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	2 U	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	10 U
2-Chlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 UJ	10 UJ	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	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	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	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 UJ	10 UJ	10 U	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	20 UJ	20 UJ	20 U	20 U	20 U	20 U	20 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	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	10 U
Anthracene	50	10 U	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	2 U
Benzaldehyde	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	0.002	1 U	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	1 U
Benzo(b)Fluoranthene	0.002	2 U	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	10 U
Benzo(k)Fluoranthene	0.002	1 U	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	10 U
Biphenyl (Diphenyl)	5	10 U	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	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 UJ	10 UJ	10 U	10 U	10 U	10 UJ	10 UJ
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U	1.2 J	2 U	2 U
Caprolactam	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NS	10 U	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	2 U
Dibenz(a,h)Anthracene	NS	1 U	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	10 U
Diethyl Phthalate	50	10 U	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	10 U
Di-N-Butyl Phthalate	50	10 U	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	10 U
Fluoranthene	50	10 U	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	10 U
Hexachlorobenzene	0.04	1 U	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	1 U
Hexachlorocyclopentadiene	5	10 U	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	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	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	10 U
Naphthalene	10	2 U	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	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	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	10 U
Pentachlorophenol	NS	20 U	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	10 U
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 3B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of SVOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1	RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1	RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 1	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1
Compound	AWQSGV	CONC Q	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	10 U
1,4-Dioxane (P-Dioxane)	0.35	0.2 U	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	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U	10 U	1.8 J	10 U
2,4-Dinitrophenol	10	40 U	40 U	40 U	40 U	40 U	40 U	40 U
2,4-Dinitrotoluene	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2,6-Dinitrotoluene	5	2 U	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	10 U
2-Chlorophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3- And 4- Methylphenol (Total)	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	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	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	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	10 U
4-Methylphenol (P-Cresol)	NS	10 U	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	10 U
4-Nitrophenol	NS	20 U	20 U	20 U	20 U	20 U	20 U	20 U
Acenaphthene	20	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	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	10 U
Anthracene	50	10 U	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	2 U
Benzaldehyde	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	0.002	1 U	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	1 U
Benzo(b)Fluoranthene	0.002	2 U	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	10 UT
Benzo(k)Fluoranthene	0.002	1 U	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	10 U
Biphenyl (Diphenyl)	5	10 U	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	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U	10 U	10 U	10 UJ	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U	2 U	1.3 J	2 U
Caprolactam	NS	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Carbazole	NS	10 U	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	2 U
Dibenz(a,h)Anthracene	NS	1 U	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	10 U
Diethyl Phthalate	50	10 U	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	10 U
Di-N-Butyl Phthalate	50	10 U	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	10 U
Fluoranthene	50	10 U	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	10 U
Hexachlorobenzene	0.04	1 U	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	1 U
Hexachlorocyclopentadiene	5	10 U	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	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	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	10 U
Naphthalene	10	2 U	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	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U	1 U	1 UJ	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	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	20 U
Phenanthrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Phenol	1	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U	10 U	10 U	10 U

Table 3B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of SVOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1
Compound	AWQSGV	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U
1,4-Dioxane (P-Dioxane)	0.35	0.2 U
2,3,4,6-Tetrachlorophenol	NS	10 U
2,4,5-Trichlorophenol	NS	10 U
2,4,6-Trichlorophenol	NS	10 U
2,4-Dichlorophenol	5	10 U
2,4-Dimethylphenol	50	10 U
2,4-Dinitrophenol	10	40 U
2,4-Dinitrotoluene	5	10 U
2,6-Dinitrotoluene	5	2 U
2-Chloronaphthalene	10	10 U
2-Chlorophenol	NS	10 U
2-Methylnaphthalene	NS	10 U
2-Methylphenol (O-Cresol)	NS	10 U
2-Nitroaniline	5	10 UJ
2-Nitrophenol	NS	10 U
3- And 4- Methylphenol (Total)	NS	10 U
3,3'-Dichlorobenzidine	5	10 U
3-Nitroaniline	5	10 UJ
4,6-Dinitro-2-Methylphenol	NS	20 U
4-Bromophenyl Phenyl Ether	NS	10 U
4-Chloro-3-Methylphenol	NS	10 U
4-Chloroaniline	5	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U
4-Methylphenol (P-Cresol)	NS	10 U
4-Nitroaniline	5	10 UJ
4-Nitrophenol	NS	20 UJ
Acenaphthene	20	10 U
Acenaphthylene	NS	10 U
Acetophenone	NS	10 U
Anthracene	50	10 U
Atrazine	7.5	2 U
Benzaldehyde	NS	10 U
Benzo(a)Anthracene	0.002	1 U
Benzo(a)Pyrene	ND	1 U
Benzo(b)Fluoranthene	0.002	2 U
Benzo(g,h,i)Perylene	NS	10 U
Benzo(k)Fluoranthene	0.002	1 U
Benzyl Butyl Phthalate	50	10 U
Biphenyl (Diphenyl)	5	10 U
Bis(2-Chloroethoxy) Methane	5	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U
Bis(2-Chloroisopropyl) Ether	5	10 UJ
Bis(2-Ethylhexyl) Phthalate	5	2 U
Caprolactam	NS	10 U
Carbazole	NS	10 U
Chrysene	0.002	2 U
Dibenz(a,h)Anthracene	NS	1 U
Dibenzofuran	NS	10 U
Diethyl Phthalate	50	10 U
Dimethyl Phthalate	50	10 U
Di-N-Butyl Phthalate	50	10 U
Di-N-Octylphthalate	50	10 U
Fluoranthene	50	10 U
Fluorene	50	10 U
Hexachlorobenzene	0.04	1 U
Hexachlorobutadiene	0.5	1 U
Hexachlorocyclopentadiene	5	10 U
Hexachloroethane	5	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U
Isophorone	50	10 U
Naphthalene	10	2 U
Nitrobenzene	0.4	1 U
N-Nitrosodi-N-Propylamine	NS	1 U
N-Nitrosodiphenylamine	50	10 U
Pentachlorophenol	NS	20 U
Phenanthrene	50	10 U
Phenol	1	10 U
Pyrene	50	10 U

Table 3C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 U	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	0.02 U
Alpha Endosulfan	NS	0.02 U	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	0.02 U
Beta Endosulfan	NS	0.02 U	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	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	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	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	0 U	0 U	0 U	0 U	0 U
Endrin	ND	0.02 U	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	0.02 U
Endrin Ketone	5	0.02 U	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	0.02 U
Heptachlor	0.04	0.02 U	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	0.02 U
Methoxychlor	35	0.02 U	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	0.02 U
P,P'-DDE	0.2	0.02 U	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	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1	RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1	RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1	RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 U	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	0.02 U
Alpha Endosulfan	NS	0.02 U	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	0.02 U
Beta Endosulfan	NS	0.02 U	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	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	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	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	0 U	0 U	0 U	0 U	0 U
Endrin	ND	0.02 U	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	0.02 U
Endrin Ketone	5	0.02 U	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	0.02 U
Heptachlor	0.04	0.02 U	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	0.02 U
Methoxychlor	35	0.02 U	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	0.02 U
P,P'-DDE	0.2	0.02 U	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	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Pesticides

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 1	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1	RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 U	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	0.02 U
Alpha Endosulfan	NS	0.02 U	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	0.02 U
Beta Endosulfan	NS	0.02 U	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	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	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	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfans ABS	NS	0 U	0 U	0 U	0 U	0 U
Endrin	ND	0.02 U	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	0.02 U
Endrin Ketone	5	0.02 U	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	0.02 U
Heptachlor	0.04	0.02 U	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	0.02 U
Methoxychlor	35	0.02 U	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	0.02 U
P,P'-DDE	0.2	0.02 U	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	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

Table 3D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PCBs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 1
Compound	AWQSGV	CONC Q	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	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	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	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	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	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	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	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	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	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 3D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PCBs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1	RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1	RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1	RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1
Compound	AWQSGV	CONC Q	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	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	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	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	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	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	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	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	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	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 3D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PCBs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 1	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1	RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1
Compound	AWQSGV	CONC Q	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	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	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	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	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	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	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	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	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	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U	0.4 U

Table 3E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 5
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	16,100	11,300	22,300	NR	14,400
Antimony	3	1.1 J	1.7 J	2 U	NR	3 J
Arsenic	25	4	1.9 J	3.2	NR	14.1
Barium	1,000	382	211	501	NR	391
Beryllium	3	0.62 J	0.35 J	0.77 J	NR	4 U
Cadmium	5	2 U	2 U	2 U	NR	10 U
Calcium	NS	275,000	127,000	212,000	NR	92,900
Chromium, Total	50	29.7	22.2	42.6	NR	23
Cobalt	NS	14.1	9.4	21.3	NR	11.4 J
Copper	200	38.6	34.2	55.1	NR	60.4
Iron	300	25,700	18,600	37,300	NR	18,100
Lead	25	20.5	12.8	15	NR	291
Magnesium	35,000	42,600	36,900	91,900	NR	19,800
Manganese	300	881	550	1,560	NR	316
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.23	NR
Nickel	100	32.3	21.7	39.8	NR	25.3
Potassium	NS	16,000	14,700	19,000	NR	11,500
Selenium	10	1.1 J	1.2 J	1.3 J	NR	12.5 U
Silver	50	2 U	2 U	2 U	NR	10 U
Sodium	20,000	169,000	62,600	110,000	NR	121,000
Thallium	0.5	0.24 J	0.8 U	0.49 J	NR	4 U
Vanadium	NS	43	29.1	59.3	NR	46.4
Zinc	2,000	354	82.9	117	NR	472

Table 3E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 1	RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1	RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1	RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	2,400	40 U	6,590	386	2,700
Antimony	3	0.6 J	2 U	2 U	2 U	0.67 J
Arsenic	25	2 U	2 U	1.5 J	2 U	2.3
Barium	1,000	186	117	145	130	154
Beryllium	3	0.8 U	0.8 U	0.22 J	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	172,000	96,600	79,000	138,000	102,000
Chromium, Total	50	5.4	4 U	11.5	4 U	7.4
Cobalt	NS	5.4	4 U	7.5	4.1	3.6 J
Copper	200	6.7	36.2	27.8	2 J	18.1
Iron	300	3,750	120 U	11,100	1,520	6,660
Lead	25	18.3	1.2 U	10	5	6.1
Magnesium	35,000	35,700	23,700	19,400	30,400	19,900
Manganese	300	1,790	42.9	685	1,420	1,610
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	6.4	3.5 J	12.9	4.4	6.4
Potassium	NS	11,600	432	8,650	8,590	7,700
Selenium	10	2.5 U	2.5 U	0.46 J	2.5 U	2.5 U
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	130,000	51,200	42,300	201,000	128,000
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	6.9	2.1 J	19.3	4 U	7.7
Zinc	2,000	60.3	131	45.5 JK	6.2 J	51.8

Table 3E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1	RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 1	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	2,540	3,060	4,700	788	540
Antimony	3	0.9 J	2 U	2 U	0.67 J	2 U
Arsenic	25	2.5	1.5 J	2 U	2 U	2 U
Barium	1,000	168	141	171	94.5	184
Beryllium	3	0.8 U	0.12 J	0.24 J	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	111,000	158,000	193,000	62,000	115,000
Chromium, Total	50	6.8	4.1	10.8	4 U	4 U
Cobalt	NS	3.6 J	2.5 J	4.2	1.6 J	1.1 J
Copper	200	18.6	9.5	16.4	5.2	4 U
Iron	300	6,470	9,470	7,540	6,200	2,890
Lead	25	6.8	16.5	21.8	4.9	0.58 J
Magnesium	35,000	21,400	29,800	37,000	9,770	32,800
Manganese	300	1,710	1,120	478	501	868
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	6.5	6.2	8.8	2.4 J	4 U
Potassium	NS	7,990	10,200	16,100	6,490	7,280
Selenium	10	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
Sodium	20,000	150,000	205,000	274,000	288,000	166,000
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	7.8	6.5	10.8	1.8 J	1.7 J
Zinc	2,000	47	19.2	435	12.4 J	16 U

Table 3E
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Total Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1
Compound	AWQSGV	CONC Q
Aluminum	NS	12.4 J
Antimony	3	2 U
Arsenic	25	2 U
Barium	1,000	4 U
Beryllium	3	0.8 U
Cadmium	5	2 U
Calcium	NS	207 J
Chromium, Total	50	4 U
Cobalt	NS	4 U
Copper	200	4 U
Iron	300	120 U
Lead	25	1.2 U
Magnesium	35,000	200 U
Manganese	300	8 U
Mercury	0.7	0.2 U
Nickel	100	4 U
Potassium	NS	200 U
Selenium	10	2.5 U
Silver	50	2 U
Sodium	20,000	498 J
Thallium	0.5	0.8 U
Vanadium	NS	4 U
Zinc	2,000	16 U

Table 3F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Dissolved Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304651-2 5/24/2024 µg/L 1	RI-MW-01D_20240524 460-304651-1 5/24/2024 µg/L 1	RI-MW-01DA_20240807 460-309243-1 8/07/2024 µg/L 1	RI-MW-02_20240523 460-304542-1 5/23/2024 µg/L 1	RI-MW-02D_20240523 460-304542-2 5/23/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	40 U	40 U	40 U	40 U	40 U
Antimony	3	1.2 J	1.8 J	2 U	1.1 J	2 U
Arsenic	25	2 U	2 U	2 U	1.9 J	2 U
Barium	1,000	141	86.5	257	130	142
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	293,000	129,000	188,000	88,500	167,000
Chromium, Total	50	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	2.2 J	0.6 J	2.7 J	4 U	2.7 J
Copper	200	3.5 J	3.3 J	4 U	4.5	4 U
Iron	300	120 U	120 U	120 U	120 U	120 U
Lead	25	1.2 U	1.2 U	1.2 U	1.1 J	1.2 U
Magnesium	35,000	30,500	28,600	75,000	14,800	32,400
Manganese	300	500	278	1,080	5 J	1,460
Mercury	0.7	0.2 U	0.2 U	0.31	0.2 U	0.2 U
Nickel	100	6.9	4 U	4 U	4 U	1.7 J
Potassium	NS	11,000	12,000	10,500	9,220	10,500
Selenium	10	1.3 J	2.5 U	1.5 J	0.55 J	2.5 U
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	86,200	69,200	121,000	74,300	124,000
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	4 U	2.4 J	4 U
Zinc	2,000	127	8.2 J	7.4 J	5 J	9.7 J

Table 3F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Dissolved Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-03_20240522 460-304450-1 5/22/2024 µg/L 1	RI-MW-04_20240522 460-304450-2 5/22/2024 µg/L 1	RI-MW-05_20240529 460-304875-1 5/29/2024 µg/L 1	RI-MW-06_20240528 460-304803-2 5/28/2024 µg/L 1	RI-MW-0X_20240528 460-304803-3 5/28/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	40 U	40 U	40 U	40 U	40 U
Antimony	3	2 U	2 U	2 U	2 U	2 U
Arsenic	25	1.6 J	2 U	2 U	2 U	1.4 J
Barium	1,000	212	64.9	108	110	122
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	114,000	71,900	135,000	98,500	109,000
Chromium, Total	50	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	1.8 J	0.73 J	3.4 J	0.77 J	0.98 J
Copper	200	3.2 J	2 J	4 U	4 U	2 J
Iron	300	120 U	120 U	120 U	120 U	120 U
Lead	25	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Magnesium	35,000	22,200	14,900	29,100	17,200	19,000
Manganese	300	1,760	531	1,260	1,410	1,500
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	2.3 J	4 U	3.2 J	4 U	4 U
Potassium	NS	7,230	5,800	8,280	6,880	7,060
Selenium	10	0.46 J	0.62 J	2.5 U	2.5 U	2.5 U
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	57,800	41,700	191,000	126,000	137,000
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	4 U	4 U	4 U
Zinc	2,000	16 U	16 U	16 U	16.5	16.4

Table 3F
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of Dissolved Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-07_20240521 460-304422-1 5/21/2024 µg/L 1	RI-MW-07D_20240521 460-304422-2 5/21/2024 µg/L 1	RI-MW-08_20240528 460-304803-1 5/28/2024 µg/L 1	RI-MW-08A_20240807 460-309243-2 8/07/2024 µg/L 1	RI-FB_20240524 460-304651-4 5/24/2024 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	40 U	40 U	40 U	40 U	40 U
Antimony	3	2 U	2 U	0.79 J	2 U	2 U
Arsenic	25	2 U	2 U	2 U	2 U	2 U
Barium	1,000	102	112	61	159	4 U
Beryllium	3	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	2 U	2 U	2 U	2 U	2 U
Calcium	NS	142,000	160,000	60,400	112,000	63.5 J
Chromium, Total	50	4 U	4 U	4 U	4 U	4 U
Cobalt	NS	0.55 J	1.1 J	0.59 J	0.62 J	4 U
Copper	200	4 U	4 U	4 U	4 U	4 U
Iron	300	120 U	120 U	120 U	120 U	120 U
Lead	25	1.2 U	1.2 U	2.4	1.2 U	1.2 U
Magnesium	35,000	29,900	33,700	8,730	34,800	200 U
Manganese	300	267	357	393	781	8 U
Mercury	0.7	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	1.7 J	2.3 J	4 U	4 U	4 U
Potassium	NS	12,100	14,100	6,610	7,150	200 U
Selenium	10	0.66 J	0.54 J	2.5 U	2.5 U	2.5 U
Silver	50	2 U	2 U	2 U	2 U	2 U
Sodium	20,000	252,000	271,000	262,000	167,000	500 U
Thallium	0.5	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Vanadium	NS	4 U	4 U	4 U	4 U	4 U
Zinc	2,000	16 U	88.4	11.7 J	11.3 J	16 U

Table 3G
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-01_20240524 460-304586-2 5/24/2024 ppt 1	RI-MW-01_20240524 460-304586-2 5/24/2024 ppt 10	RI-MW-01D_20240524 460-304586-1 5/24/2024 ppt 1	RI-MW-01DA_20240807 460-309613-1 08/07/2024 ppt 1	RI-MW-02_20240523 460-304568-1 5/23/2024 ppt 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	21.6 U	NR	23.4 U	7.73 U	7.23 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	21.6 U	NR	23.4 U	7.73 U	7.23 U
1H,1H,2H,2H-Perfluorodecane sulfonic acid	NS	NR	NR	NR	7.73 U	NR
1H,1H,2H,2H-Perfluorooctane sulfonic acid	NS	NR	NR	NR	7.73 U	NR
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	53.9 U	NR	58.5 U	NR	18.1 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	53.9 U	NR	58.5 U	NR	18.1 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	135 U	NR	146 U	NR	45.2 U
3-Perfluoroheptyl propanoic acid	NS	135 U	NR	146 U	48.3 U	45.2 U
3-Perfluoropentylpropanoic acid	NS	NR	NR	NR	48.3 U	NR
3-Perfluoropropyl propanoic acid	NS	26.9 U	NR	29.3 U	9.67 U	9.04 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NR	NR	NR	NR	NR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	21.6 U	NR	23.4 U	7.73 U	7.23 U
6:2 Fluorotelomer sulfonate	NS	21.6 U	NR	21 J	NR	7.23 U
8:2 Fluorotelomer sulfonate	NS	21.6 U	NR	24.5	NR	7.23 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	21.6 U	NR	23.4 U	7.73 U	7.23 U
Hexafluoropropylene oxide dimer acid	NS	NR	NR	NR	7.73 U	NR
N-ethyl perfluorooctanesulfonamide	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	5.39 U	NR	1.67 J	1.93 U	1.81 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	19.3 U	NR
N-methyl perfluorooctanesulfonamide	NS	5.39 UJ	NR	5.85 U	1.93 U	1.81 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NR	53.9 U	2.4 J	1.93 U	1.81 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	19.3 U	NR
Nonafluoro-3,6-dioxaheptanoic acid	NS	10.8 U	NR	11.7 U	3.87 U	3.62 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	10.8 U	NR	11.7 U	3.87 U	3.62 U
Perfluoro(2-Propoxypropanoic) Acid	NS	21.6 U	NR	23.4 U	NR	7.23 U
Perfluoro-3-methoxypropanoic acid	NS	10.8 U	NR	11.7 U	3.87 U	3.62 U
Perfluoro-4-methoxybutanoic acid	NS	10.8 U	NR	11.7 U	3.87 U	3.62 U
Perfluorobutanesulfonic acid	NS	82.8	NR	10.7	6.74	1.81 U
Perfluorobutanoic acid	NS	27	NR	6.56 J	10.7	7.23 U
Perfluorodecanesulfonic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluorodecanoic acid	NS	NR	53.9 UJ	1.66 J	1.93 U	1.81 U
Perfluorododecanesulfonic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluorododecanoic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluoroheptanesulfonic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluoroheptanoic acid	NS	36.9	NR	11.8	5.86	1.81 U
Perfluorohexanesulfonic acid	NS	7.65	NR	5.88	4.13	1.81 U
Perfluorohexanoic acid	NS	85.5	NR	21.5	11.7	1.81 U
Perfluorononanesulfonic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluorononanoic acid	NS	NR	53.9 UJ	8.68	1.93 U	1.81 U
Perfluorooctanesulfonamide	NS	5.39 UJ	NR	5.85 UJ	1.93 U	1.81 UJ
Perfluorooctanesulfonic acid (PFOS)	2.7	18.1 J	NR	15.3	2.19	1.81 U
Perfluorooctanoic acid (PFOA)	6.7	36.6	NR	28.8	15.3	1.81 U
Perfluoropentanoic acid	NS	108	NR	15.7	10.8	3.62 U
Perfluoropentansulfonic acid	NS	1.74 J	NR	5.85 U	0.76 J	1.81 U
Perfluorotetradecanoic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluorotridecanoic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U
Perfluoroundecanoic acid	NS	5.39 U	NR	5.85 U	1.93 U	1.81 U

Table 3G
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-02D_20240523 460-304568-2 5/23/2024 ppt 1	RI-MW-03_20240522 460-304449-1 5/22/2024 ppt 1	RI-MW-03_20240522 460-304449-1 5/22/2024 ppt 10	RI-MW-04_20240522 460-304449-2 5/22/2024 ppt 1	RI-MW-05_20240529 460-304919-1 5/29/2024 ppt 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
1H,1H,2H,2H-Perfluorodecane sulfonic acid	NS	NR	NR	NR	NR	NR
1H,1H,2H,2H-Perfluorooctane sulfonic acid	NS	NR	NR	NR	NR	NR
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	38.3 U	17.8 U	NR	73.3 U	71.2 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	38.3 U	17.8 U	NR	73.3 U	71.2 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	95.7 U	44.5 U	NR	183 U	178 U
3-Perfluoroheptyl propanoic acid	NS	95.7 U	44.5 U	NR	183 U	178 U
3-Perfluoropentylpropanoic acid	NS	NR	NR	NR	NR	NR
3-Perfluoropropyl propanoic acid	NS	19.1 U	8.89 U	NR	36.7 U	35.6 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NR	NR	NR	NR	NR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
6:2 Fluorotelomer sulfonate	NS	4.73 J	7.11 U	NR	29.3 U	28.5 U
8:2 Fluorotelomer sulfonate	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
Hexafluoropropylene oxide dimer acid	NS	NR	NR	NR	NR	NR
N-ethyl perfluorooctanesulfonamide	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	NR	NR
N-methyl perfluorooctanesulfonamide	NS	3.83 U	1.78 UJ	NR	7.33 U	7.12 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	3.83 U	NR	17.8 U	7.33 U	7.12 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	NR	NR
Nonafluoro-3,6-dioxaheptanoic acid	NS	7.66 U	3.56 U	NR	14.7 U	14.2 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	7.66 U	3.56 UJ	NR	14.7 U	14.2 U
Perfluoro(2-Propoxypropanoic) Acid	NS	15.3 U	7.11 U	NR	29.3 U	28.5 U
Perfluoro-3-methoxypropanoic acid	NS	7.66 U	3.56 U	NR	14.7 U	14.2 U
Perfluoro-4-methoxybutanoic acid	NS	7.66 U	3.56 U	NR	14.7 U	14.2 U
Perfluorobutanesulfonic acid	NS	10.4 JK	5.89	NR	2.56 J	8.55
Perfluorobutanoic acid	NS	15.3 U	10.1	NR	29.3 U	12.5 J
Perfluorodecanesulfonic acid	NS	3.83 U	NR	17.8 U	7.33 U	7.12 U
Perfluorodecanoic acid	NS	3.83 U	1.78 UJ	NR	7.33 U	7.12 U
Perfluorododecanesulfonic acid	NS	3.83 U	NR	17.8 U	7.33 U	7.12 U
Perfluorododecanoic acid	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U
Perfluoroheptanesulfonic acid	NS	3.83 U	NR	17.8 U	7.33 U	7.12 U
Perfluoroheptanoic acid	NS	10.1 JK	7.83	NR	2.31 J	6.89 J
Perfluorohexanesulfonic acid	NS	16.9 JK	7.87	NR	7.33 U	35.2
Perfluorohexanoic acid	NS	24.1 JK	8.16	NR	3.54 J	10.7
Perfluorononanesulfonic acid	NS	3.83 U	NR	17.8 U	7.33 U	7.12 U
Perfluorononanoic acid	NS	8.69 JK	2.84	NR	7.33 U	3.33 J
Perfluorooctanesulfonamide	NS	3.83 UJ	1.78 U	NR	7.33 U	7.12 U
Perfluorooctanesulfonic acid (PFOS)	2.7	52.3 JK	NR	66.9 J	21.4	110
Perfluorooctanoic acid (PFOA)	6.7	42.8 JK	54.3	NR	7.45	24
Perfluoropentanoic acid	NS	20.9 JK	4.87	NR	4.31 J	13.3 J
Perfluoropentansulfonic acid	NS	1.03 J	1.78 U	NR	7.33 U	7.12 U
Perfluorotetradecanoic acid	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U
Perfluorotridecanoic acid	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U
Perfluoroundecanoic acid	NS	3.83 U	1.78 U	NR	7.33 U	7.12 U

Table 3G
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-06_20240528 460-304801-2 5/28/2024 ppt 1	RI-MW-0X_20240528 460-304801-3 5/28/2024 ppt 1	RI-MW-07_20240521 460-304421-1 5/21/2024 ppt 1	RI-MW-07D_20240521 460-304421-2 5/21/2024 ppt 1	RI-MW-08_20240528 460-304801-1 5/28/2024 ppt 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
1H,1H,2H,2H-Perfluorodecane sulfonic acid	NS	NR	NR	NR	NR	NR
1H,1H,2H,2H-Perfluorooctane sulfonic acid	NS	NR	NR	NR	NR	NR
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	16 U	14.4 U	18.2 U	17.6 U	20.3 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	16 U	14.4 U	18.2 U	17.6 U	20.3 U
2H,2H,3H,3H-Perfluorooctanoic acid	NS	40.1 U	36 U	45.5 U	44 U	50.8 U
3-Perfluoroheptyl propanoic acid	NS	40.1 U	36 U	45.5 UJ	44 UJ	50.8 U
3-Perfluoropentylpropanoic acid	NS	NR	NR	NR	NR	NR
3-Perfluoropropyl propanoic acid	NS	8.01 U	7.21 U	9.09 U	8.81 U	10.2 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NR	NR	NR	NR	NR
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
6:2 Fluorotelomer sulfonate	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
8:2 Fluorotelomer sulfonate	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
Hexafluoropropylene oxide dimer acid	NS	NR	NR	NR	NR	NR
N-ethyl perfluorooctanesulfonamide	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	NR	NR
N-methyl perfluorooctanesulfonamide	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
N-methyl perfluorooctanesulfonamidoethanol	NS	NR	NR	NR	NR	NR
Nonafluoro-3,6-dioxaheptanoic acid	NS	3.21 U	2.88 U	3.64 U	3.52 U	4.06 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	3.21 U	2.88 U	3.64 U	3.52 U	4.06 U
Perfluoro(2-Propoxypropanoic) Acid	NS	6.41 U	5.77 U	7.27 U	7.05 U	8.12 U
Perfluoro-3-methoxypropanoic acid	NS	3.21 U	2.88 U	3.64 U	3.52 U	4.06 U
Perfluoro-4-methoxybutanoic acid	NS	3.21 U	2.88 U	3.64 U	3.52 U	4.06 U
Perfluorobutanesulfonic acid	NS	2.67	2.19	1.82 U	7.2	5.82
Perfluorobutanoic acid	NS	3.91 J	6.53	7.27 U	11.4	7.5 J
Perfluorodecanesulfonic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorodecanoic acid	NS	0.96 J	0.95 J	1.82 U	0.76 J	4.82
Perfluorododecanesulfonic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorododecanoic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluoroheptanesulfonic acid	NS	1.6 U	1.44 U	1.82 U	0.78 J	1.18 J
Perfluoroheptanoic acid	NS	3.22	2.22	1.82 U	6	8.37
Perfluorohexanesulfonic acid	NS	1.3 J	0.93 J	1.82 U	8.13	3.6
Perfluorohexanoic acid	NS	4.34	4.38	1.82 U	13.8	9.01
Perfluorononanesulfonic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorononanoic acid	NS	3.07	3.08	1.11 J	2.43	4.76
Perfluorooctanesulfonamide	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorooctanesulfonic acid (PFOS)	2.7	11.3	11.7	15	23.8	113
Perfluorooctanoic acid (PFOA)	6.7	11.3	9.19	1.95	19.5	29.7
Perfluoropentanoic acid	NS	4.35	3.4	3.64 U	12.6	9.05
Perfluoropentansulfonic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorotetradecanoic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluorotridecanoic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	2.03 U
Perfluoroundecanoic acid	NS	1.6 U	1.44 U	1.82 U	1.76 U	0.84 J

Table 3G
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-MW-08A_20240807 460-309613-2 08/07/2024 ppt 1	RI-EB_20240522 460-304449-3 5/22/2024 ppt 1	RI-EB_20240523 460-304568-3 5/23/2024 ppt 1	RI-EB_20240524 460-304651-3 5/24/2024 ppt 1	RI-EB_20240521 460-304421-3 5/28/2024 ppt 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	7.6 U	6.63 U	19.5 U	6.31 U	6.4 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	7.6 U	6.63 U	19.5 U	6.31 U	6.4 U
1H,1H,2H,2H-Perfluorodecane sulfonic acid	NS	7.6 U	NR	NR	NR	NR
1H,1H,2H,2H-Perfluorooctane sulfonic acid	NS	7.6 U	NR	NR	NR	NR
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	NR	NR	NR	NR	NR
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	NR	NR	NR	NR	NR
2H,2H,3H,3H-Perfluorooctanoic acid	NS	NR	41.4 U	122 U	39.4 U	40 U
3-Perfluoroheptyl propanoic acid	NS	47.5 U	41.4 U	122 U	39.4 U	40 UJ
3-Perfluoropentylpropanoic acid	NS	47.5 U	NR	NR	NR	NR
3-Perfluoropropyl propanoic acid	NS	9.5 U	8.29 U	24.4 U	7.89 U	8 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	NR	6.63 U	19.5 U	6.31 U	6.4 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	7.6 U	NR	NR	NR	NR
6:2 Fluorotelomer sulfonate	NS	NR	6.63 U	19.5 U	6.31 U	6.4 U
8:2 Fluorotelomer sulfonate	NS	NR	6.63 U	19.5 U	6.31 U	6.4 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	7.6 U	6.63 U	19.5 U	6.31 U	6.4 U
Hexafluoropropylene oxide dimer acid	NS	7.6 U	6.63 U	19.5 U	6.31 U	6.4 U
N-ethyl perfluorooctanesulfonamide	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	19 U	16.6 U	48.8 U	15.8 U	16 U
N-methyl perfluorooctanesulfonamide	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
N-methyl perfluorooctanesulfonamidoethanol	NS	19 U	16.6 U	48.8 U	15.8 U	16 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	3.8 U	3.32 U	9.77 U	3.15 U	3.2 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	3.8 U	3.32 UJ	9.77 U	3.15 U	3.2 U
Perfluoro(2-Propoxypropanoic) Acid	NS	NR	NR	NR	NR	NR
Perfluoro-3-methoxypropanoic acid	NS	3.8 U	3.32 U	9.77 U	3.15 U	3.2 U
Perfluoro-4-methoxybutanoic acid	NS	3.8 U	3.32 U	9.77 U	3.15 U	3.2 U
Perfluorobutanesulfonic acid	NS	2.57	1.66 U	8.27	1.58 U	1.6 U
Perfluorobutanoic acid	NS	7.6 U	6.63 U	12.4 J	6.31 U	6.4 U
Perfluorodecanesulfonic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluorodecanoic acid	NS	1.9 U	1.66 U	3.57 J	1.58 U	1.6 U
Perfluorododecanesulfonic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluorododecanoic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluoroheptanesulfonic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluoroheptanoic acid	NS	2.3	1.66 U	8.78	1.58 U	1.6 U
Perfluorohexanesulfonic acid	NS	1.73 J	1.66 U	12.2	1.58 U	1.6 U
Perfluorohexanoic acid	NS	3.35	1.66 U	16.3	1.58 U	1.6 U
Perfluorononanesulfonic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluorononanoic acid	NS	1.4 J	1.66 U	12.7	1.58 U	1.6 U
Perfluorooctanesulfonamide	NS	1.9 U	1.66 U	4.88 UJ	1.58 UJ	1.6 U
Perfluorooctanesulfonic acid (PFOS)	2.7	9.15	1.66 U	57.3	1.58 U	1.6 U
Perfluorooctanoic acid (PFOA)	6.7	17.6	1.66 U	32.9	1.58 U	1.6 U
Perfluoropentanoic acid	NS	2.65 J	3.32 U	14.3	3.15 U	3.2 U
Perfluoropentansulfonic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluorotetradecanoic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluorotridecanoic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U
Perfluoroundecanoic acid	NS	1.9 U	1.66 U	4.88 U	1.58 U	1.6 U

Table 3G
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Groundwater Analytical Results of PFAS

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		RI-EB_20240529 460-304919-2 5/29/2024 ppt 1	RI-EB-05_20240807 460-309243-3 08/07/2024 ppt 1	RI-FB_20240524 460-304651-4 5/24/2024 ppt 1	RI-FB-01_20240729 460-308519-9 7/29/2024 ppt 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	NS	6.48 U	5.97 U	6.65 U	6.49 U
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	NS	6.48 U	5.97 U	6.65 U	6.49 U
1H,1H,2H,2H-Perfluorodecane sulfonic acid	NS	NR	5.97 U	NR	NR
1H,1H,2H,2H-Perfluorooctane sulfonic acid	NS	NR	5.97 U	NR	NR
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	NS	NR	NR	NR	NR
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	NS	NR	NR	NR	NR
2H,2H,3H,3H-Perfluorooctanoic acid	NS	40.5 U	NR	41.6 U	40.6 U
3-Perfluoroheptyl propanoic acid	NS	40.5 U	37.3 U	41.6 U	40.6 U
3-Perfluoropentylpropanoic acid	NS	NR	37.3 U	NR	NR
3-Perfluoropropyl propanoic acid	NS	8.1 U	7.46 U	8.32 U	8.12 U
4,8-Dioxa-3H-perfluorononanoic acid	NS	6.48 U	NR	6.65 U	6.49 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NS	NR	5.97 U	NR	NR
6:2 Fluorotelomer sulfonate	NS	6.48 U	NR	6.65 U	3.92 JBT
8:2 Fluorotelomer sulfonate	NS	6.48 U	NR	6.65 U	6.49 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	NS	6.48 U	5.97 U	6.65 U	6.49 U
Hexafluoropropylene oxide dimer acid	NS	6.48 U	5.97 U	6.65 U	6.49 U
N-ethyl perfluorooctanesulfonamide	NS	1.62 U	1.49 U	1.66 U	1.62 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
N-ethyl perfluorooctanesulfonamidoethanol	NS	16.2 U	14.9 U	16.6 U	16.2 U
N-methyl perfluorooctanesulfonamide	NS	1.62 U	1.49 U	1.66 U	1.62 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
N-methyl perfluorooctanesulfonamidoethanol	NS	16.2 U	14.9 U	16.6 U	16.2 U
Nonafluoro-3,6-dioxaheptanoic acid	NS	3.24 U	2.98 U	3.33 U	3.25 U
Perfluoro(2-ethoxyethane)sulfonic acid	NS	3.24 U	2.98 U	3.33 U	3.25 U
Perfluoro(2-Propoxypropanoic) Acid	NS	NR	NR	NR	NR
Perfluoro-3-methoxypropanoic acid	NS	3.24 U	2.98 U	3.33 U	3.25 U
Perfluoro-4-methoxybutanoic acid	NS	3.24 U	2.98 U	3.33 U	3.25 U
Perfluorobutanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorobutanoic acid	NS	6.48 U	5.97 U	6.65 U	6.49 U
Perfluorodecanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorodecanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorododecanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorododecanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluoroheptanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluoroheptanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorohexanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorohexanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorononanesulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorononanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorooctanesulfonamide	NS	1.62 U	1.49 U	1.66 UJ	1.62 U
Perfluorooctanesulfonic acid (PFOS)	2.7	1.62 U	1.49 U	1.66 U	1.31 J
Perfluorooctanoic acid (PFOA)	6.7	1.62 U	1.49 U	1.66 U	1.62 U
Perfluoropentanoic acid	NS	3.24 U	2.98 U	3.33 U	3.25 U
Perfluoropentansulfonic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorotetradecanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluorotridecanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U
Perfluoroundecanoic acid	NS	1.62 U	1.49 U	1.66 U	1.62 U

Table 4
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	RI-SV-01_20240510 200-73499-9 5/10/2024 µg/m ³ 1	RI-SV-02_20240509 200-73499-8 5/09/2024 µg/m ³ 1	RI-SV-03_20240508 200-73499-3 5/08/2024 µg/m ³ 1	RI-SV-03_20240508 200-73499-3 5/09/2024 µg/m ³ 2.5	RI-SV-X_20240508 200-73499-4 5/08/2024 µg/m ³ 1	RI-SV-X_20240508 200-73499-4 5/08/2024 µg/m ³ 2.5	RI-SV-04_20240509 200-73499-5 5/09/2024 µg/m ³ 30.3	RI-SV-04_20240509 200-73499-5 5/09/2024 µg/m ³ 152
Compound	CONC Q	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	NR	1.1 U	NR	33 U	NR
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	1.4 U	NR	1.4 U	NR	42 U	NR
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	0.42 J	0.46 J	0.45 J	NR	0.44 J	NR	46 U	NR
1,1,2-Trichloroethane	1.1 U	1.1 U	1.1 U	NR	1.1 U	NR	33 U	NR
1,1-Dichloroethane	0.62 J	0.81 U	0.81 U	NR	0.81 U	NR	25 U	NR
1,1-Dichloroethene	0.17 J	0.2 U	0.2 U	NR	0.2 U	NR	6.1 U	NR
1,2,4-Trichlorobenzene	3.7 U	3.7 U	3.7 U	NR	NR	NR	110 U	NR
1,2,4-Trimethylbenzene	2.4	4.6	3	NR	3.3	NR	30 U	NR
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	1.5 U	NR	1.5 U	NR	47 U	NR
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	NR	NR	NR	36 U	NR
1,2-Dichloroethane	0.81 U	0.81 U	0.81 U	NR	0.81 U	NR	25 U	NR
1,2-Dichloropropane	0.92 U	0.92 U	0.92 U	NR	0.92 U	NR	28 U	NR
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	1.4 U	NR	1.4 U	NR	42 U	NR
1,3,5-Trimethylbenzene (Mesitylene)	0.65 J	1.3	0.93 J	NR	0.97 J	NR	30 U	NR
1,3-Butadiene	0.16 J	0.32 J	2.4	NR	2.3	NR	13 U	NR
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	NR	NR	NR	36 U	NR
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	NR	NR	NR	36 U	NR
2,2,4-Trimethylpentane	6.3	0.34 J	0.65 J	NR	0.65 J	NR	28 U	NR
2-Chlorotoluene	1 U	1 U	1 U	NR	1 U	NR	31 U	NR
2-Hexanone	1.9 J	0.7 J	2 U	NR	0.71 J	NR	62 U	NR
4-Ethyltoluene	0.49 J	1.4	0.97 J	NR	1.1	NR	30 U	NR
Acetone	28	34	NR	92 D	NR	95 D	360 U	NR
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	1.6 U	NR	1.6 U	NR	47 U	NR
Benzene	1.9	0.39 J	2.2	NR	2.3	NR	19 U	NR
Benzyl Chloride	1 U	1 U	1 U	NR	1 U	NR	31 U	NR
Bromodichloromethane	0.99 J	1.3 U	1.3 U	NR	1.3 U	NR	41 U	NR
Bromoform	2.1 U	2.1 U	2.1 U	NR	2.1 U	NR	63 U	NR
Bromomethane	0.78 U	0.78 U	0.78 U	NR	0.78 U	NR	24 U	NR
Butane	3.7	5.4	42	NR	NR	NR	36 U	NR
Carbon Disulfide	22	1.4 J	22	NR	22	NR	47 U	NR
Carbon Tetrachloride	0.34	0.17 J	0.3	NR	0.4	NR	NR	13,000 D
Chlorobenzene	0.92 U	0.92 U	0.92 U	NR	0.92 U	NR	28 U	NR
Chlorodifluoromethane	0.84 J	0.97 J	0.91 J	NR	0.81 J	NR	54 U	NR
Chloroethane	1.3 U	1.3 U	1.3 U	NR	1.3 U	NR	40 U	NR
Chloroform	0.7 J	1	1.1	NR	1.1	NR	200	NR
Chloromethane	1.2	0.36 J	0.79 J	NR	0.75 J	NR	31 U	NR
Cis-1,2-Dichloroethylene	25	0.82	0.2 U	NR	0.2 U	NR	6.1 U	NR
Cis-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	NR	0.91 U	NR	28 U	NR
Cyclohexane	1.7	1.7	2.2	NR	2.2	NR	21 U	NR
Cymene	0.36 J	0.35 J	1.1 U	NR	1.1 U	NR	33 U	NR
Dibromochloromethane	1.7 U	1.7 U	1.7 U	NR	1.7 U	NR	52 U	NR
Dichlorodifluoromethane	1.9 J	2 J	1.9 J	NR	1.8 J	NR	75 U	NR
Ethylbenzene	4.3	3.4	4	NR	4.2	NR	26 U	NR
Hexachlorobutadiene	2.1 U	2.1 U	2.1 U	NR	NR	NR	65 U	NR
Isopropanol	13	17	12 U	NR	12 U	NR	370 U	NR
Isopropylbenzene (Cumene)	2.1	0.79 J	0.98 U	NR	0.74 J	NR	30 U	NR
M,P-Xylenes	22	16	18	NR	19	NR	38 J	NR
Methyl Ethyl Ketone (2-Butanone)	17	7.4	16	NR	17	NR	45 U	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	7.7	1.2 J	0.78 J	NR	0.92 J	NR	62 U	NR
Methyl Methacrylate	0.57 J	2 U	2 U	NR	2 U	NR	62 U	NR
Methylene Chloride	1.7 U	1.7 U	1.7 U	NR	1.7 U	NR	53 U	NR
Naphthalene	2 U	2 U	2 U	NR	NR	NR	61 U	NR
N-Butylbenzene	1.1 U	1.1 U	1.1 U	NR	1.1 U	NR	33 U	NR
N-Heptane	2.5	2.5	4	NR	4.1	NR	25 U	NR
N-Hexane	0.8 J	2.6	4.2	NR	4.3	NR	53 U	NR
N-Propylbenzene	0.34 J	0.75 J	0.62 J	NR	0.66 J	NR	30 U	NR
O-Xylene (1,2-Dimethylbenzene)	8.9	6.1	5.8	NR	6.2	NR	9.3 J	NR
Sec-Butylbenzene	1.1 U	1.1 U	1.1 U	NR	1.1 U	NR	33 U	NR
Styrene	0.72 J	0.82 J	0.49 J	NR	0.62 J	NR	26 U	NR
T-Butylbenzene	1.1 U	1.1 U	1.1 U	NR	1.1 U	NR	33 U	NR
Tert-Butyl Alcohol	15 U	7.1 J	8.1 J	NR	8.3 J	NR	460 U	NR
Tert-Butyl Methyl Ether	4.6	0.72 U	0.72 U	NR	0.72 U	NR	22 U	NR
Tetrachloroethylene (PCE)	11	16	1.6	NR	1.9	NR	42	NR
Tetrahydrofuran	15 U	15 U	15 U	NR	15 U	NR	450 U	NR
Toluene	8.6	14	7.8	NR	8	NR	8.8 J	NR
Trans-1,2-Dichloroethene	0.6 J	0.79 U	0.79 U	NR	0.79 U	NR	24 U	NR
Trans-1,3-Dichloropropene	0.91 U	0.91 U	0.91 U	NR	0.91 U	NR	28 U	NR
Trichloroethylene (TCE)	6.9	2.2	0.2 U	NR	0.23	NR	6.1 U	NR
Trichlorofluoromethane	0.96 J	1.2	1.1	NR	1 J	NR	34 U	NR
Vinyl Bromide	0.87 U	0.87 U	0.87 U	NR	0.87 U	NR	27 U	NR
Vinyl Chloride	1.2	0.2 U	0.2 U	NR	0.2 U	NR	6.1 U	NR
Xylenes, Total	31	22	24	NR	25	NR	47 J	NR

Table 4
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	RI-SV-04A 200-74558-2 7/29/2024 µg/m ³ 1	RI-SV-04B 200-74558-3 7/29/2024 µg/m ³ 1	RI-SV-04B 200-74558-3 7/29/2024 µg/m ³ 2	RI-SV-04C 200-74558-4 7/29/2024 µg/m ³ 1	RI-SV-04C 200-74558-4 7/29/2024 µg/m ³ 2	RI-SV-04D 200-74558-5 7/29/2024 µg/m ³ 1	RI-SV-04D 200-74558-5 7/29/2024 µg/m ³ 2	RI-SV-05_20240508 200-73499-2 5/08/2024 µg/m ³ 1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.1 U	1.1 U	NR	1.1 U	NR	1.1 U	NR	1.1 U
1,1,2,2-Tetrachloroethane	1.4 U	1.4 U	NR	1.4 U	NR	1.4 U	NR	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	1.5 U	0.58 J	NR	0.5 J	NR	1.5 U	NR	1.5 U
1,1,2-Trichloroethane	1.1 U	1.1 U	NR	1.1 U	NR	1.1 U	NR	1.1 U
1,1-Dichloroethane	0.81 U	0.2 J	NR	0.81	NR	0.81 U	NR	0.81 U
1,1-Dichloroethene	0.2 U	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U
1,2,4-Trichlorobenzene	3.7 U	3.7 U	NR	3.7 U	NR	3.7 U	NR	3.7 U
1,2,4-Trimethylbenzene	6	6.5	NR	190	NR	8.5	NR	8.3
1,2-Dibromoethane (Ethylene Dibromide)	1.5 U	1.5 U	NR	1.5 U	NR	1.5 U	NR	1.5 U
1,2-Dichlorobenzene	1.2 U	1.2 U	NR	1.2 U	NR	1.2 U	NR	1.2 U
1,2-Dichloroethane	0.81 U	0.49 J	NR	0.81 U	NR	0.81 U	NR	0.81 U
1,2-Dichloropropane	0.92 U	0.92 U	NR	0.92 U	NR	0.92 U	NR	0.92 U
1,2-Dichlorotetrafluoroethane	1.4 U	1.4 U	NR	1.4 U	NR	1.4 U	NR	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	1.5	1.7	NR	81	NR	2.2	NR	2.1
1,3-Butadiene	2.5	0.74	NR	0.79	NR	3.5	NR	5.3
1,3-Dichlorobenzene	2.7	3	NR	1.2 U	NR	2.5	NR	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	NR	1.2 U	NR	1.2 U	NR	1.2 U
2,2,4-Trimethylpentane	0.42 J	0.88 J	NR	0.76 J	NR	0.49 J	NR	0.73 J
2-Chlorotoluene	1 U	1 U	NR	1 U	NR	1 U	NR	1 U
2-Hexanone	2 U	2 U	NR	2 U	NR	2 U	NR	2 U
4-Ethyltoluene	1.3	1.5	NR	71	NR	2	NR	2.7
Acetone	41	87	NR	41	NR	41	NR	53
Allyl Chloride (3-Chloropropene)	1.6 U	1.6 U	NR	1.6 U	NR	1.6 U	NR	1.6 U
Benzene	0.93	1.9	NR	1.2	NR	0.87	NR	1.6
Benzyl Chloride	1 U	1 U	NR	1 U	NR	1 U	NR	1 U
Bromodichloromethane	1.3 U	1.3 U	NR	1.3 U	NR	1.3 U	NR	1.3 U
Bromoform	2.1 U	2.1 U	NR	2.1 U	NR	2.1 U	NR	2.1 U
Bromomethane	0.78 U	0.78 U	NR	0.78 U	NR	0.78 U	NR	0.78 U
Butane	14	40	NR	37	NR	21	NR	19
Carbon Disulfide	6.4	9.8	NR	7.5	NR	7.4	NR	13
Carbon Tetrachloride	0.22 U	40	NR	4.4	NR	0.22 U	NR	0.21 J
Chlorobenzene	0.92 U	0.92 U	NR	0.92 U	NR	0.92 U	NR	0.92 U
Chlorodifluoromethane	1.3 J	3.6	NR	1.1 J	NR	1.1 J	NR	0.83 J
Chloroethane	1.3 U	1.3 U	NR	1.3 U	NR	1.3 U	NR	1.3 U
Chloroform	2.1	9.9	NR	6.5	NR	0.31 J	NR	1.2
Chloromethane	0.71 J	1.5	NR	0.9 J	NR	0.68 J	NR	2.4
Cis-1,2-Dichloroethylene	0.2 U	1.3	NR	6.7	NR	0.2 U	NR	0.36
Cis-1,3-Dichloropropene	0.91 U	0.91 U	NR	0.91 U	NR	0.91 U	NR	0.91 U
Cyclohexane	5.3	6.4	NR	0.38 J	NR	5.8	NR	1.2
Cymene	1.1 U	1.1 U	NR	13	NR	1.1 U	NR	0.5 J
Dibromochloromethane	1.7 U	1.7 U	NR	1.7 U	NR	1.7 U	NR	1.7 U
Dichlorodifluoromethane	1.5 J	2.6	NR	2 J	NR	1.7 J	NR	1.8 J
Ethylbenzene	0.84 J	1.6	NR	30	NR	1.1	NR	5.1
Hexachlorobutadiene	2.1 U	2.1 U	NR	2.1 U	NR	2.1 U	NR	2.1 U
Isopropanol	92	NR	110 D	NR	110 D	NR	77 D	12 U
Isopropylbenzene (Cumene)	0.48 J	0.4 J	NR	39	NR	0.49 J	NR	1
M,P-Xylenes	2.2	2.4	NR	170	NR	2.5	NR	27
Methyl Ethyl Ketone (2-Butanone)	4.7	6.1	NR	4	NR	3	NR	3.8
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2 U	0.53 J	NR	2 U	NR	2 U	NR	2 U
Methyl Methacrylate	2 U	2 U	NR	2 U	NR	2 U	NR	2 U
Methylene Chloride	1.2 J	3.6	NR	1.7 U	NR	1.5 J	NR	1.7 U
Naphthalene	2 U	2 U	NR	2 U	NR	2 U	NR	2 U
N-Butylbenzene	1.1 U	1.1 U	NR	10	NR	1.1 U	NR	1.1 U
N-Heptane	1.1	20	NR	20	NR	0.9	NR	1.5
N-Hexane	2.9	33	NR	31	NR	2.8	NR	2.1
N-Propylbenzene	0.89 J	1.1	NR	61	NR	1.4	NR	1.4
O-Xylene (1,2-Dimethylbenzene)	1.1	1.1	NR	120	NR	1.3	NR	8.4
Sec-Butylbenzene	1.1 U	1.1 U	NR	42	NR	1.1 U	NR	1.1 U
Styrene	1.1	2.4	NR	0.85 U	NR	1.4	NR	0.85
T-Butylbenzene	1.1 U	1.1 U	NR	1.1 U	NR	1.1 U	NR	1.1 U
Tert-Butyl Alcohol	18	20	NR	15	NR	16	NR	6.6 J
Tert-Butyl Methyl Ether	0.72 U	0.72 U	NR	0.72 U	NR	0.72 U	NR	0.72 U
Tetrachloroethylene (PCE)	4.6	34	NR	41	NR	5.1	NR	3.5
Tetrahydrofuran	15 U	15 U	NR	15 U	NR	15 U	NR	15 U
Toluene	3.2	6.2	NR	3.7	NR	3.5	NR	8.6
Trans-1,2-Dichloroethene	1.1	0.21 J	NR	0.33 J	NR	0.79 U	NR	0.79 U
Trans-1,3-Dichloropropene	0.91 U	0.91 U	NR	0.91 U	NR	0.91 U	NR	0.91 U
Trichloroethylene (TCE)	0.2 U	6.9	NR	15	NR	0.2 U	NR	0.3
Trichlorofluoromethane	0.75 J	1.3	NR	0.99 J	NR	0.82 J	NR	0.95 J
Vinyl Bromide	0.87 U	0.87 U	NR	0.87 U	NR	0.87 U	NR	0.87 U
Vinyl Chloride	0.2 U	0.2 U	NR	0.2 U	NR	0.2 U	NR	0.2 U
Xylenes, Total	3.3	3.5	NR	290	NR	3.8	NR	35

Table 4
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Soil Vapor Analytical Results of VOCs

AKRF Sample ID	RI-SV-06_20240509	RI-SV-06_20240509	RI-SV-06A	RI-SV-07_20240509	RI-SV-AA_20240508
Laboratory Sample ID	200-73499-7	200-73499-7	200-74558-1	200-73499-6	200-73499-1
Date Sampled	5/09/2024	5/09/2024	7/29/2024	5/09/2024	5/08/2024
Unit	µg/m ³	µg/m ³	µg/m ³	µg/m ³	µg/m ³
Dilution Factor	85	200	1	1	1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	93 U	NR	1.1 U	1.1 U	1.1 U
1,1,2,2-Tetrachloroethane	120 U	NR	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	130 U	NR	1.5 U	1.5 U	1.5 U
1,1,2-Trichloroethane	93 U	NR	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	69 U	NR	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	17 U	NR	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	320 U	NR	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	84 U	NR	0.98 U	0.98 U	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	130 U	NR	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	100 U	NR	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	69 U	NR	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	79 U	NR	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	120 U	NR	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	84 U	NR	0.98 U	0.98 U	0.98 U
1,3-Butadiene	38 U	NR	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	100 U	NR	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	100 U	NR	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	NR	28,000 D	0.46 J	0.33 J	0.46 J
2-Chlorotoluene	88 U	NR	1 U	1 U	1 U
2-Hexanone	170 U	NR	2 U	2 U	2 U
4-Ethyltoluene	84 U	NR	0.98 U	0.98 U	0.98 U
Acetone	1,000 U	NR	14	51	12
Allyl Chloride (3-Chloropropene)	130 U	NR	1.6 U	1.6 U	1.6 U
Benzene	54 U	NR	0.59 J	0.25 J	0.42 J
Benzyl Chloride	88 U	NR	1 U	1 U	1 U
Bromodichloromethane	110 U	NR	1.3 U	1.3 U	1.3 U
Bromoform	180 U	NR	2.1 U	2.1 U	2.1 U
Bromomethane	66 U	NR	0.78 U	0.78 U	0.78 U
Butane	100 U	NR	1 J	0.87 J	2.4
Carbon Disulfide	130 U	NR	1.6 U	1.6 U	1.6 U
Carbon Tetrachloride	19 U	NR	0.21 J	0.36	0.33
Chlorobenzene	78 U	NR	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	150 U	NR	1.4 J	1 J	0.92 J
Chloroethane	110 U	NR	1.3 U	1.3 U	1.3 U
Chloroform	83 U	NR	0.98 U	0.98 U	0.98 U
Chloromethane	88 U	NR	1.3	0.86 J	1
Cis-1,2-Dichloroethylene	17 U	NR	0.2 U	0.2 U	0.2 U
Cis-1,3-Dichloropropene	77 U	NR	0.91 U	0.91 U	0.91 U
Cyclohexane	3,000	NR	0.69 U	0.69 U	0.69 U
Cymene	93 U	NR	1.1 U	1.1 U	1.1 U
Dibromochloromethane	140 U	NR	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	210 U	NR	2 J	1.9 J	1.8 J
Ethylbenzene	31 J	NR	0.87 U	0.87 U	0.87 U
Hexachlorobutadiene	180 U	NR	2.1 U	2.1 U	2.1 U
Isopropanol	1,000 U	NR	5.1 J	12 U	4 J
Isopropylbenzene (Cumene)	22 J	NR	0.98 U	0.98 U	0.98 U
M,P-Xylenes	38 J	NR	2.2 U	0.68 J	0.52 J
Methyl Ethyl Ketone (2-Butanone)	130 U	NR	1.5	1.5 U	1.6
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	170 U	NR	2 U	2 U	2 U
Methyl Methacrylate	170 U	NR	2 U	2 U	2 U
Methylene Chloride	150 U	NR	1.7 U	1.7 U	1.7 U
Naphthalene	170 U	NR	2 U	2 U	2 U
N-Butylbenzene	93 U	NR	1.1 U	1.1 U	1.1 U
N-Heptane	11,000	NR	0.36 J	0.25 J	0.34 J
N-Hexane	NR	25,000 D	1.8 U	0.47 J	1.8 U
N-Propylbenzene	23 J	NR	0.98 U	0.98 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	74 U	NR	0.87 U	0.87 U	0.87 U
Sec-Butylbenzene	93 U	NR	1.1 U	1.1 U	1.1 U
Styrene	72 U	NR	0.85 U	0.85 U	0.85 U
T-Butylbenzene	93 U	NR	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	1,300 U	NR	15 U	12 J	15 U
Tert-Butyl Methyl Ether	61 U	NR	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	120 U	NR	0.35 J	1.4 U	0.4 J
Tetrahydrofuran	1,300 U	NR	15 U	15 U	15 U
Toluene	64 U	NR	0.79	0.64 J	1
Trans-1,2-Dichloroethene	67 U	NR	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	77 U	NR	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	17 U	NR	0.2 U	0.2 U	0.2 U
Trichlorofluoromethane	96 U	NR	0.97 J	0.91 J	0.94 J
Vinyl Bromide	74 U	NR	0.87 U	0.87 U	0.87 U
Vinyl Chloride	17 U	NR	0.2 U	0.2 U	0.2 U
Xylenes, Total	38 J	NR	3 U	0.68 J	0.52 J

Tables 2-4
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Remedial Investigation
Notes

DEFINITIONS

- B** : The analyte was found in an associated blank, as well as in the sample.
- D** : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
- J** : The concentration given is an estimated value.
- K** : Reported concentration value is proportional to dilution factor and may be exaggerated
- L** : Sample result is estimated and biased low.
- ND** : The standard is a non-detectable concentration by the approved analytical method.
- NR** : Not reported.
- NS** : No standard.
- T** : Indicates that a quality control parameter has exceeded laboratory limits.
- U** : The analyte was not detected at the indicated concentration.
- UJ** : The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise
- mg/kg** : milligrams per kilogram
- ppb** : parts per billion
- ppt** : parts per trillion
- µg/L** : micrograms per liter
- µg/m³** : 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.

- 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 April 2023.

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.

- 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-0X_20240528 is a blind duplicate of sample RI-MW-06_20240528
RI-SB-X_20240729 is a blind duplicate of sample RI-SB-14A_4-6_20240729
RI-SB-X1_6-8_20240506 is a blind duplicate of sample RI-SB-06_6-8_20240506
RI-SB-X2_20240510 is a blind duplicate of sample RI-SB-08_1.5-3.5_20240510
RI-SV-X_20240508 is a blind duplicate of sample RI-SV-03_20240508

Table 5A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY

Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-01_0-2_20210427 460-233032-1 4/27/2021 1 mg/kg	SB-01_4-6_20210427 460-233032-2 4/27/2021 1 mg/kg	SB-02_0-2_20210427 460-233032-3 4/27/2021 1 mg/kg	SB-02_4-6_20210427 460-233032-4 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,1,2-Trichloroethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.27	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.33	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 UT
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,2-Dichloropropane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0015 U	0.0013 U	0.0015 U	0.0013 U
2-Hexanone	NS	NS	NS	0.0076 U	0.0065 U	0.0073 U	0.0064 U
Acetone	0.05	100	0.05	0.0091 U	0.0092	0.0088 U	0.0087
Benzene	0.06	4.8	0.06	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Bromochloromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Bromodichloromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Bromoform	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Bromomethane	NS	NS	NS	0.003 U	0.0026 U	0.0029 U	0.0026 U
Carbon Disulfide	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Chlorobenzene	1.1	100	1.1	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Chloroethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Chloroform	0.37	49	0.37	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Chloromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Cyclohexane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Dibromochloromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Dichlorodifluoromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Ethylbenzene	1	41	1	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
M,P-Xylenes	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Methyl Acetate	NS	NS	NS	0.0076 U	0.0065 U	0.0073 U	0.0064 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0076 U	0.0065 U	0.0073 U	0.0064 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0076 U	0.0065 U	0.0073 U	0.0064 U
Methylcyclohexane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Methylene Chloride	0.05	100	0.05	0.003 U	0.0026 U	0.0029 U	0.0026 U
N-Butylbenzene	12	100	12	0.0015 U	0.0013 U	0.0015 U	0.0013 U
N-Propylbenzene	3.9	100	3.9	0.0015 U	0.0013 U	0.0015 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Sec-Butylbenzene	11	100	11	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Styrene	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
T-Butylbenzene	5.9	100	5.9	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0015 UT	0.00047 JT	0.0015 UT	0.0013 U
Toluene	0.7	100	0.7	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Trichlorofluoromethane	NS	NS	NS	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.02	0.0015 U	0.0013 U	0.0015 U	0.0013 U
Xylenes, Total	0.26	100	1.6	0.003 U	0.0026 U	0.0029 U	0.0026 U

Table 5A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY

Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-03_0-2_20210428 460-233141-1 4/28/2021 1 mg/kg	SB-03_7-9_20210428 460-233141-2 4/28/2021 1 mg/kg	SB-04_0-2_20210428 460-233141-3 4/28/2021 1 mg/kg	SB-04_4-6_20210428 460-233141-4 4/28/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.27	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.33	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.02	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,2-Dichloropropane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.001 U	0.0012 U	0.0014 U	0.0012 U
2-Hexanone	NS	NS	NS	0.0052 U	0.006 U	0.007 U	0.0061 U
Acetone	0.05	100	0.05	0.0063 U	0.022	0.0084 U	0.0073 U
Benzene	0.06	4.8	0.06	0.001 U	0.0012 U	0.0014 U	0.0012 U
Bromochloromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Bromodichloromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Bromoform	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Bromomethane	NS	NS	NS	0.0021 U	0.0024 U	0.0028 U	0.0024 U
Carbon Disulfide	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.76	0.001 U	0.0012 U	0.0014 U	0.0012 U
Chlorobenzene	1.1	100	1.1	0.001 U	0.0012 U	0.0014 U	0.0012 U
Chloroethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Chloroform	0.37	49	0.37	0.001 U	0.0012 U	0.0014 U	0.0012 U
Chloromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.001 U	0.0012 U	0.0014 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Cyclohexane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Dibromochloromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Dichlorodifluoromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Ethylbenzene	1	41	1	0.001 U	0.0012 U	0.0014 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
M,P-Xylenes	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Methyl Acetate	NS	NS	NS	0.0052 U	0.006 U	0.007 U	0.0061 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0052 U	0.0051 J	0.007 U	0.0061 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0052 UT	0.006 UT	0.007 UT	0.0061 UT
Methylcyclohexane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Methylene Chloride	0.05	100	0.05	0.0021 U	0.0024 U	0.0028 U	0.0024 U
N-Butylbenzene	12	100	12	0.001 U	0.0012 U	0.0014 U	0.0012 U
N-Propylbenzene	3.9	100	3.9	0.001 U	0.0012 U	0.0014 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Sec-Butylbenzene	11	100	11	0.001 U	0.0012 U	0.0014 U	0.0012 U
Styrene	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
T-Butylbenzene	5.9	100	5.9	0.001 U	0.0012 U	0.0014 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.001 U	0.0012 U	0.0014 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.001 U	0.0012 U	0.0014 U	0.0004 J
Toluene	0.7	100	0.7	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.47	0.001 U	0.0012 U	0.0014 U	0.0012 U
Trichlorofluoromethane	NS	NS	NS	0.001 U	0.0012 U	0.0014 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.02	0.001 U	0.0012 U	0.0014 U	0.0012 U
Xylenes, Total	0.26	100	1.6	0.0021 U	0.0024 U	0.0028 U	0.0024 U

Table 5A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY

Subsurface (Phase II) Investigation
Soil Analytical Results of Volatile Organic Compounds (VOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-05_0-2_20210427 460-233032-5 4/27/2021 1 mg/kg	SB-05_3-5_20210427 460-233032-6 4/27/2021 1 mg/kg	SB-06_0-2_20210427 460-233032-7 4/27/2021 1 mg/kg	SB-06_6-8_20210427 460-233032-8 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.68	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,1,2,2-Tetrachloroethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,1,2-Trichloroethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,1-Dichloroethane	0.27	26	0.27	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,1-Dichloroethene	0.33	100	0.33	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2,3-Trichlorobenzene	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2,4-Trimethylbenzene	3.6	52	3.6	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2-Dibromo-3-Chloropropane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2-Dichloroethane	0.02	3.1	0.02	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,2-Dichloropropane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	0.0016 U	0.0012 U	0.0012 U	0.00097 U
2-Hexanone	NS	NS	NS	0.0078 U	0.0059 U	0.0061 U	0.0049 U
Acetone	0.05	100	0.05	0.0093 U	0.022	0.0073 U	0.0058 U
Benzene	0.06	4.8	0.06	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Bromochloromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Bromodichloromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Bromoform	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Bromomethane	NS	NS	NS	0.0031 U	0.0024 U	0.0024 U	0.0019 U
Carbon Disulfide	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Carbon Tetrachloride	0.76	2.4	0.76	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Chlorobenzene	1.1	100	1.1	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Chloroethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Chloroform	0.37	49	0.37	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Chloromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Cis-1,3-Dichloropropene	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Cyclohexane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Dibromochloromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Dichlorodifluoromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Ethylbenzene	1	41	1	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Isopropylbenzene (Cumene)	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
M,P-Xylenes	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Methyl Acetate	NS	NS	NS	0.0078 U	0.0059 U	0.0061 U	0.0049 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	0.0078 U	0.0059 U	0.0061 U	0.0049 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	NS	0.0078 U	0.0059 U	0.0061 U	0.0049 U
Methylcyclohexane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Methylene Chloride	0.05	100	0.05	0.0031 U	0.0024 U	0.0024 U	0.0019 U
N-Butylbenzene	12	100	12	0.0016 U	0.0012 U	0.0012 U	0.00097 U
N-Propylbenzene	3.9	100	3.9	0.0016 U	0.0012 U	0.0012 U	0.00097 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Sec-Butylbenzene	11	100	11	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Styrene	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
T-Butylbenzene	5.9	100	5.9	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Tert-Butyl Methyl Ether	0.93	100	0.93	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Tetrachloroethylene (PCE)	1.3	19	1.3	0.0016 UT	0.0012 UT	0.0012 UT	0.00097 UT
Toluene	0.7	100	0.7	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Trans-1,2-Dichloroethene	0.19	100	0.19	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Trans-1,3-Dichloropropene	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Trichloroethylene (TCE)	0.47	21	0.47	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Trichlorofluoromethane	NS	NS	NS	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Vinyl Chloride	0.02	0.9	0.02	0.0016 U	0.0012 U	0.0012 U	0.00097 U
Xylenes, Total	0.26	100	1.6	0.0031 U	0.0024 U	0.0024 U	0.0019 U

Table 5B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-01_0-2_20210427 460-233032-1 4/27/2021 1 mg/kg	SB-01_4-6_20210427 460-233032-2 4/27/2021 1 mg/kg	SB-02_0-2_20210427 460-233032-3 4/27/2021 1 mg/kg	SB-02_4-6_20210427 460-233032-4 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
2,4-Dinitrotoluene	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
2,6-Dinitrotoluene	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
2-Chloronaphthalene	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
2-Methylnaphthalene	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
2-Nitroaniline	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.16 U	0.17 U	0.18 U	0.18 U
3-Nitroaniline	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
4-Bromophenyl Phenyl Ether	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
4-Chloroaniline	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
4-Nitroaniline	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Acenaphthene	20	100	98	0.012 J	0.42 U	0.45 U	0.45 U
Acenaphthylene	100	100	107	0.012 J	0.42 U	0.013 J	0.45 U
Anthracene	100	100	1,000	0.021 J	0.42 U	0.024 J	0.45 U
Benzo(a)Anthracene	1	1	1	0.096	0.02 J	0.092	0.12
Benzo(a)Pyrene	1	1	22	0.11	0.019 J	0.09	0.098
Benzo(b)Fluoranthene	1	1	1.7	0.14	0.033 J	0.13	0.12
Benzo(g,h,i)Perylene	100	100	1,000	0.069 J	0.42 U	0.064 J	0.042 J
Benzo(k)Fluoranthene	0.8	3.9	1.7	0.05	0.042 U	0.049	0.065
Benzyl Butyl Phthalate	NS	NS	NS	0.046 J	0.42 U	0.45 U	0.45 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS	0.039 U	0.042 U	0.045 U	0.045 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS	0.072 J	0.42 U	0.095 J	0.45 U
Carbazole	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Chrysene	1	3.9	1	0.094 J	0.014 J	0.083 J	0.12 J
Dibenz(a,h)Anthracene	0.33	0.33	1,000	0.039 U	0.042 U	0.045 U	0.045 U
Dibenzofuran	7	59	210	0.39 U	0.42 U	0.45 U	0.45 U
Diethyl Phthalate	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Dimethyl Phthalate	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Di-N-Butyl Phthalate	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Di-N-Octylphthalate	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Fluoranthene	100	100	1,000	0.18 J	0.016 J	0.17 J	0.17 J
Fluorene	30	100	386	0.39 U	0.42 U	0.45 U	0.45 U
Hexachlorobenzene	0.33	1.2	3.2	0.039 U	0.042 U	0.045 U	0.045 U
Hexachlorobutadiene	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
Hexachlorocyclopentadiene	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Hexachloroethane	NS	NS	NS	0.039 U	0.042 U	0.045 U	0.045 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	8.2	0.095	0.042 U	0.068	0.061
Isophorone	NS	NS	NS	0.16 U	0.17 U	0.18 U	0.18 U
Naphthalene	12	100	12	0.01 J	0.42 U	0.45 U	0.45 U
Nitrobenzene	NS	NS	NS	0.039 U	0.042 U	0.045 U	0.045 U
N-Nitrosodi-N-Propylamine	NS	NS	NS	0.039 U	0.042 U	0.045 U	0.045 U
N-Nitrosodiphenylamine	NS	NS	NS	0.39 U	0.42 U	0.45 U	0.45 U
Phenanthrene	100	100	1,000	0.091 J	0.42 U	0.11 J	0.042 J
Pyrene	100	100	1,000	0.15 J	0.42 U	0.14 J	0.15 J

Table 5B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-03_0-2_20210428 460-233141-1 4/28/2021 1 mg/kg	SB-03_7-9_20210428 460-233141-2 4/28/2021 1 mg/kg	SB-04_0-2_20210428 460-233141-3 4/28/2021 1 mg/kg	SB-04_4-6_20210428 460-233141-4 4/28/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
2,4-Dinitrotoluene	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
2,6-Dinitrotoluene	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
2-Chloronaphthalene	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
2-Methylnaphthalene	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
2-Nitroaniline	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.15 U	0.18 U	0.17 U	0.16 U
3-Nitroaniline	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
4-Bromophenyl Phenyl Ether	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
4-Chloroaniline	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
4-Nitroaniline	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Acenaphthene	20	100	98	0.38 U	0.44 U	0.014 J	0.41 U
Acenaphthylene	100	100	107	0.024 J	0.44 U	0.025 J	0.41 U
Anthracene	100	100	1,000	0.02 J	0.44 U	0.067 J	0.41 U
Benzo(a)Anthracene	1	1	1	0.092	0.044 U	0.24	0.019 J
Benzo(a)Pyrene	1	1	22	0.11	0.044 U	0.28	0.017 J
Benzo(b)Fluoranthene	1	1	1.7	0.16	0.044 U	0.31	0.018 J
Benzo(g,h,i)Perylene	100	100	1,000	0.089 J	0.44 U	0.18 J	0.41 U
Benzo(k)Fluoranthene	0.8	3.9	1.7	0.084	0.044 U	0.17	0.041 U
Benzyl Butyl Phthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS	0.038 U	0.044 U	0.043 U	0.041 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Carbazole	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Chrysene	1	3.9	1	0.12 J	0.44 U	0.33 J	0.013 J
Dibenz(a,h)Anthracene	0.33	0.33	1,000	0.038 U	0.044 U	0.033 J	0.041 U
Dibenzofuran	7	59	210	0.38 U	0.44 U	0.43 U	0.41 U
Diethyl Phthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Dimethyl Phthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Di-N-Butyl Phthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Di-N-Octylphthalate	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Fluoranthene	100	100	1,000	0.14 J	0.44 U	0.36 J	0.022 J
Fluorene	30	100	386	0.38 U	0.44 U	0.012 J	0.41 U
Hexachlorobenzene	0.33	1.2	3.2	0.038 U	0.044 U	0.043 U	0.041 U
Hexachlorobutadiene	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
Hexachlorocyclopentadiene	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Hexachloroethane	NS	NS	NS	0.038 U	0.044 U	0.043 U	0.041 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	8.2	0.091	0.044 U	0.17	0.041 U
Isophorone	NS	NS	NS	0.15 U	0.18 U	0.17 U	0.16 U
Naphthalene	12	100	12	0.38 U	0.44 U	0.024 J	0.41 U
Nitrobenzene	NS	NS	NS	0.038 U	0.044 U	0.043 U	0.041 U
N-Nitrosodi-N-Propylamine	NS	NS	NS	0.038 U	0.044 U	0.043 U	0.041 U
N-Nitrosodiphenylamine	NS	NS	NS	0.38 U	0.44 U	0.43 U	0.41 U
Phenanthrene	100	100	1,000	0.064 J	0.44 U	0.3 J	0.018 J
Pyrene	100	100	1,000	0.15 J	0.44 U	0.5	0.025 J

Table 5B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-05_0-2_20210427 460-233032-5 4/27/2021 1 mg/kg	SB-05_3-5_20210427 460-233032-6 4/27/2021 1 mg/kg	SB-06_0-2_20210427 460-233032-7 4/27/2021 1 mg/kg	SB-06_6-8_20210427 460-233032-8 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
2,4-Dinitrotoluene	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
2,6-Dinitrotoluene	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
2-Chloronaphthalene	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
2-Methylnaphthalene	NS	NS	NS	0.012 J	0.38 U	0.015 J	0.37 U
2-Nitroaniline	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
3,3'-Dichlorobenzidine	NS	NS	NS	0.15 U	0.16 U	0.15 U	0.15 U
3-Nitroaniline	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
4-Bromophenyl Phenyl Ether	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
4-Chloroaniline	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
4-Chlorophenyl Phenyl Ether	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
4-Nitroaniline	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Acenaphthene	20	100	98	0.013 J	0.38 U	0.017 J	0.37 U
Acenaphthylene	100	100	107	0.027 J	0.38 U	0.053 J	0.37 U
Anthracene	100	100	1,000	0.03 J	0.38 U	0.062 J	0.37 U
Benzo(a)Anthracene	1	1	1	0.17	0.035 J	0.24	0.037 U
Benzo(a)Pyrene	1	1	22	0.2	0.032 J	0.28	0.037 U
Benzo(b)Fluoranthene	1	1	1.7	0.32	0.055	0.4	0.037 U
Benzo(g,h,i)Perylene	100	100	1,000	0.16 J	0.022 J	0.19 J	0.37 U
Benzo(k)Fluoranthene	0.8	3.9	1.7	0.12	0.02 J	0.15	0.037 U
Benzyl Butyl Phthalate	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Bis(2-Chloroethoxy) Methane	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	NS	0.038 U	0.038 U	0.038 U	0.037 U
Bis(2-Chloroisopropyl) Ether	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	NS	0.38 U	0.38 U	0.074 J	0.37 U
Carbazole	NS	NS	NS	0.021 J	0.38 U	0.03 J	0.37 U
Chrysene	1	3.9	1	0.23 J	0.039 J	0.26 J	0.37 U
Dibenz(a,h)Anthracene	0.33	0.33	1,000	0.032 J	0.038 U	0.039	0.037 U
Dibenzofuran	7	59	210	0.013 J	0.38 U	0.014 J	0.37 U
Diethyl Phthalate	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Dimethyl Phthalate	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Di-N-Butyl Phthalate	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Di-N-Octylphthalate	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Fluoranthene	100	100	1,000	0.33 J	0.06 J	0.53	0.37 U
Fluorene	30	100	386	0.014 J	0.38 U	0.018 J	0.37 U
Hexachlorobenzene	0.33	1.2	3.2	0.038 U	0.038 U	0.038 U	0.037 U
Hexachlorobutadiene	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
Hexachlorocyclopentadiene	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Hexachloroethane	NS	NS	NS	0.038 U	0.038 U	0.038 U	0.037 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	8.2	0.18	0.025 J	0.23	0.037 U
Isophorone	NS	NS	NS	0.15 U	0.16 U	0.15 U	0.15 U
Naphthalene	12	100	12	0.028 J	0.016 J	0.03 J	0.37 U
Nitrobenzene	NS	NS	NS	0.038 U	0.038 U	0.038 U	0.037 U
N-Nitrosodi-N-Propylamine	NS	NS	NS	0.038 U	0.038 U	0.038 U	0.037 U
N-Nitrosodiphenylamine	NS	NS	NS	0.38 U	0.38 U	0.38 U	0.37 U
Phenanthrene	100	100	1,000	0.16 J	0.043 J	0.3 J	0.37 U
Pyrene	100	100	1,000	0.28 J	0.052 J	0.46	0.37 U

Table 5C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-01_0-2_20210427 460-233032-1 4/27/2021 1 mg/kg	SB-01_4-6_20210427 460-233032-2 4/27/2021 1 mg/kg	SB-02_0-2_20210427 460-233032-3 4/27/2021 1 mg/kg	SB-02_4-6_20210427 460-233032-4 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	15,800	14,200	17,300	13,600
Antimony	NS	NS	NS	0.16 J	1.1 U	0.18 J	1.1 U
Arsenic	13	16	16	4.3	4.9	3.5	2.7
Barium	350	400	820	130	58.4	183	89.1
Beryllium	7.2	72	47	0.54	0.85	0.58	0.54
Cadmium	2.5	4.3	7.5	0.46 J	0.23 J	0.51 J	0.13 J
Calcium	NS	NS	NS	3,400	5,680	5,830	3,870
Chromium, Total	NS	NS	NS	24.7	20.3	28.3	18.8
Cobalt	NS	NS	NS	9.4	8.4	9.8	7.8
Copper	50	270	1,720	21.7	18.9	317	23.6
Iron	NS	NS	NS	25,400	22,800	23,400	19,900
Lead	63	400	450	144	35.6	343	69.9
Magnesium	NS	NS	NS	4,380	4,860	6,610	4,840
Manganese	1,600	2,000	2,000	684	263	434	246
Mercury	0.18	0.81	0.73	0.14	0.045	0.038	0.051
Nickel	30	310	130	19	20	19.5	14.5
Potassium	NS	NS	NS	1,690	1,200	2,260	1,970
Selenium	3.9	180	4	0.5 J	0.34 J	0.32 J	0.24 J
Silver	2	180	8.3	0.13 J	1.1 U	0.13 J	1.1 U
Sodium	NS	NS	NS	116	708	144	159
Thallium	NS	NS	NS	0.19 J	0.23 J	0.23 J	0.15 J
Vanadium	NS	NS	NS	34	30.9	46	29.7
Zinc	109	10,000	2,480	165	82.6	206	82.1

Table 5C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-03_0-2_20210428 460-233141-1 4/28/2021 1 mg/kg	SB-03_7-9_20210428 460-233141-2 4/28/2021 1 mg/kg	SB-04_0-2_20210428 460-233141-3 4/28/2021 1 mg/kg	SB-04_4-6_20210428 460-233141-4 4/28/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	12,000	13,900	10,100	10,300
Antimony	NS	NS	NS	0.23 J	1.3 U	0.84 J	0.26 J
Arsenic	13	16	16	4.2	2.8	8.3	4
Barium	350	400	820	111	146	745	74.9
Beryllium	7.2	72	47	0.38 J	0.54	0.42 J	0.35 J
Cadmium	2.5	4.3	7.5	0.42 J	1.3 U	0.9 J	0.16 J
Calcium	NS	NS	NS	7,600	2,800	10,100	8,870
Chromium, Total	NS	NS	NS	21.6	23.6	69.5	16.5
Cobalt	NS	NS	NS	9.3	9.5	7.5	7.5
Copper	50	270	1,720	33	16.9	104	20
Iron	NS	NS	NS	19,400	22,600	23,600	16,700
Lead	63	400	450	1,140	10.3	1,170	62.8
Magnesium	NS	NS	NS	5,790	5,560	4,340	6,960
Manganese	1,600	2,000	2,000	267	173	348	371
Mercury	0.18	0.81	0.73	0.094	0.037	0.37	0.22
Nickel	30	310	130	19.9	18.2	18.9	13.5
Potassium	NS	NS	NS	3,110	1,630	1,570	1,580
Selenium	3.9	180	4	0.28 J	0.29 J	0.43 J	0.14 J
Silver	2	180	8.3	0.14 J	1.3 U	0.74 J	1.2 U
Sodium	NS	NS	NS	206	299	248	140
Thallium	NS	NS	NS	0.19 J	0.16 J	0.16 J	0.18 J
Vanadium	NS	NS	NS	31.8	31.2	35.7	25.3
Zinc	109	10,000	2,480	145	84.9	751	74.4

Table 5C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-05_0-2_20210427 460-233032-5 4/27/2021 1 mg/kg	SB-05_0-2_20210427 460-233032-5 4/27/2021 5 mg/kg	SB-05_3-5_20210427 460-233032-6 4/27/2021 1 mg/kg	SB-05_3-5_20210427 460-233032-6 4/27/2021 6 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	6,260	NR	10,300
Antimony	NS	NS	NS	NR	5.3 U	NR	9.1
Arsenic	13	16	16	NR	8.3	NR	5.7
Barium	350	400	820	NR	217	NR	193
Beryllium	7.2	72	47	NR	2.1 U	NR	0.32 J
Cadmium	2.5	4.3	7.5	NR	1.6 J	NR	0.81 J
Calcium	NS	NS	NS	NR	31,400	NR	41,100
Chromium, Total	NS	NS	NS	NR	21.4	NR	24.2
Cobalt	NS	NS	NS	NR	6.4 J	NR	7.6 J
Copper	50	270	1,720	NR	58.1	NR	50.9
Iron	NS	NS	NS	NR	18,400	NR	18,900
Lead	63	400	450	NR	635	NR	753
Magnesium	NS	NS	NS	NR	6,000	NR	8,170
Manganese	1,600	2,000	2,000	NR	269	NR	287
Mercury	0.18	0.81	0.73	0.78	NR	0.39	NR
Nickel	30	310	130	NR	18.7	NR	19.3
Potassium	NS	NS	NS	NR	1,330	NR	2,950
Selenium	3.9	180	4	NR	0.7 J	NR	6.9 U
Silver	2	180	8.3	NR	5.3 U	NR	2.3 J
Sodium	NS	NS	NS	NR	163 J	NR	338 J
Thallium	NS	NS	NS	NR	2.1 U	NR	2.2 U
Vanadium	NS	NS	NS	NR	20.6	NR	30.9
Zinc	109	10,000	2,480	NR	425	NR	201

Table 5C
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Metals

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-06_0-2_20210427 460-233032-7 4/27/2021 1 mg/kg	SB-06_0-2_20210427 460-233032-7 4/27/2021 7 mg/kg	SB-06_6-8_20210427 460-233032-8 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NS	NR	12,600	11,400
Antimony	NS	NS	NS	NR	6.3 U	0.84 U
Arsenic	13	16	16	NR	10	1.5
Barium	350	400	820	NR	282	60
Beryllium	7.2	72	47	NR	0.66 J	0.42
Cadmium	2.5	4.3	7.5	NR	0.81 J	0.84 U
Calcium	NS	NS	NS	NR	22,800	6,440
Chromium, Total	NS	NS	NS	NR	22.3	20.8
Cobalt	NS	NS	NS	NR	9.3 J	8.2
Copper	50	270	1,720	NR	47.3	20.6
Iron	NS	NS	NS	NR	18,200	18,500
Lead	63	400	450	NR	567	6.6
Magnesium	NS	NS	NS	NR	5,580	6,600
Manganese	1,600	2,000	2,000	NR	318	302
Mercury	0.18	0.81	0.73	0.78	NR	0.018 U
Nickel	30	310	130	NR	20.5	16.4
Potassium	NS	NS	NS	NR	1,840	3,010
Selenium	3.9	180	4	NR	1.9 J	1 U
Silver	2	180	8.3	NR	6.3 U	0.84 U
Sodium	NS	NS	NS	NR	289 J	599
Thallium	NS	NS	NS	NR	2.5 U	0.19 J
Vanadium	NS	NS	NS	NR	35.6	28.5
Zinc	109	10,000	2,480	NR	410	39.1

Table 5D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-01_0-2_20210427 460-233032-1 4/27/2021 1 mg/kg	SB-01_4-6_20210427 460-233032-2 4/27/2021 1 mg/kg	SB-02_0-2_20210427 460-233032-3 4/27/2021 1 mg/kg	SB-02_4-6_20210427 460-233032-4 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.08 U	0.086 U	0.091 U	0.091 U
Total PCBs	0.1	1	3.2	0.08 U	0.086 U	0.091 U	0.091 U

Table 5D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-03_0-2_20210428 460-233141-1 4/28/2021 1 mg/kg	SB-03_7-9_20210428 460-233141-2 4/28/2021 1 mg/kg	SB-04_0-2_20210428 460-233141-3 4/28/2021 1 mg/kg	SB-04_4-6_20210428 460-233141-4 4/28/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.077 U	0.089 U	0.087 U	0.083 U
Total PCBs	0.1	1	3.2	0.077 U	0.089 U	0.087 U	0.083 U

Table 5D
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Analytical Results of Polychlorinated Biphenyls (PCBs)

AKRF Sample ID Laboratory Sample ID Date Sampled Dilution Factor Unit				SB-05_0-2_20210427 460-233032-5 4/27/2021 1 mg/kg	SB-05_3-5_20210427 460-233032-6 4/27/2021 1 mg/kg	SB-06_0-2_20210427 460-233032-7 4/27/2021 1 mg/kg	SB-06_6-8_20210427 460-233032-8 4/27/2021 1 mg/kg
Compound	NYSDEC UUSCO	NYSDEC RRSCO	NYSDEC PGWSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1221 (Aroclor 1221)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1232 (Aroclor 1232)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1242 (Aroclor 1242)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1248 (Aroclor 1248)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1254 (Aroclor 1254)	NS	NS	NS	0.59	0.078 U	0.078 U	0.075 U
PCB-1260 (Aroclor 1260)	NS	NS	NS	0.076 U	0.078 U	0.064 J	0.075 U
PCB-1262 (Aroclor 1262)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
PCB-1268 (Aroclor 1268)	NS	NS	NS	0.076 U	0.078 U	0.078 U	0.075 U
Total PCBs	0.1	1	3.2	0.59	0.078 U	0.064 J	0.075 U

Table 6A
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of VOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-01_20210427 460-233064-1 4/27/2021 µg/L 1	TW-03_20210428 460-233152-1 4/28/2021 µg/L 1	TW-04_20210428 460-233152-2 4/28/2021 µg/L 1	TW-05_20210427 460-233064-2 4/27/2021 µg/L 1	RI-TB-GW 460-233064-3 4/27/2021 µg/L 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 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-Trimethylbenzene	5	1 U	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	NR	NR	NR	NR	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	NR	NR	NR	NR	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
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	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 U	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	1 U	1 U	0.46 J	1 U	1 U
Chloromethane	5	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	2.4	1 U	76	0.42 J	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 U	1 U	1 U	1 U	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	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 U	1 U	1 U	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	1.3	1 U	0.75 J	1 U	1 U
Tetrachloroethylene (PCE)	5	30	1 U	440	2	1 U
Toluene	5	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	0.5 J	1 U	1 U
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	2	1 U	9.5	1 U	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	4.1	1 U	1 U
Xylenes, Total	NS	2 U	2 U	2 U	2 U	2 U

Table 6B
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Groundwater Analytical Results of SVOCs

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-01_20210427 460-233064-1 4/27/2021 µg/L 1	TW-03_20210428 460-233152-1 4/28/2021 µg/L 1	TW-04_20210428 460-233152-2 4/28/2021 µg/L 1	TW-05_20210427 460-233064-2 4/27/2021 µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q	CONC Q
1,4-Dioxane (P-Dioxane)	NS	0.2 U	0.2 U	0.12 J	0.2 U
2,4-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 U	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U
Acenaphthene	20	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Benzo(a)Anthracene	0.002	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ND	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	0.002	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	NS	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U
Carbazole	NS	10 U	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	NS	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	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
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	10	2 U	2 U	2 U	2 U
Nitrobenzene	0.4	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U

Table 7
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

Compound	Sample ID		SV-01_20210428	SV-01_20210428	SV-02_20210428	SV-02_20210428	SV-03_20210428
	Lab Sample ID	Date Sampled	200-58258-2	200-58258-2	200-58258-3	200-58258-3	200-58258-4
Unit		Dilution Factor	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$	$\mu\text{g}/\text{m}^3$
Dilution Factor			1	4	1	10	1
NYSDOH Matrix Value		NYSDOH AGV	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1,000	NS	1.1 U	4.4 U	1.1 U	11 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	NS	1.4 U	5.5 U	1.4 U	14 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	0.63 J	6.1 U	0.57 J	15 U	1.5 U
1,1,2-Trichloroethane	NS	NS	1.1 U	4.4 U	1.1 U	11 U	1.1 U
1,1-Dichloroethane	NS	NS	0.81 U	3.2 U	0.81 U	8.1 U	0.81 U
1,1-Dichloroethene	60	NS	0.2 U	0.8 U	0.2 U	2 U	0.2 U
1,2,4-Trichlorobenzene	NS	NS	3.7 U	15 U	3.7 U	37 U	3.7 U
1,2,4-Trimethylbenzene	NS	NS	20	12 D	6.4	9.8 U	20
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.5 U	6.1 U	1.5 U	15 U	1.5 U
1,2-Dichlorobenzene	NS	NS	1.2 U	4.8 U	1.2 U	12 U	1.2 U
1,2-Dichloroethane	NS	NS	0.81 U	3.2 U	0.81 U	8.1 U	0.81 U
1,2-Dichloropropane	NS	NS	0.92 U	3.7 U	0.92 U	9.2 U	0.92 U
1,2-Dichlorotetrafluoroethane	NS	NS	1.4 U	5.6 U	1.4 U	14 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	7.4	4.7 D	2	9.8 U	6.7
1,3-Butadiene	NS	NS	9	5.9 D	2.3	4.4 U	2.1
1,3-Dichlorobenzene	NS	NS	1.2 U	4.8 U	1.2 U	12 U	1.2 U
1,4-Dichlorobenzene	NS	NS	1.2 U	4.8 U	1.2 U	12 U	1.2 U
2,2,4-Trimethylpentane	NS	NS	3.7	2.3 DJ	8.7	4.7 DJ	2.9
2-Chlorotoluene	NS	NS	1 U	4.1 U	1 U	10 U	1 U
2-Hexanone	NS	NS	24	11 D	89	38 D	65
4-Ethyltoluene	NS	NS	4.6	2 DJ	1.8	9.8 U	5.2
Acetone	NS	NS	58	46 DJ	NR	350 D	60
Allyl Chloride (3-Chloropropene)	NS	NS	1.6 U	6.3 U	1.6 U	16 U	1.6 U
Benzene	NS	NS	11	8 D	1.6	6.4 U	3.2
Benzyl Chloride	NS	NS	1 U	4.1 U	1 U	10 U	1 U
Bromodichloromethane	NS	NS	1.3 U	5.4 U	1.3 U	13 U	1.3 U
Bromoform	NS	NS	2.1 U	8.3 U	2.1 U	21 U	2.1 U
Bromomethane	NS	NS	0.78 U	3.1 U	0.78 U	7.8 U	0.78 U
Butane	NS	NS	89	65 D	11	5.7 DJ	18
Carbon Disulfide	NS	NS	10	7.9 D	1.7	16 U	1.5 J
Carbon Tetrachloride	60	NS	0.45	0.88 U	0.22 U	2.2 U	0.22 U
Chlorobenzene	NS	NS	0.92 U	3.7 U	0.92 U	9.2 U	0.92 U
Chlorodifluoromethane	NS	NS	1.2 J	7.1 U	0.88 J	18 U	0.86 J
Chloroethane	NS	NS	1.3 U	5.3 U	1.3 U	13 U	1.3 U
Chloroform	NS	NS	0.39 J	3.9 U	1.1	9.8 U	0.66 J
Chloromethane	NS	NS	1 U	4.1 U	0.65 J	10 U	0.41 J
Cis-1,2-Dichloroethylene	60	NS	0.2 U	0.8 U	0.2 U	2 U	0.2 U
Cis-1,3-Dichloropropene	NS	NS	0.91 U	3.6 U	0.91 U	9.1 U	0.91 U
Cyclohexane	NS	NS	5.5	3.4 D	2	6.9 U	2
Cymene	NS	NS	2.4	1.1 DJ	9.7	4.1 DJ	1.1
Dibromochloromethane	NS	NS	1.7 U	6.8 U	1.7 U	17 U	1.7 U
Dichlorodifluoromethane	NS	NS	2.3 J	2.5 DJ	2.2 J	25 U	2.1 J
Ethylbenzene	NS	NS	8.5	5.9 D	3.4	8.7 U	8.2
Hexachlorobutadiene	NS	NS	2.1 U	8.5 U	2.1 U	21 U	2.1 U
Isopropanol	NS	NS	3.7 J	49 U	5.7 J	120 U	3.6 J
Isopropylbenzene (Cumene)	NS	NS	0.98 U	3.9 U	0.98 U	9.8 U	0.98 U
M,P-Xylenes	NS	NS	34	20 D	15	22 U	37
Methyl Ethyl Ketone (2-Butanone)	NS	NS	NR	150 D	NR	64 D	NR
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	3.3	8.2 U	3	20 U	2.9
Methyl Methacrylate	NS	NS	2 U	8.2 U	2 U	20 U	2 U
Methylene Chloride	1,000	60	1.7 U	6.9 U	1.7 U	17 U	0.6 J
Naphthalene	NS	NS	0.94 J	10 U	2.6 U	26 U	2.6 U
N-Butylbenzene	NS	NS	1.1	4.4 U	1.1 U	11 U	1.3
N-Heptane	NS	NS	25	14 D	NR	250 D	15
N-Hexane	NS	NS	27	19 D	5.1	7 U	6.9
N-Propylbenzene	NS	NS	3.9	2.3 DJ	1.2	9.8 U	4.2
O-Xylene (1,2-Dimethylbenzene)	NS	NS	13	8.4 D	5.4	8.7 U	15
Sec-Butylbenzene	NS	NS	1.5	4.4 U	1.1 U	11 U	1.4
Styrene	NS	NS	1.3	0.58 DJ	0.49 J	8.5 U	1.7
T-Butylbenzene	NS	NS	1.1 U	4.4 U	1.1 U	11 U	1.1 U
Tert-Butyl Alcohol	NS	NS	15 U	61 U	6.2 J	150 U	15 U
Tert-Butyl Methyl Ether	NS	NS	0.72 U	2.9 U	0.72 U	7.2 U	0.72 U
Tetrachloroethylene (PCE)	1,000	30	0.5 J	5.4 U	0.29 J	14 U	5.2
Tetrahydrofuran	NS	NS	15 U	59 U	15 U	150 U	15 U
Toluene	NS	NS	18	11 D	7.3	5.7 DJ	14
Trans-1,2-Dichloroethene	NS	NS	0.79 U	3.2 U	0.79 U	7.9 U	0.79 U
Trans-1,3-Dichloropropene	NS	NS	0.91 U	3.6 U	0.91 U	9.1 U	0.91 U
Trichloroethylene (TCE)	60	2	0.2 U	0.8 U	0.2 U	2 U	0.2 U
Trichlorofluoromethane	NS	NS	1.7	1.2 DJ	1.3	11 U	1.4
Vinyl Bromide	NS	NS	0.87 U	3.5 U	0.87 U	8.7 U	0.87 U
Vinyl Chloride	60	NS	0.2 U	0.8 U	0.2 U	2 U	0.2 U

Table 7
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Soil Vapor Analytical Results of VOCs

			Sample ID SV-03_20210428 Lab Sample ID 200-58258-4 Date Sampled 4/28/2021 Unit µg/m ³ Dilution Factor 10	SV-04_20210428 200-58258-5 4/28/2021 µg/m ³ 20	AA-01_20210428 200-58258-1 4/28/2021 µg/m ³ 1
Compound	NYSDOH Matrix Value	NYSDOH AGV	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1,000	NS	11 U	22 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	NS	14 U	27 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane (Freon TF)	NS	NS	15 U	31 U	0.56 J
1,1,2-Trichloroethane	NS	NS	11 U	22 U	1.1 U
1,1-Dichloroethane	NS	NS	8.1 U	16 U	0.81 U
1,1-Dichloroethene	60	NS	2 U	4 U	0.2 U
1,2,4-Trichlorobenzene	NS	NS	37 U	74 U	3.7 U
1,2,4-Trimethylbenzene	NS	NS	11 D	39	0.47 J
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	15 U	31 U	1.5 U
1,2-Dichlorobenzene	NS	NS	12 U	24 U	1.2 U
1,2-Dichloroethane	NS	NS	8.1 U	16 U	0.81 U
1,2-Dichloropropane	NS	NS	9.2 U	18 U	0.92 U
1,2-Dichlorotetrafluoroethane	NS	NS	14 U	28 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	3.7 DJ	34	0.98 U
1,3-Butadiene	NS	NS	4.4 U	8.8 U	0.44 U
1,3-Dichlorobenzene	NS	NS	12 U	24 U	1.2 U
1,4-Dichlorobenzene	NS	NS	12 U	24 U	1.2 U
2,2,4-Trimethylpentane	NS	NS	9.3 U	23	1.8
2-Chlorotoluene	NS	NS	10 U	21 U	1 U
2-Hexanone	NS	NS	28 D	41 U	2 U
4-Ethyltoluene	NS	NS	2.8 DJ	20	0.98 U
Acetone	NS	NS	120 U	840	13
Allyl Chloride (3-Chloropropene)	NS	NS	16 U	31 U	1.6 U
Benzene	NS	NS	2.5 DJ	23	1.1
Benzyl Chloride	NS	NS	10 U	21 U	1 U
Bromodichloromethane	NS	NS	13 U	27 U	1.3 U
Bromoform	NS	NS	21 U	41 U	2.1 U
Bromomethane	NS	NS	7.8 U	16 U	0.78 U
Butane	NS	NS	9.2 DJ	48	NR
Carbon Disulfide	NS	NS	16 U	12 J	1.6 U
Carbon Tetrachloride	60	NS	2.2 U	4.4 U	0.49
Chlorobenzene	NS	NS	9.2 U	18 U	0.92 U
Chlorodifluoromethane	NS	NS	18 U	35 U	1.5 J
Chloroethane	NS	NS	13 U	26 U	1.3 U
Chloroform	NS	NS	9.8 U	20 U	0.98 U
Chloromethane	NS	NS	10 U	21 U	1.6
Cis-1,2-Dichloroethylene	60	NS	2 U	4 U	0.39
Cis-1,3-Dichloropropene	NS	NS	9.1 U	18 U	0.91 U
Cyclohexane	NS	NS	6.9 U	51	2.9
Cymene	NS	NS	11 U	5.3 J	1.1 U
Dibromochloromethane	NS	NS	17 U	34 U	1.7 U
Dichlorodifluoromethane	NS	NS	25 U	49 U	2.5
Ethylbenzene	NS	NS	6.8 DJ	140	0.54 J
Hexachlorobutadiene	NS	NS	21 U	43 U	2.1 U
Isopropanol	NS	NS	120 U	250 U	7.6 J
Isopropylbenzene (Cumene)	NS	NS	9.8 U	20 U	0.98 U
M,P-Xylenes	NS	NS	20 DJ	350	1.8 J
Methyl Ethyl Ketone (2-Butanone)	NS	NS	330 D	650	1.4 J
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	20 U	26 J	2 U
Methyl Methacrylate	NS	NS	20 U	41 U	60
Methylene Chloride	1,000	60	17 U	35 U	0.66 J
Naphthalene	NS	NS	26 U	52 U	NR
N-Butylbenzene	NS	NS	11 U	22 U	1.1 U
N-Heptane	NS	NS	6.6 DJ	150	1.1
N-Hexane	NS	NS	7 U	49	2.4
N-Propylbenzene	NS	NS	2.5 DJ	25	0.98 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	10 D	210	0.57 J
Sec-Butylbenzene	NS	NS	11 U	5 J	1.1 U
Styrene	NS	NS	8.5 U	1,500	0.85 U
T-Butylbenzene	NS	NS	11 U	22 U	1.1 U
Tert-Butyl Alcohol	NS	NS	150 U	300 U	15 U
Tert-Butyl Methyl Ether	NS	NS	7.2 U	14 U	0.72 U
Tetrachloroethylene (PCE)	1,000	30	1.9 DJ	45	0.42 J
Tetrahydrofuran	NS	NS	150 U	290 U	15 U
Toluene	NS	NS	9 D	560	7
Trans-1,2-Dichloroethene	NS	NS	7.9 U	16 U	0.79 U
Trans-1,3-Dichloropropene	NS	NS	9.1 U	18 U	0.91 U
Trichloroethylene (TCE)	60	2	2 U	4 U	0.2 U
Trichlorofluoromethane	NS	NS	11 U	22 U	1.6
Vinyl Bromide	NS	NS	8.7 U	17 U	0.87 U
Vinyl Chloride	60	NS	2 U	4 U	0.2 U

Tables 5-7
Brookfield Commons Phase 3
159 South Lexington Avenue, White Plains, NY
Subsurface (Phase II) Investigation
Notes

DEFINITIONS

- D** : Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
- J** : The concentration given is an estimated value.
- ND** : The standard is a non-detectable concentration by the approved analytical method.
- NR** : Not reported.
- NS** : No standard.
- T** : Indicates that a quality control parameter has exceeded laboratory limits.
- U** : The analyte was not detected at the indicated concentration.
- mg/kg** : milligrams per kilogram
- µg/L** : micrograms per liter
- µg/m³** : 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].

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.

- 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.

- NYSDOH Soil Vapor Intrusion Air Guidance Value** : New York State Department of Health (NYSDOH) Air Guideline Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE, August 2015 for TCE, and May 2017 for NYSDOH Matrices A, B, and C for PCE, TCE, c1,2-DCE, 1,1-DCE, carbon tetrachloride, 1,1,1-TCA, methylene chloride, and vinyl chloride. The matrix values listed are the sub-slab soil vapor concentration where mitigation is recommended regardless of the indoor air concentration.

Exceedances of NYSDOH Soil Vapor Intrusion Air Guidance Values are highlighted in bold font.
Exceedances of NYSDOH Soil Vapor Intrusion Air Guidance Matrix Values are highlighted in gray.

Table 8 - Proposed Monitoring Well Construction Details

		Geologic Conditions - Depth (feet)				Well Construction - Depth (feet)								Notes
MW ID	Well Type	GW	Assumed Top of BR	Assumed Top of	Assumed First	Secondary Steel		2" PVC Screen		Sand Pack Interval		Bentonite Interval		
						Top	Bottom	Top	Bottom	Top	Bottom	Top	Bottom	
RI-MW-9D	Deep	6	25					20	25	18	25	18	16	
RI-MW-9BR	BR	6	25	37	47	0	42	45	50	43	50	43	41	
RI-MW-10D	Deep	5	30					25	30	23	30	23	21	
RI-MW-10BR	BR	5	30	35	45	0	40	43	48	41	48	41	39	
RI-MW-11D	Deep	6	15					10	15	8	15	8	6	
RI-MW-11BR	BR	6	15	25	35	0	30	33	38	31	38	31	29	
RI-MW-12	Shallow	6						2	12	1	2	0	1	1' sandpack & 1' bentonite due to shallow GW
RI-MW-12D	Deep	6	25					20	25	18	25	18	16	
RI-MW-13	Shallow	6						2	12	1	2	0	1	1' sandpack & 1' bentonite due to shallow GW
RI-MW-13D	Deep	6	20					15	20	13	20	13	11	

OFF-SITE PREVIOUS INVESTIGATIONS

Brookfield Commons - Phase 2

WHITE PLAINS, NEW YORK

Subsurface (Phase II) Investigation

AKRF Project Number: 170131

Prepared for:

Trinity New York Development, LLC
1350 Broadway, Suite #2203
New York, New York 10018

Prepared by:



34 South Broadway, Suite 401
White Plains, New York 10601
914-949-7336

SEPTEMBER 2017

TABLE OF CONTENTS

1.0	Introduction.....	1
2.0	Previous Investigations	1
3.0	Field Activities.....	3
3.1	Geophysical Survey and Utility Mark-Outs	3
3.2	Soil Sampling	3
3.3	Groundwater Sampling.....	4
3.4	Soil Vapor Sampling	4
4.0	Investigation Results.....	4
4.1	Geophysical Survey and Utility Mark Outs.....	4
4.2	Field Observations.....	5
4.3	Soil Analytical Results	5
4.4	Groundwater Analytical Results.....	5
4.5	Soil Vapor and Ambient Air Analytical Results	6
5.0	Conclusions and Recommendations	6
5.1	Conclusions	7
5.2	Recommendations	8
6.0	Limitations.....	9
7.0	Soil Disposal Issues	10

TABLES

Table 1 – Soil Analytical Results of Volatile Organic Compounds (VOCs)
Table 2 – Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)
Table 3 – Soil Analytical Results of Metals
Table 4 – Water Analytical Results of VOCs
Table 5 – Water Analytical Results of SVOCs
Table 6 – Soil Analytical Results of Polychlorinated Biphenyls (PCBs)
Table 7 – Soil Vapor and Ambient Air Analytical Results of VOCs

FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Plan

APPENDICES

Appendix A – Photographic Documentation
Appendix B – Geophysical Investigation Report
Appendix C – Field Logs
Appendix D – Laboratory Analytical Reports

1.0 INTRODUCTION

On July 20, 2017, AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at 135 South Lexington Avenue (the Property) in White Plains, New York (see Figure 1). The Property was developed with a vacant nine-story apartment building with a basement and surrounding lawns and walkways, which were part of a multi-story apartment building complex identified as Brookfield Commons or Winbrook. The remainder of the complex was located to the north, south and east of the Property. Winbrook is bounded by South Lexington Avenue, Post Road, Quarropas Street, and Dr. Martin Luther King Jr. Boulevard. The Property is maintained by the White Plains Housing Authority and is identified as Section 125.83, Block 7, Lot 1. The proposed development includes demolition of the existing building and development of a new building and parking lot. The Phase II investigation was conducted to evaluate subsurface conditions to determine if any remediation is required prior to or during redevelopment, and ensure proper handling of soil and/or groundwater during future subsurface disturbance. The scope of this investigation was based on AKRF's June 2017 *Phase I Environmental Site Assessment* (ESA) and consisted of a geophysical survey followed by collection of soil, soil vapor and groundwater samples for field screening and laboratory analysis. This report describes methods and results of the investigation. Sampling locations are depicted on Figure 2. A photographic log depicting the field activities is included as Appendix A.

2.0 PREVIOUS INVESTIGATIONS

Phase I Environmental Site Assessment (ESA), 135 South Lexington Avenue, AKRF, Inc. – June 2017

AKRF's June 2017 Phase I ESA revealed the following:

Recognized Environmental Conditions (RECs):

- Historical land uses in the vicinity of the Property included the White Plains Hospital, auto sales, auto and bicycle repair shops, filling stations and stores with petroleum underground storage tanks (USTs), woodworking and painting shops, dry cleaners, a rug cleaner, undertakers, sheet metal works, electrical businesses, and a printer. The reconnaissance also identified the hospital, active and former filling stations, auto repair shops, car dealerships, two laundries (including one identified on historical land use maps and in the regulatory database as a dry cleaner), and a hardware shop with a glass cutting service in close proximity to the Property.
- Numerous nearby active- and closed-status petroleum spills, petroleum bulk storage facilities, hazardous waste generators (including generators of chlorinated solvents), and a State Brownfield Cleanup Program Site were reported in regulatory databases.
- One of the spills reported in close proximity to the Property was active-status NYSDEC Spill No. 9713110 at a former filling station at 26 East Post Road, approximately 330 feet south of the Property. Based on information provided to AKRF, this spill resulted in a plume of petroleum-contaminated groundwater extending from the former filling station onto the Winbrook complex (south of the Property). Remedial activities included removal of contaminated soil, groundwater, and soil vapor, and installation and sampling of numerous groundwater monitoring wells. The nearest of these wells were located approximately 60 to 240 feet south and east, respectively, of the Property. Groundwater sampling of these wells in August 2016 indicated no evidence of significant concentrations with petroleum-related volatile organic compounds (VOCs) in the well nearest the Property. However, these wells contained elevated concentrations of VOCs associated with chlorinated solvents, including tetrachloroethene (PCE) at up to 1,000 parts per billion (ppb) and

tetrachloroethene (TCE) at up to 55 ppb. The source of these chlorinated VOCs has not been identified.

Controlled RECs (CRECs)

- The Winbrook complex, including the Property, was heated by steam generated at a heating plant located in a basement of an off-site building (33 Fisher Avenue) approximately 230 feet southeast of the Property. The plant's boilers were supplied by two, 20,000-gallon No. 4 fuel oil USTs located beneath a lawn west of the boiler room. Five closed-status spills were reported in connection with these USTs, including three tightness test failures in 1989-2010, a minor surface spill in 1993, and an approximately 700-gallon release due to overfill in 2000 which reportedly required cleanup of a nearby playground area. The playground is approximately 200 feet southeast of the Property. As noted above, no evidence of significant petroleum contamination was identified in groundwater in the vicinity of the Property in 2016; thus, the historical spills are considered to be Controlled RECs (CRECs) rather than RECs.

De Minimis Conditions

- Stream filling and demolition of historical structures on the Property may be associated with fill materials of unknown origin. A 2012 subsurface investigation of the north-adjacent parcel indicated the presence of an approximately 0.5 to 1-foot topsoil layer, underlain by approximately 3 feet of fill materials (including sand, gravel, brick and glass), which were underlain in turn by apparent native soil.
- At the time of the reconnaissance, the Property building was equipped with a trash compactor. However, historical plans showed the compactor room in the basement was an incinerator room.
- Chemical storage at the Property included one five-gallon bucket of hydraulic oil, paint and cleaning and maintenance chemicals in containers up to five gallons, and 55-gallon drums of cleaning chemicals, which were stored in various basement areas. The observed chemicals were neatly stored and labeled, with no evidence of a release.

Other on-site environmental concerns (items outside the scope of E1527-13 like ACM, LBP and/or PCBs in building materials or fill/debris)

- A hazardous materials survey of the Property building in 2016 included an asbestos survey, which identified asbestos-containing materials (ACM), including vinyl floor tile and mastic, linoleum and mastic, thermal pipe insulation, window caulking, and the roof of the elevator bulkhead based on laboratory analysis. Other building materials were identified as not containing asbestos. Building materials, including the identified ACM, were noted to be in good to damaged condition.
- The 2016 hazardous materials survey also included sampling for lead-based paint. This survey did not identify lead-based paint on interior painted surfaces. However, lead-based paint may be used on exterior surfaces (painted brick walls). Painted surfaces were observed to be in fair to poor condition. During the reconnaissance, there was no observation of residential occupancy, child care facilities or other uses where the extended presence of children would be expected.
- Based on the age of the building, window caulking, electrical equipment, fluorescent lighting fixtures, and hydraulic compactor equipment may contain polychlorinated biphenyls (PCBs). In addition, electrical equipment (e.g., switches and thermostats) and fluorescent lamps may contain mercury.

Potential for Vapor Encroachment

This Phase I assessment identified a potential for subsurface vapors, and thus a potential for vapor encroachment into current or future buildings at the Property.

3.0 FIELD ACTIVITIES**3.1 Geophysical Survey and Utility Mark-Outs**

On July 20, 2017, a geophysical survey was conducted across accessible portions of the Property by Enviroprobe Service, Inc. of Mount Laurel, New Jersey to clear the proposed boring locations for subsurface utilities and to locate other potential buried structures. The geophysical survey included both electromagnetic (EM) and ground penetrating radar (GPR) methods. All utility locations were marked out with spray paint prior to drilling. Linear anomalies consistent with utilities were designated with spray paint using the following colors: red – electric and pink – storm sewer. In addition natural gas lines were located near areas of proposed borings. The Geophysical Investigation Report is attached as Appendix B.

Cascade Drilling LP (Cascade), the drilling contractor, called Dig Safely New York at least three days prior to the start of intrusive work.

3.2 Soil Sampling

On July 20, 2017, Cascade advanced six soil borings at the locations shown on Figure 2. The borings were installed with a Geoprobe® direct push probe (DPP) unit to approximately 15 feet below grade. The locations were as follows:

- SB-1: west adjacent to the walkway off of South Lexington Avenue between 135 and 159
- SB-2 and SB-3: on the southern boundary of the Property
- SB-4, SB-5, and SB-6: along the northern boundary of the Property

Soil cores were collected from each boring using 5-foot long, 2-inch diameter, macrocore piston rod samplers fitted with acetate liners. Each core was split lengthwise and logged by AKRF field personnel. Logging consisted of: describing the soil according to the modified Burmister Classification System; describing any evidence of contamination (e.g., staining, sheens, odors); and screening the soil for organic vapors using a photoionization detector (PID) in one-foot intervals. The PID was calibrated at the start of the work day using isobutylene gas in accordance with the manufacturer's instructions. Two samples from soil borings SB-1 and SB-2 along with one sample from SB-3, SB-4, SB-5, and SB-6 were selected for laboratory analysis, based on any PID response or visual indications of contamination and the site setting. Where no evidence of contamination was observed the sample was collected from 8-10 feet below grade, based on anticipated depth of excavation.

Samples designated for analysis were placed into laboratory-supplied containers and a chilled cooler, and submitted via courier to Test America Inc. in Edison, New Jersey, a New York State-certified laboratory. Samples were analyzed for volatile organic compounds (VOCs) by EPA Method 8260 and semi-volatile organic compounds (SVOCs) by EPA Method 8270. Select soil samples were also analyzed for polychlorinated biphenyls (PCBs) by EPA Method 8082, and total metals by EPA Method 6010. Soil boring logs are provided in Appendix C.

3.3 Groundwater Sampling

Groundwater was sampled via temporary wells (TWs) retrofitted in the soil borings at SB-1, SB-2, SB-3, and SB-5. TW-1 through TW-3 were collected within the footprint of the proposed new building. TW-5 was installed on the northern portion of the property to provide site coverage.

No free phase product was detected in any of the wells. After purging three well volumes using a peristaltic pump, groundwater samples were collected in laboratory supplied glassware and were sealed and placed in a chilled cooler with an appropriate chain of custody (COC) for transport. The samples were analyzed for VOCs by EPA Method 8260 and SVOCs by EPA Method 8270. Groundwater sampling logs are provided in Appendix C.

3.4 Soil Vapor Sampling

Four soil vapor probes (SV-1, SV-2, SV-3, and SV-5) were installed adjacent to soil borings SB-1, SB-2, SB-3, and SB-5 to collect soil vapor samples. SV-1 through SV-3 were collected within the footprint of the proposed new building. SV-5 was installed on the northern portion of the property to provide site coverage. One ambient air sample was collected in the vicinity of SV-3 to record outdoor air conditions. The probes were installed using the DPP to advance a 0.75-inch diameter hollow probe rod fitted with an expendable 6-inch long stainless steel screened drive point to 5 feet below grade. Dedicated Teflon tubing with threaded fittings was connected to each probe. The hollow probe rod was then removed and the boring backfilled with clean silica sand to one foot above the screen. Hydrated bentonite was used to fill the remaining void to grade.

Prior to sampling, approximately 3 system volumes (2.1 L) was purged from each probe using a Gilair Plus low flow sampling pump. During purging, an inverted one-gallon bucket was placed over the sampling point and helium gas was introduced through a small hole in the bucket to saturate the atmosphere around the sample port with helium. The purged vapors were collected in 1-liter Tedlar bags and were monitored with a portable helium detector to check for short-circuiting by ambient air into the sampling point, i.e., to verify the adequacy of the bentonite seal. Helium was not detected at any of the points indicating integrity. Purged vapors were also field-screened for organic vapors using the PID; detected values ranged from 12.1 to 21 ppm. After purging, each probe was connected via Teflon tubing to a laboratory-supplied 6-liter SUMMA canister equipped with a 0.05 liter per minute (L/min) flow regulator. Soil vapor samples were collected for approximately two hours.

Methodologies used for soil vapor assessment were consistent with the New York State Department of Health (NYSDOH) *Final Guidance on Soil Vapor Intrusion*, October 2006 and ASTM E 2600-08 *Standard Practice for Assessment of Vapor Intrusion into Structures on Property Involved in Real Estate Transactions*. Soil vapor and ambient air sampling locations are shown on Figure 2 and associated sampling logs are included in Appendix C.

4.0 INVESTIGATION RESULTS

4.1 Geophysical Survey and Utility Mark Outs

On July 20, 2017, a geophysical survey was conducted across accessible exterior portions of the Site by Enviroprobe Service, Inc. of Moorestown, New Jersey to clear the proposed boring locations for subsurface utilities and to locate other potential buried structures such as USTs. The geophysical survey included both electromagnetic and ground penetrating radar (GPR) methods. Utility locations were marked out with spray paint prior to the commencement of drilling

activities. No anomalies consistent with USTs or buried aboveground storage tank (ASTs) were identified. The geophysical investigation report is attached as Appendix B.

4.2 Field Observations

Soil encountered during the borings (which extended to approximately 15 feet below grade) was seemingly historical fill (approximately 5 to 10 feet thick), (including asphalt, brick and gravel) underlain by native materials including varying amounts of silt, clay, sand and gravel. PID readings were only found in two of the borings: from 0.2 to 0.3 parts per million (ppm) in SB-1 (2-3') and from 0.1 to 1.1 ppm in SB-2 (2-13'). No odors or staining were observed in any boring.

Groundwater was first encountered at between 7.34 and 7.89 feet below grade. No free phase product was detected in any of the wells.

Soil descriptions, observations, and PID readings were recorded on the soil boring logs provided in Appendix D.

4.3 Soil Analytical Results

Soil analytical results from the eight samples were compared to the 6 NYCRR Part 375-6.4 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). The full laboratory analytical report is included in Appendix E. A summary of the soil analytical results follows:

Volatile Organic Compounds (VOCs)

No VOCs were detected above UUSCOs or RRSCOs. Soil analytical results for VOCs are summarized in Table 1.

Semivolatile Organic Compounds (SVOCs)

No SVOCs were detected above UUSCOs or RRSCOs. Soil analytical results for SVOCs are summarized in Table 2.

Metals

Nineteen metals were detected in at least one sample. Barium was detected in soil sample SB-6 (8'-10') at a concentration of 358 milligrams per kilogram (mg/kg), above its UUSCO of 350 mg/kg, but below its RRSCO of 400 mg/kg. Chromium was detected at 30.9 and 33.6 mg/kg in SB-4 (8'-10') and SB-5 (8'-10'), respectively, above its UUSCO of 30 mg/kg, but below its RRSCO of 180 mg/kg. Lead was detected in SB-6 (8'-10') at 472 mg/kg, above its UUSCO of 63 mg/kg and RRSCO of 400 mg/kg. Zinc was detected at 281 mg/kg in SB-6 (8'-10'), above its UUSCO of 109 mg/kg, but below its RRSCO of 10,000 mg/kg. Soil analytical results for metals are summarized in Table 3.

Polychlorinated Biphenyls (PCBs)

No PCBs were detected above their UUSCOs or RRSCOs. Soil analytical results for PCBs are presented in Table 4.

4.4 Groundwater Analytical Results

Groundwater analytical results from the four samples (and the trip blank) were compared to the NYSDEC Class GA Ambient Water Quality Standards (AWQS), listed in NYSDEC Division of Water *Technical Operational and Guidance Series (TOGS) 1.1.1*. The full laboratory analytical report is included in Appendix D.

VOCs

Seven VOCs were detected in at least one sample, three of which were above AWQS. Cis-1,2-Dichloroethene (cis-1,2-DCE) was detected at between 9.8 and 27 micrograms per liter ($\mu\text{g/l}$) in TW-1, TW-2, and TW-5, above its AWQS of 5 $\mu\text{g/l}$. Tetrachloroethene (PCE) was detected at 65 and 100 $\mu\text{g/l}$ in TW-1 and TW-5, respectively, above its AWQS of 5 $\mu\text{g/l}$. Trichloroethene (TCE) was detected at 16 $\mu\text{g/l}$ in TW-5, above its AWQS of 0.4 $\mu\text{g/l}$. Groundwater analytical results for VOCs are summarized in Table 5.

SVOCs

No SVOCs were detected above AWQS. Groundwater analytical results for SVOCs are presented in Table 6.

4.5 Soil Vapor and Ambient Air Analytical Results

Analytical results for the four soil vapor samples SV-1, SV-2, SV-3, and SV-5 were compared to the NYSDOH indoor Air Guideline Values (AGVs) in the *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, dated October 2006, incorporating subsequent 2013, 2015 and 2017 Updates. There are AGVs for two of the VOCs detected (methylene chloride and PCE).

- Methylene chloride was only detected in SV-2, and its concentration 6.5 micrograms per cubic meter ($\mu\text{g/m}^3$) was approximately one tenth of the 60 $\mu\text{g/m}^3$ indoor AGV
- PCE was detected in all four samples, but only SV-1 (80 $\mu\text{g/m}^3$) exceeded the indoor AGV of 30 $\mu\text{g/m}^3$.

Twenty two other VOCs were detected in one or more samples, mostly compounds typically associated with gasoline, specifically 1,2,4-trimethylbenzene (maximum concentration of 65 $\mu\text{g/m}^3$), 1,3,5-trimethylbenzene (maximum 18 $\mu\text{g/m}^3$), 4-ethyltoluene (18 $\mu\text{g/m}^3$), carbon disulfide (9.7 $\mu\text{g/m}^3$), ethylbenzene (16 $\mu\text{g/m}^3$), m,p-xylene (85 $\mu\text{g/m}^3$), methyl ethyl ketone (230 $\mu\text{g/m}^3$), o-xylene (34 $\mu\text{g/m}^3$), methyl isobutyl ketone (8.4 $\mu\text{g/m}^3$), naphthalene (84 $\mu\text{g/m}^3$), n-butylbenzene (6.9 $\mu\text{g/m}^3$), n-hexane (20 $\mu\text{g/m}^3$), n-propylbenzene (6 $\mu\text{g/m}^3$), o-xylene (34 $\mu\text{g/m}^3$), sec-butylbenzene (2.5 $\mu\text{g/m}^3$), styrene (2.5 $\mu\text{g/m}^3$), and toluene (180 $\mu\text{g/m}^3$).

Analytical results for soil vapor samples and the ambient air sample are summarized in Table 7.

5.0 CONCLUSIONS AND RECOMMENDATIONS

AKRF, Inc. (AKRF) conducted a Subsurface (Phase II) Investigation at 135 South Lexington Avenue (the Property) in White Plains, New York, as shown on Figure 1. It was conducted on July 20, 2017 and included the following:

- A geophysical survey conducted across accessible portions of the Property identified subsurface utilities and to locate other potential buried structures. No anomalies consistent with USTs or buried ASTs were identified;
- The advancement of six soil borings, four of which were retrofitted as temporary groundwater monitoring wells and four soil vapor sampling points; and
- The collection of eight soil, four groundwater, and four soil vapor samples for laboratory analyses.

Soil encountered during the borings (which extended to approximately 15 feet below grade) was seemingly historical fill (approximately 5 to 10 feet thick) including asphalt, brick and gravel, underlain by native materials consisting of varying amounts of silt, clay, sand and gravel. PID readings ranged from 0.2 to 0.3 parts per million (ppm) in soil boring SB-1 (0-5') and from 0.1 to 1.1 ppm in SB-2 (0-15'). No PID detections were encountered in the remaining soil borings. No odors or staining were observed in any of the soil borings.

Groundwater was first encountered at depths ranging from 7.34 to 7.89 feet below grade. No free phase product was detected in any of the wells (using a multi-parameter interface probe).

Purged soil vapors were field-screened for organic vapors using a PID. VOCs were detected at all four of the soil vapor points at concentrations ranging from 12.1 to 21 ppm.

Soil descriptions, observations, and PID readings were recorded on the soil boring logs provided in Appendix C.

5.1 Conclusions

Results from the soil samples were compared to the 6 NYCRR Part 375-6.4 Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs). These SCOs were developed by NYSDEC assuming long-term human exposure to the soils (in a single-family/agricultural or multi-family setting), neither scenario is currently occurring or would occur with the proposed redevelopment. Notwithstanding this, no VOCs, SVOCs or PCBs exceeded any of the SCOs and the exceedances for metals were only for the UUSCOs, with the exception of lead which, in one sample (with 472 mg/kg) slightly exceeded the RRSCOs. However, lead is ubiquitous in the urban environment and such a level is neither unusual nor likely to suggest the requirement for special handling (i.e., as a hazardous waste) should that area require excavation.

Results from the groundwater samples were compared to NYSDEC Class GA Ambient Water Quality Standards (AWQS), which were developed using the scenario that the groundwater would be a source of drinking water; again a scenario that does not currently and would not in the future occur. Three individual VOCs exceeded AWQS, by factors up to 40. However, VOCs are ubiquitous in urban groundwater and such concentrations are not unusual and higher concentrations were found in wells that were apparently hydraulically upgradient of the property, indicating both the source is likely not at the Property and that the conditions are not limited to the Property.

Results from the soil vapor samples were compared to the NYSDOH indoor AGVs. These values are for inside buildings, but they were used for comparison in the absence of soil vapor standards or guidelines. In reality, at most a very small proportion of soil vapor would be expected to migrate into an overlying building, especially a newly constructed building with no cracks in the slab. One of the four samples exceeded the AGV for PCE by a factor of 2.7. It should be noted that the US Environmental Protection Agency recommends a generic attenuation factor from soil vapor to indoor air of 33.3, even with an existing old slab. Additional VOCs, for which there are no AGVs, were also detected, the majority of which are typically associated with gasoline. As with the soil and groundwater results, these findings were typical of urban environments.

5.2 Recommendations

AKRF understands that the proposed development requires demolition of the existing vacant building and development of a new building (without a basement) and parking areas.

Based on the above Conclusions, AKRF recommends the following relating to the subsurface work:

- Prior to beginning excavation of the property, waste characterization soil/fill samples should be collected and analyzed in accordance with disposal facility requirements for all surplus soil/fill to be removed from the Property during redevelopment. This material should be handled and managed in accordance with applicable regulations, as discussed in Section 7.0. Transportation of material leaving the Property for must be in accordance with federal, state and local regulatory requirements covering licensing of haulers and trucks, placarding, truck routes, manifesting, etc.
- No evidence of underground storage tanks (USTs) was encountered by the geophysical survey or the sampling program. However, if any USTs or contaminated soil are encountered during redevelopment, such tanks should be registered with NYSDEC and/or the WCDOH, if required, and closed and removed along with any contaminated soil in accordance with applicable regulations.
- A vapor barrier should be installed as part of the waterproofing for the new construction. The barrier should be installed outside of the below-grade foundation walls and below the horizontal slab. The barrier will serve to mitigate potential vapors from entering the new construction.
- New landscaped areas (i.e., not areas covered by buildings, paving or other impervious surfaces) should include uppermost at least two feet of soils (either imported or reused from excavation at the Property) that testing indicates meet the 6 NYCRR Part 375-6.4 RRSCOs.
- If dewatering is required during future construction activities, water must be discharged in accordance with the City of White Plains, Westchester County and NYSDEC requirements.

6.0 LIMITATIONS

The findings set forth in this report are strictly limited in scope and time to the date of the evaluation described herein. The conclusions and recommendations presented in the report are based solely on the services and any limitations described in this report.

This report may contain conclusions that are based on the analysis of data collected at the time and locations noted in the report through intrusive or non-intrusive sampling. However, further investigation might reveal additional data or variations of the current data, which may differ from our understanding of the conditions presented in this report and require the enclosed recommendations to be reevaluated or modified.

Chemical analyses may have been performed for specific parameters during the course of this investigation, as summarized in the text and tables. It should be noted that additional chemical constituents, not searched for during this investigation, may be present at the site. Due to the nature of the investigation and the limited data available, no warranty, expressed or implied, shall be construed with respect to undiscovered liabilities. The presence of biological hazards, radioactive materials, lead-based paint and asbestos-containing materials was not investigated, unless specified in the report.

Interpretations of the data, including comparison to regulatory standards, guidelines or background values, are not opinions that these comparisons are legally applicable. Furthermore, any conclusions or recommendations should not be construed as legal advice. For such advice, the client is recommended to seek appropriate legal counsel. Disturbance, handling, transportation, storage and disposal of known or potentially contaminated materials is subject to all applicable laws, which may or may not be fully described as part of this report.

The analytical data, conclusions, and/or recommendations provided in this report should not be construed in any way as a classification of waste that may be generated during future disturbance of the project site. Waste(s) generated at the site including excess fill may be considered regulated solid waste and potentially hazardous waste. Requirements for intended disposal facilities should be determined beforehand as the data provided in this report may be insufficient and could vary following additional sampling.

This report may be based solely or partially on data collected, conducted, and provided by, AKRF and/or others. No warranty is expressed or implied by usage of such data. Such data may be included in other investigation reports or documentation. In addition, these reports may have been based upon available previous reports, historical records, documentation from federal, state and local government agencies, personal interviews, and geological mapping. This report is subject, at a minimum, to the limitations of the previous reports, historical documents, availability and accuracy of collected documentation, and personal recollection of those persons interviewed. In certain instances, AKRF has been required to assume that the information provided is accurate with limited or no corroboratory evidence.

This report is intended for the use solely by Trinity New York Development, LLC. Reliance by third parties on the information and opinions contained herein is strictly prohibited and requires the written consent of AKRF. AKRF accepts no responsibility for damages incurred by third parties for any decisions or actions taken based on this report. This report must be used, interpreted, and presented in its entirety.

7.0 SOIL DISPOSAL ISSUES

In addition to the discussions in the Conclusions, Recommendations, and Limitations Sections (Sections 5.0 and 6.0), the issue of appropriate management of off-site disposal of soil warrants careful consideration. Any material being disposed of off-site is a regulated waste, and disposal must be in accordance with:

Requirements of the specific receiving facility;

Requirements of any agencies overseeing the cleanup/excavation; and

Federal and state requirements (sometimes in both the state where the soil is generated and where disposal will occur).

For hazardous wastes and petroleum-contaminated soil (and other ‘clearly contaminated’ materials), the requirements are usually fairly well defined. It is in the situation where contamination is not readily apparent (e.g., so called “historic or urban fill” or “construction and demolition debris” or material that may have been formerly identified as “clean fill”) that present the greatest potential for problems and cost overruns. Even on sites where no contamination requiring remediation is identified, it is common that most of the excavated material is considered “contaminated” for purposes of waste disposal. Concentrations of the various contaminants in historic fill can be highly variable, and upon further testing, the material could contain higher contaminant concentrations than outlined in this investigation. Portions of this material could be classified as hazardous waste.

It is important that the intended disposal facility (or facilities) be identified in advance of off-site disposal. Agency approval is sometimes required for disposal, and the facility will frequently require additional testing prior to (and sometimes at the time of) accepting material. Material must conform to a lengthy list of requirements based on both chemical composition and sometimes numerous other parameters (related to size, percentage of liquids, presence of odors, etc.) for acceptance at the facility. Assuming (or allowing a contractor to assume) that all, or even most, of the soil from a site can be disposed of at minimal cost may result in unanticipated and expensive change orders.

For these reasons, we recommend that professional advice be sought prior to preparing bid documents and contracts incorporating soil disposal.

TABLES

Table 1
Brookfield Commons

White Plains, NY

Phase II Investigation Soil Analytical Results

Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-1(1-3)	SB-1(8-10)	SB-2(2-4)	SB-2(8-10)
Lab Sample ID	Part 375	Part 375	460-137545-8	460-137545-6	460-137545-4	460-137545-5
Date Sampled	Unrestricted	Restricted	7/20/2017	7/20/2017	7/20/2017	7/20/2017
	SCO	Residential				
Analyte	mg/kg	SCO				
		mg/kg				
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.0012 U	0.0011 U	0.0011 U
1,4-Dioxane	0.1	13	0.024 U	0.023 U	0.023 U	0.023 U
2-Butanone (MEK)	0.12	100	0.0059 U	0.0058 U	0.0027 J	0.0057 U
2-Hexanone	NS	NS	0.0059 U	0.0058 U	0.0057 U	0.0057 U
4-Methyl-2-pentanone (MIBK)	NS	NS	0.0059 U	0.0058 U	0.0057 U	0.0057 U
Acetone	0.05	100	0.0059 U	0.0058 U	0.013	0.0057 U
Acetonitrile	NS	NS	0.012 U	0.012 U	0.011 U	0.011 U
Acrolein	NS	NS	0.12 U	0.12 U	0.11 U	0.11 U
Benzene	0.06	4.8	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Bromoform	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Bromomethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Carbon disulfide	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Carbon tetrachloride	0.76	2.4	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chlorobenzene	1.1	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chlorobromomethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chlorodibromomethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chloroethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chloroform	0.37	49	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Chloromethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
cis-1,2-Dichloroethene	0.25	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Cyclohexane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Dichlorobromomethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Ethylbenzene	1	41	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Ethylene Dibromide	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Isopropylbenzene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Methyl acetate	NS	NS	0.0059 U	0.0058 U	0.0057 U	0.0057 U
Methyl tert-butyl ether	0.93	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Methylcyclohexane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Methylene Chloride	0.05	100	0.00057 J B	0.00064 J B	0.00046 J B	0.0013 B
m-Xylene & p-Xylene	0.26 TS	100 TS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
o-Xylene	0.26 TS	100 TS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Styrene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
TBA	NS	NS	0.012 U	0.012 U	0.011 U	0.011 U
Tetrachloroethene	1.3	19	0.00089 J	0.0012 U	0.0011 U	0.0011 U
Toluene	0.7	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0012 U	0.0011 U	0.0011 U
trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Trichloroethene	0.47	21	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Vinyl chloride	0.02	0.9	0.0012 U	0.0012 U	0.0011 U	0.0011 U
Total Conc	NS	NS	0.00146	0.00064	0.01616	0.0013

Table 1
Brookfield Commons

White Plains, NY

Phase II Investigation Soil Analytical Results

Volatile Organic Compounds

Client ID	NYSDEC	NYSDEC	SB-3(8-10)	SB-4(8-10)	SB-5(8-10)	SB-6(8-10)
Lab Sample ID	Part 375	Part 375	460-137545-7	460-137545-1	460-137545-2	460-137545-3
Date Sampled	Unrestricted	Restricted	7/20/2017	7/20/2017	7/20/2017	7/20/2017
	SCO	Residential				
Analyte	mg/kg	SCO				
		mg/kg				
1,1,1-Trichloroethane	0.68	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,1,2,2-Tetrachloroethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,1,2-Trichloro-1,2,2-trifluoroethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,1,2-Trichloroethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2,3-Trichlorobenzene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2,4-Trichlorobenzene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2-Dichloroethane	0.02	3.1	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,2-Dichloropropane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,3-Dichlorobenzene	2.4	49	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,4-Dichlorobenzene	1.8	13	0.001 U	0.0012 U	0.0014 U	0.00094 U
1,4-Dioxane	0.1	13	0.02 U	0.023 U	0.027 U	0.019 U
2-Butanone (MEK)	0.12	100	0.0051 U	0.0058 U	0.0069 U	0.0047 U
2-Hexanone	NS	NS	0.0051 U	0.0058 U	0.0069 U	0.0047 U
4-Methyl-2-pentanone (MIBK)	NS	NS	0.0051 U	0.0058 U	0.0069 U	0.0047 U
Acetone	0.05	100	0.0051 U	0.0058 U	0.0069 U	0.0047 U
Acetonitrile	NS	NS	0.01 U	0.012 U	0.014 U	0.0094 U
Acrolein	NS	NS	0.1 U	0.12 U	0.14 U	0.094 U
Benzene	0.06	4.8	0.001 U	0.0012 U	0.0014 U	0.00094 U
Bromoform	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Bromomethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Carbon disulfide	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Carbon tetrachloride	0.76	2.4	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chlorobenzene	1.1	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chlorobromomethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chlorodibromomethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chloroethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chloroform	0.37	49	0.001 U	0.0012 U	0.0014 U	0.00094 U
Chloromethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
cis-1,2-Dichloroethene	0.25	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
cis-1,3-Dichloropropene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Cyclohexane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Dichlorobromomethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Dichlorodifluoromethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Ethylbenzene	1	41	0.001 U	0.0012 U	0.0014 U	0.00094 U
Ethylene Dibromide	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Isopropylbenzene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Methyl acetate	NS	NS	0.0051 U	0.0058 U	0.0069 U	0.0047 U
Methyl tert-butyl ether	0.93	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
Methylcyclohexane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Methylene Chloride	0.05	100	0.0011 B	0.0015 B	0.0012 J B	0.00097 B
m-Xylene & p-Xylene	0.26 TS	100 TS	0.001 U	0.0012 U	0.0014 U	0.00094 U
o-Xylene	0.26 TS	100 TS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Styrene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
TBA	NS	NS	0.01 U	0.012 U	0.014 U	0.0094 U
Tetrachloroethene	1.3	19	0.001 U	0.0012 U	0.0014 U	0.00094 U
Toluene	0.7	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
trans-1,2-Dichloroethene	0.19	100	0.001 U	0.0012 U	0.0014 U	0.00094 U
trans-1,3-Dichloropropene	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Trichloroethene	0.47	21	0.001 U	0.0012 U	0.0014 U	0.00094 U
Trichlorofluoromethane	NS	NS	0.001 U	0.0012 U	0.0014 U	0.00094 U
Vinyl chloride	0.02	0.9	0.001 U	0.0012 U	0.0014 U	0.00094 U
Total Conc	NS	NS	0.0011	0.0015	0.0012	0.00097

Table 2
Brookfield Commons

White Plains, NY
Phase II Investigation Soil Analytical Results
Semi-volatile Organic Compounds

Client ID Lab Sample ID Date Sampled	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-1(1-3) 460-137545-8 7/20/2017	SB-1(8-10) 460-137545-6 7/20/2017	SB-2(2-4) 460-137545-4 7/20/2017	SB-2(8-10) 460-137545-5 7/20/2017
Analyte						
1,2,4-Trichlorobenzene	NS	NS	0.036 U	0.038 U	0.042 U	0.036 U
1,2-Dichlorobenzene	1.1	100	0.36 U	0.38 U	0.42 U	0.36 U
1,3-Dichlorobenzene	2.4	49	0.36 U	0.38 U	0.42 U	0.36 U
1,4-Dichlorobenzene	1.8	13	0.36 U	0.38 U	0.42 U	0.36 U
2,2'-oxybis[1-chloropropane]	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
2,4-Dinitrotoluene	NS	NS	0.073 U	0.078 U	0.085 U	0.074 U
2,6-Dinitrotoluene	NS	NS	0.073 U	0.078 U	0.085 U	0.074 U
2-Chloronaphthalene	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
2-Methylnaphthalene	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
2-Nitroaniline	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.15 U	0.17 U	0.15 U
3-Nitroaniline	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
4-Bromophenyl phenyl ether	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
4-Chloroaniline	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
4-Chlorophenyl phenyl ether	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
4-Nitroaniline	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Acenaphthene	20	100	0.36 U	0.38 U	0.42 U	0.36 U
Acenaphthylene	100	100	0.36 U	0.38 U	0.42 U	0.36 U
Anthracene	100	100	0.36 U	0.38 U	0.42 U	0.043 J
Benzo[a]anthracene	1	1	0.096	0.038 U	0.042 U	0.18
Benzo[a]pyrene	1	1	0.1	0.038 U	0.042 U	0.19
Benzo[b]fluoranthene	1	1	0.16	0.038 U	0.042 U	0.26
Benzo[g,h,i]perylene	100	100	0.076 J	0.38 U	0.42 U	0.15 J
Benzo[k]fluoranthene	0.8	3.9	0.054	0.038 U	0.042 U	0.12
Bis(2-chloroethoxy)methane	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Bis(2-chloroethyl)ether	NS	NS	0.036 U	0.038 U	0.042 U	0.036 U
Bis(2-ethylhexyl) phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Butyl benzyl phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Carbazole	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Chrysene	1	3.9	0.12 J	0.38 U	0.42 U	0.2 J
Dibenz(a,h)anthracene	0.33	0.33	0.036 U	0.038 U	0.042 U	0.036 U
Dibenzofuran	7	59	0.36 U	0.38 U	0.42 U	0.36 U
Diethyl phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Dimethyl phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Di-n-butyl phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Di-n-octyl phthalate	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Fluoranthene	100	100	0.2 J	0.38 U	0.42 U	0.36
Fluorene	30	100	0.36 U	0.38 U	0.42 U	0.36 U
Hexachlorobenzene	0.33	1.2	0.036 U	0.038 U	0.042 U	0.036 U
Hexachlorobutadiene	NS	NS	0.073 U	0.078 U	0.085 U	0.074 U
Hexachlorocyclopentadiene	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Hexachloroethane	NS	NS	0.036 U	0.038 U	0.042 U	0.036 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.051 *	0.038 U *	0.042 U *	0.14 *
Isophorone	NS	NS	0.15 U	0.15 U	0.17 U	0.15 U
Naphthalene	12	100	0.36 U	0.38 U	0.42 U	0.36 U
Nitrobenzene	NS	15 G	0.036 U	0.038 U	0.042 U	0.036 U
N-Nitrosodi-n-propylamine	NS	NS	0.036 U	0.038 U	0.042 U	0.036 U
N-Nitrosodiphenylamine	NS	NS	0.36 U	0.38 U	0.42 U	0.36 U
Phenanthrene	100	100	0.087 J	0.38 U	0.42 U	0.2 J
Pyrene	100	100	0.22 J	0.38 U	0.42 U	0.33 J
Total Conc	NS	NS	1.164	0	0	2.173

Table 2
Brookfield Commons

White Plains, NY
Phase II Investigation Soil Analytical Results
Semi-volatile Organic Compounds

Client ID Lab Sample ID Date Sampled	NYSDEC Part 375 Unrestricted SCO mg/kg	NYSDEC Part 375 Restricted Residential SCO mg/kg	SB-3(8-10) 460-137545-7 7/20/2017	SB-4(8-10) 460-137545-1 7/20/2017	SB-5(8-10) 460-137545-2 7/20/2017	SB-6(8-10) 460-137545-3 7/20/2017
Analyte						
1,2,4-Trichlorobenzene	NS	NS	0.038 U	0.045 U	0.045 U	0.039 U
1,2-Dichlorobenzene	1.1	100	0.38 U	0.45 U	0.45 U	0.39 U
1,3-Dichlorobenzene	2.4	49	0.38 U	0.45 U	0.45 U	0.39 U
1,4-Dichlorobenzene	1.8	13	0.38 U	0.45 U	0.45 U	0.39 U
2,2'-oxybis[1-chloropropane]	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
2,4-Dinitrotoluene	NS	NS	0.078 U	0.091 U	0.091 U	0.079 U
2,6-Dinitrotoluene	NS	NS	0.078 U	0.091 U	0.091 U	0.079 U
2-Chloronaphthalene	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
2-Methylnaphthalene	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
2-Nitroaniline	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.18 U	0.18 U	0.16 U
3-Nitroaniline	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
4-Bromophenyl phenyl ether	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
4-Chloroaniline	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
4-Chlorophenyl phenyl ether	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
4-Nitroaniline	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Acenaphthene	20	100	0.38 U	0.45 U	0.45 U	0.39 U
Acenaphthylene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Anthracene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Benzo[a]anthracene	1	1	0.038 U	0.045 U	0.045 U	0.039 U
Benzo[a]pyrene	1	1	0.038 U	0.045 U	0.045 U	0.039 U
Benzo[b]fluoranthene	1	1	0.038 U	0.045 U	0.045 U	0.039 U
Benzo[g,h,i]perylene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Benzo[k]fluoranthene	0.8	3.9	0.038 U	0.045 U	0.045 U	0.039 U
Bis(2-chloroethoxy)methane	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Bis(2-chloroethyl)ether	NS	NS	0.038 U	0.045 U	0.045 U	0.039 U
Bis(2-ethylhexyl) phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Butyl benzyl phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Carbazole	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Chrysene	1	3.9	0.38 U	0.45 U	0.45 U	0.39 U
Dibenz(a,h)anthracene	0.33	0.33	0.038 U	0.045 U	0.045 U	0.039 U
Dibenzofuran	7	59	0.38 U	0.45 U	0.45 U	0.39 U
Diethyl phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Dimethyl phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Di-n-butyl phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Di-n-octyl phthalate	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Fluoranthene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Fluorene	30	100	0.38 U	0.45 U	0.45 U	0.39 U
Hexachlorobenzene	0.33	1.2	0.038 U	0.045 U	0.045 U	0.039 U
Hexachlorobutadiene	NS	NS	0.078 U	0.091 U	0.091 U	0.079 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Hexachloroethane	NS	NS	0.038 U	0.045 U	0.045 U	0.039 U
Indeno[1,2,3-cd]pyrene	0.5	0.5	0.038 U *	0.045 U *	0.045 U *	0.039 U *
Isophorone	NS	NS	0.15 U	0.18 U	0.18 U	0.16 U
Naphthalene	12	100	0.38 U	0.45 U	0.45 U	0.39 U
Nitrobenzene	NS	15 G	0.038 U	0.045 U	0.045 U	0.039 U
N-Nitrosodi-n-propylamine	NS	NS	0.038 U	0.045 U	0.045 U	0.039 U
N-Nitrosodiphenylamine	NS	NS	0.38 U	0.45 U	0.45 U	0.39 U
Phenanthrene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Pyrene	100	100	0.38 U	0.45 U	0.45 U	0.39 U
Total Conc	NS	NS	0	0	0	0

Table 3
Brookfield Commons

White Plains, NY

Phase II Investigation Soil Analytical Results

Metals

Client ID	NYSDEC	NYSDEC	SB-1(8-10)	SB-2(8-10)	SB-3(8-10)	SB-4(8-10)	SB-5(8-10)	SB-6(8-10)
Lab Sample ID	Part 375	Part 375	460-137545-6	460-137545-5	460-137545-7	460-137545-1	460-137545-2	460-137545-3
Date Sampled	Unrestricted	Restricted	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017
Dilution	SCO	Residential	1/4 †	1/4 †	1/4 †	1/4 †	1/4 †	1/4 †
Analyte	mg/kg	SCO mg/kg						
Aluminum	NS	NS	10,700	9,960	7,020	16,900	19,000	11,200
Antimony	NS	NS	4.5 U	4.3 U	4.5 U	5.3 U	5.4 U	0.57 J
Arsenic	13	16	3.4 U	3.2 U	3.4 U	2.9 J	2.7 J	4
Barium	350	400	104	69.6	59.7	134	136	358
Beryllium	7.2	72	0.31 J	0.31 J	0.15 J	0.35 J	0.56	0.32 J
Cadmium	2.5	4.3	0.9 U	0.85 U	0.89 U	1.1 U	1.1 U	0.26 J
Calcium	NS	NS	2,300	1,810	2,170	3,130	3,320	14,100
Chromium	30***	180***	23.4	21.3	17.5	30.9	33.6	21.2
Cobalt	NS	NS	9.6 J	6.1 J	5.7 J	12.3 J	11.4 J	6.9 J
Copper	50	270	20.4	8.4	15.4	14.5	10.4	40.5
Iron	NS	NS	16,200	14,500	14,900	30,000	31,800	16,400
Lead	63	400	5.3	4.2	3.3	8.6	11.5	472
Magnesium	NS	NS	4,750	3,680	3,640	5,410	5,060	4,900
Manganese	1,600	2,000	104	119	113	201	249	273
Mercury	0.18	0.81	0.012 J	0.13	0.018 U	0.073	0.053	0.02 U
Nickel	30	310	18.6	11.2	13.3	21.6	19.1	14.9
Potassium	NS	NS	2,100	485 J	2,120	1,790	866 J	1,670
Selenium	3.9	180	4.5 U	4.3 U	4.5 U	5.3 U	5.4 U	4.5 U
Silver	2	180	2.3 U	2.1 U	2.2 U	2.6 U	2.7 U	2.3 U
Sodium	NS	NS	249 J	84.6 J	1,120 U	1,320 U	1,350 U	236 J
Thallium	NS	NS	4.5 U	4.3 U	4.5 U	5.3 U	5.4 U	4.5 U
Vanadium	NS	NS	29.6	28.6	25.3	37.9	53	33
Zinc	109	10,000	57.9	39.6	34.8	98.9	89.2	281

† Dilution factor varies

Table 4
Brookfield Commons
White Plains, NY

Phase II Investigation Soil Analytical Results
 Polychlorinated Biphenyls

Client ID	NYSDEC	NYSDEC	SB-1(8-10)	SB-2(8-10)	SB-3(8-10)	SB-4(8-10)	SB-5(8-10)	SB-6(8-10)
Lab Sample ID	Part 375	Part 375	460-137545-6-DL	460-137545-5	460-137545-7	460-137545-1	460-137545-2	460-137545-3
Date Sampled	Unrestricted	Restricted	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017
Dilution	SCO	Residential	1	1	1	1	1	1
Analyte	mg/kg	SCO	mg/kg					
Aroclor 1016	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1221	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1232	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1242	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1248	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1254	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1260	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1262	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Aroclor 1268	NS	NS	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U
Polychlorinated biphenyls, Total	0.1	1	0.078 U	0.074 U	0.078 U	0.091 U	0.091 U	0.079 U

Table 5
Brookfield Commons
White Plains, NY

Phase II Investigation Groundwater Analytical Results
Volatile Organic Compounds

Client ID Lab Sample ID Date Sampled	NYSDEC Class GA Ambient Standard	TW-1 460-137545-12 7/20/2017	TW-2 460-137545-9 7/20/2017	TW-3 460-137545-10 7/20/2017	TW-5 460-137545-11 7/20/2017	TB 460-137545-13 7/20/2017
Analyte	µg/L					
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 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-Dibromo-3-Chloropropane	0.04	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-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
1,4-Dioxane	NS	50 U	50 U	50 U	50 U	50 U
2-Butanone (MEK)	50	5 U	5 U	5 U	5 U	5 U
2-Hexanone	50	5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone (MIBK)	NS	5 U	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	23	6.4	5.4
Benzene	1	1 U	1 U	1 U	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U	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
Chlorobromomethane	5	1 U	1 U	1 U	1 U	1 U
Chlorodibromomethane	50	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 U *	1 U *
cis-1,2-Dichloroethene	5	27	16	1 U	9.8	1 U
cis-1,3-Dichloropropene	0.4 TS	1 U	1 U	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U	1 U	1 U
Dichlorobromomethane	50	1 U	1 U	1 U	1 U	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
Ethylene Dibromide	0.0006	1 U	1 U	1 U	1 U	1 U
Isopropylbenzene	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 tert-butyl ether	10	1.1	0.2 J	1 U	4.3	1 U
Methylcyclohexane	NS	1 U	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U	1 U
m-Xylene & p-Xylene	5	1 U	1 U	1 U	1 U	1 U
o-Xylene	5	1 U	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U	1 U
Tetrachloroethene	5	65	3.5	1 U	100	1 U
Toluene	5	1 U	0.4 J	0.62 J	1 U	1 U
trans-1,2-Dichloroethene	5	0.26 J	0.21 J	1 U	0.61 J	1 U
trans-1,3-Dichloropropene	0.4 TS	1 U	1 U	1 U	1 U	1 U
Trichloroethene	5	4.3	1.2	1 U	16	1 U
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U	1 U
Vinyl chloride	2	1.6	1 U	1 U	1 U	1 U
Total Conc	NS	99.26	21.51	23.62	137.11	5.4

Table 6
Brookfield Commons
White Plains, NY

Phase II Investigation Groundwater Analytical Results
Semi-Volatile Organic Compounds

Client ID	NYSDEC	TW-1	TW-2	TW-3	TW-5
Lab Sample ID	Class GA	460-137545-12	460-137545-9	460-137545-10	460-137545-11
Date Sampled	Ambient Standard	7/20/2017	7/20/2017	7/20/2017	7/20/2017
Analyte	µg/L				
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	10 U	10 U	10 U	10 U
1,3-Dichlorobenzene	3	10 U	10 U	10 U	10 U
1,4-Dichlorobenzene	3	10 U	10 U	10 U	10 U
2,2'-oxybis[1-chloropropane]	5	10 U	10 U	10 U	10 U
2,4-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	NS	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 U	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U
4-Bromophenyl phenyl ether	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 U	10 U
4-Chlorophenyl phenyl ether	NS	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U
Acenaphthene	NS	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Benzo[a]anthracene	0.002	1 U	1 U	1 U	1 U
Benzo[a]pyrene	ND	1 U	1 U	1 U	1 U
Benzo[b]fluoranthene	0.002	1 U	1 U	1 U	1 U
Benzo[g,h,i]perylene	NS	10 U	10 U	10 U	10 U
Benzo[k]fluoranthene	0.002	1 U	1 U	1 U	1 U
Bis(2-chloroethoxy)methane	5	10 U	10 U	10 U	10 U
Bis(2-chloroethyl)ether	1	1 U	1 U	1 U	1 U
Bis(2-ethylhexyl) phthalate	5	2 U	2 U	2 U	2 U
Butyl benzyl phthalate	50	10 U	10 U	10 U	10 U
Carbazole	NS	10 U	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U	2 U
Dibenz(a,h)anthracene	NS	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U
Diethyl phthalate	50	10 U	10 U	10 U	10 U
Dimethyl phthalate	50	10 U	10 U	10 U	10 U
Di-n-butyl phthalate	50	10 U	10 U	10 U	10 U
Di-n-octyl phthalate	50	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	1 U	1 U	1 U	1 U
Indeno[1,2,3-cd]pyrene	0.002	1 U	1 U	1 U	1 U
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	NS	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	1 U	1 U	1 U	1 U
N-Nitrosodi-n-propylamine	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Phenanthrene	50	10 U	10 U	10 U	10 U
Pyrene	50	10 U	10 U	10 U	10 U
Total Conc	NS	0	0	0	0

Table 7
Brookfield Commons

White Plains, NY

Phase II Investigation Soil Vapor Analytical Results
Volatile Organic Compounds

Client ID	EPA 2001	NYSDOH 2003	NYSDOH 2006	SV-1	SV-2	SV-3	SV-5	AA-1
Lab Sample ID	BASE	Soil Vapor	Soil Vapor	200-39428-3	200-39428-1	200-39428-2	200-39428-5	200-39428-4
Date Sampled	90th	Indoor	Intrusion	7/20/2017	7/20/2017	7/20/2017	7/20/2017	7/20/2017
Dilution	percentile	Upper Fence	Air Guidance	2	2	2	4	1
Analyte	Indoor µg/m3	µg/m3	Value µg/m3					
1,1,1-Trichloroethane	20.6	2.5	NS	2.2 U	2.2 U	2.2 U	4.4 U	1.1 U
1,1,2,2-Tetrachloroethane	NS	0.4	NS	2.7 U	2.7 U	2.7 U	5.5 U	1.4 U
1,1,2-Trichloroethane	<1.5	0.4	NS	2.2 U	2.2 U	2.2 U	4.4 U	1.1 U
1,1-Dichloroethane	<0.7	0.4	NS	1.6 U	1.6 U	1.6 U	3.2 U	0.81 U
1,1-Dichloroethene	<1.4	0.4	NS	1.6 U	1.6 U	1.6 U	3.2 U	0.79 U
1,2,4-Trichlorobenzene	<6.8	0.5	NS	7.4 U	7.4 U	7.4 U	15 U	3.7 U
1,2,4-Trimethylbenzene	9.5	9.8	NS	52	65	51	36	0.98 U
1,2-Dibromoethane	<1.5	0.4	NS	3.1 U	3.1 U	3.1 U	6.1 U	1.5 U
1,2-Dichlorobenzene	<1.2	0.5	NS	2.4 U	2.4 U	2.4 U	4.8 U	1.2 U
1,2-Dichloroethane	<0.9	0.4	NS	1.6 U	1.6 U	1.6 U	3.2 U	0.81 U
1,2-Dichloroethene, Total	NS	NS	NS	3.2 U	3.2 U	3.2 U	6.3 U	1.6 U
1,2-Dichloropropane	<1.6	0.4	NS	1.8 U	1.8 U	1.8 U	3.7 U	0.92 U
1,2-Dichlorotetrafluoroethane	<6.8	0.4	NS	2.8 U	2.8 U	2.8 U	5.6 U	1.4 U
1,3,5-Trimethylbenzene	3.7	3.9	NS	18	18	14	9.4	0.98 U
1,3-Butadiene	<3.0	NS	NS	2.1	2.1	0.88 U	5.3	0.44 U
1,3-Dichlorobenzene	<2.4	0.5	NS	2.4 U	2.4 U	2.4 U	4.8 U	1.2 U
1,4-Dichlorobenzene	5.5	1.2	NS	2.4 U	2.4 U	2.4 U	4.8 U	1.2 U
1,4-Dioxane	NS	NS	NS	36 U	36 U	36 U	72 U	18 U
2,2,4-Trimethylpentane	NS	5	NS	2.9	3.7	2.1	3.7 U	0.93 U
2-Chlorotoluene	NS	NS	NS	2.1 U	2.1 U	2.1 U	4.1 U	1 U
3-Chloropropene	NS	NS	NS	3.1 U	3.1 U	3.1 U	6.3 U	1.6 U
4-Ethyltoluene	3.6	NS	NS	13	18	14	9.5	0.98 U
4-Isopropyltoluene	NS	NS	NS	3	9	2.5	4.4 U	1.1 U
Acetone	98.9	115	NS	49	72	40	57	17
Benzene	9.4	13	NS	3.5	3.9	1.8	2.6 U	0.64 U
Benzyl chloride	<6.8	NS	NS	2.1 U	2.1 U	2.1 U	4.1 U	1 U
Bromodichloromethane	NS	NS	NS	2.7 U	2.7 U	2.7 U	5.4 U	1.3 U
Bromoethene(Vinyl Bromide)	NS	NS	NS	1.7 U	1.7 U	1.7 U	3.5 U	0.87 U
Bromoform	NS	NS	NS	4.1 U	4.1 U	4.1 U	8.3 U	2.1 U
Bromomethane	<1.7	0.5	NS	1.6 U	1.6 U	1.6 U	3.1 U	0.78 U
Carbon disulfide	4.2	NS	NS	5.2	9.7	3.1 U	8.2	1.6 U
Carbon tetrachloride	<1.3	1.3	NS	0.5 U	0.5 U	0.5 U	1 U	0.32
Chlorobenzene	<0.9	0.4	NS	1.8 U	1.8 U	1.8 U	3.7 U	0.92 U
Chloroethane	<1.1	0.4	NS	2.6 U	2.6 U	2.6 U	5.3 U	1.3 U
Chloroform	1.1	1.2	NS	2 U	2 U	2 U	3.9 U	0.98 U
Chloromethane	3.7	4.2	NS	2.1 U	2.1 U	2.1 U	4.1 U	1 U
cis-1,2-Dichloroethene	<1.9	0.4	NS	1.6 U	1.6 U	1.6 U	3.2 U	0.79 U
cis-1,3-Dichloropropene	<2.3	0.4	NS	1.8 U	1.8 U	1.8 U	3.6 U	0.91 U
Cumene	NS	0.8	NS	2 U	2 U	2 U	3.9 U	0.98 U
Cyclohexane	NS	6.3	NS	2.1	2.6	1.4 U	2.8 U	0.69 U
Dibromochloromethane	NS	NS	NS	3.4 U	3.4 U	3.4 U	6.8 U	1.7 U
Dichlorodifluoromethane	16.5	10	NS	4.9 U	5.5	4.9 U	9.9 U	2.5 U
Ethylbenzene	5.7	6.4	NS	1.7 U	1.7 U	16	13	0.87 U
Freon 22	NS	NS	NS	3.5 U	3.5 U	3.5 U	7.1 U	1.8 U
Freon TF	3.5	2.5	NS	3.1 U	3.1 U	3.1 U	6.1 U	1.5 U
Hexachlorobutadiene	<6.8	0.5	NS	4.3 U	4.3 U	4.3 U	8.5 U	2.1 U
Isopropyl alcohol	250	NS	NS	25 U	25 U	25 U	49 U	12 U
m,p-Xylene	22.2	11	NS	73	85	62	47	2.2 U
Methyl Butyl Ketone (2-Hexanone)	NS	NS	NS	16	28	20	23	2 U
Methyl Ethyl Ketone	12	16	NS	74	140	140	230	2.8
methyl isobutyl ketone	6	1.9	NS	5.4	8.4	4.1 U	8.2 U	2 U
Methyl methacrylate	NS	0.4	NS	4.1 U	4.1 U	4.1 U	8.2 U	2 U
Methyl tert-butyl ether	11.5	14	NS	1.4 U	1.4 U	1.4 U	2.9 U	0.72 U
Methylene Chloride	10	16	60	3.5 U	6.5	3.5 U	6.9 U	1.7 U
Naphthalene	5.1	NS	NS	49	84	56	50	2.6 U
n-Butane	NS	NS	NS	13	45	3.4	17	1.2 U *
n-Butylbenzene	NS	1.1	NS	6.3	8.7	6.9	4.5	1.1 U
n-Heptane	NS	18	NS	6.3	1.6 U	1.6 U	3.3 U	0.82 U
n-Hexane	10.2	14	NS	20	13	3.5	4.1	0.7 U
n-Propylbenzene	NS	1.5	NS	2 U	2 U	2 U	6	0.98 U
o-Xylene	7.9	7.1	NS	30	34	27	19	0.87 U
sec-Butylbenzene	NS	1.2	NS	2.2 U	2.5	2.2 U	4.4 U	1.1 U
Styrene	1.9	1.4	NS	2	2.5	1.7 U	3.4 U	0.85 U
tert-Butyl alcohol	NS	NS	NS	30 U	30 U	30 U	61 U	15 U
tert-Butylbenzene	NS	1.3	NS	2.2 U	2.2 U	2.2 U	4.4 U	1.1 U
Tetrachloroethene	15.9	2.5	30	80	4.5	7.2	5.4 U	1.4 U
Tetrahydrofuran	NS	0.8	NS	29 U	29 U	29 U	59 U	15 U
Toluene	43	57	NS	180	120	73	62	0.96
trans-1,2-Dichloroethene	NS	NS	NS	1.6 U	1.6 U	1.6 U	3.2 U	0.79 U
trans-1,3-Dichloropropene	<1.3	NC	NS	1.8 U	1.8 U	1.8 U	3.6 U	0.91 U
Trichloroethene	4.2	0.5	2	0.43 U	0.43 U	0.43 U	0.86 U	0.21 U
Trichlorofluoromethane	18.1	12	NS	2.2 U	2.2 U	2.2 U	4.5 U	1.1 U
Vinyl chloride	<1.9	0.4	NS	0.2 U	0.2 U	0.2 U	0.41 U	0.1 U
Xylene (total)	NS	NS	NS	100	120	87	67	3 U

Tables 1-7
Brookfield Commons
White Plains, NY
Phase II Investigation Analytical Results
Notes

GENERAL

NS : No standard.

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

J : The concentration given is an estimated value.

TS : Value represents a sum total standard.

G : This standard reflects the Supplemental Soil Clean-up Objectives listed in Table 1 of NYSDEC "CP-51/Soil Cleanup Guidance."

B : The analyte was found in an associated blank, as well as in the sample.

***** : LCS or LCSD is outside acceptance limits.

SOIL

Part 375 Soil Cleanup Objectives : Soil Cleanup Objectives listed in NYSDEC (New York State Department of Environmental Conservation) "Part 375" Regulations (6 NYCRR Part 375).

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

Metals

******* : Standard reflects trivalent, not total, Chromium.

Exceedances of Part 375 Unrestricted Soil Cleanup Objectives (UUSCO) are highlighted in bold font.

Exceedances of Part 375 Restricted Residential Soil Cleanup Objectives (RRSCO) are highlighted in gray.

GROUNDWATER

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

µg/L : micrograms per Liter = parts per billion (ppb)

ND : The standard is No Detect.

Exceedances of NYSDEC Class GA Ambient Standards are highlighted in bold font.

SOIL VAPOR

EPA 2001 BASE 90th Percentile : 90th Percentile indoor air values from "Table C-2. EPA 2001: Building Assessment and Survey Evaluation (BASE) Database, SUMMA canister method", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

NYSDOH 2003 Soil Vapor Indoor Upper Fence : Upper fence indoor air values from "Table C1. NYSDOH 2003: Study of Volatile Organic Chemicals in Air of Fuel Oil Heated Homes", published in the NYSDOH Soil Vapor Intrusion Guidance Document, Appendix C" (October 2006).

NYSDOH Soil Vapor Intrusion Air Guidance Value : NYSDOH Air Guidance Values (AGVs) presented in the Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, dated October 2006 ("NYSDOH Vapor Intrusion Guidance Document"), updated September 2013 for change of AGV for PCE and August 2015 for TCE.

µg/m³ : micrograms per cubic meter of air

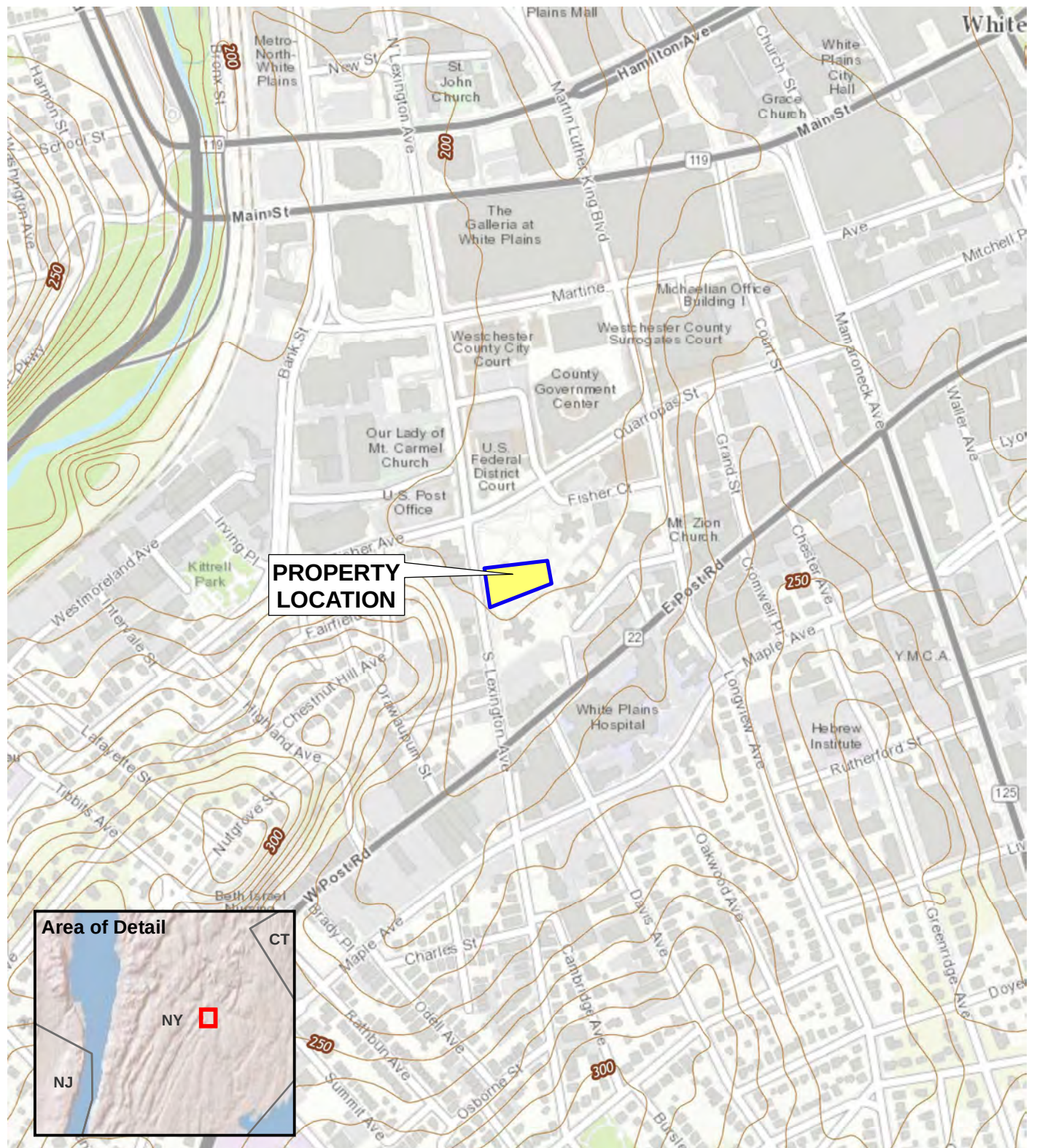
Exceedances of EPA 2001 Base 90th Percentile Indoor Air Values are highlighted in bold font.

Exceedances of NYSDOH 2003 Upper Fence Indoor Air Values are highlighted in gray.

Exceedances of NYSDOH 2006 Soil Vapor Intrusion Air Guidance Values are highlighted with a border.

FIGURES

© 2017 AKRF Q:\Projects\170131 - BROOKFIELD COMMONS PUBLIC HOUSING\Technical\GIS and Graphics\hazmat\170131_Fig 1_Property Loc map.mxd 6/9/2017 2:21:05 PM jlsalus



Map Source: World Topo base map service from ESRI



440 Park Avenue South, New York, NY 10016

Brookfield Commons Phase 2
White Plains, New York

PROPERTY LOCATION

DATE

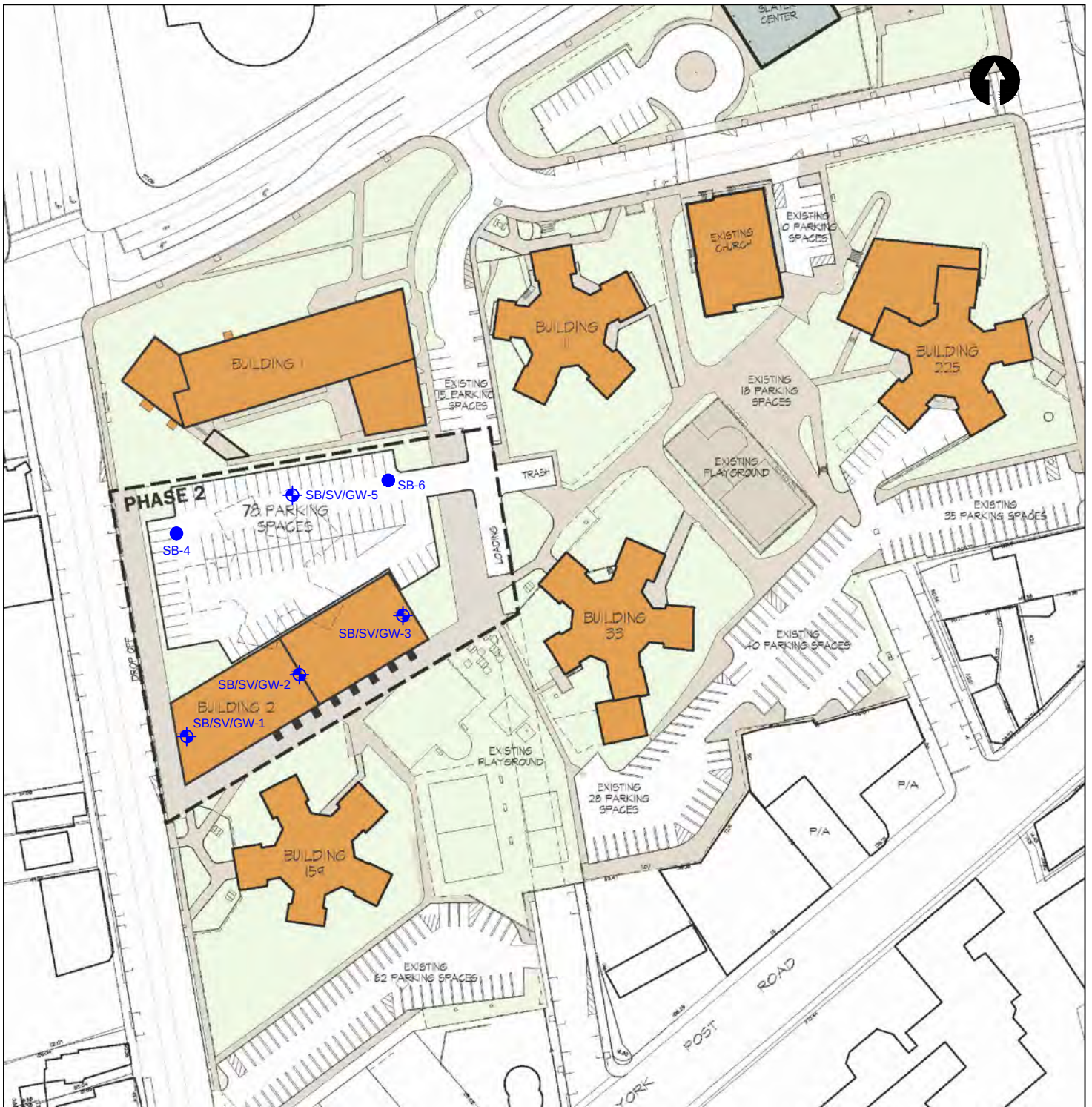
6/9/2017

PROJECT NO.

170131

FIGURE

1



LEGEND

- SOIL BORING LOCATION
- ✕ SOIL BORING/SOIL VAPOR/GROUNDWATER SAMPLE LOCATION

0 60 120 240
APPROXIMATE SCALE IN FEET

Source:
Trinity Financial, Brookfield Commons "Proposed Phase 2 Unit Count: 130", Dated June 15, 2017.



440 Park Avenue South, New York, NY 10016

Brookfield Commons Phase 2

White Plains, New York

SITE PLAN WITH SAMPLE LOCATIONS

DATE
9/13/2017

PROJECT NO.

170131

FIGURE

2

APPENDIX A
PHOTOGRAPHIC DOCUMENTATION



Photograph 1. Geophysical survey at soil boring location SB-5.



Photograph 2. Cleared boring location for SB-2.



Photograph 3. Geoprobe drilling at soil boring locations SB-5 and SB-4.



Photograph 4. Soil borings collected at location SB-6.

APPENDIX B
GEOPHYSICAL INVESTIGATION REPORT



GEOPHYSICAL INVESTIGATION REPORT

PERFORMED AT:

**135 South Lexington Avenue
White Plains, NY 10601**

PREPARED FOR:

**Steve Grens
AKRF
34 South Broadway, Suite 401
White Plains, NY 10601**

PREPARED BY:

**John Rango
Geophysical Technician
Enviroprobe Service, Inc.
81 Marter Avenue
Mount Laurel, NJ 08054
Phone: (856) 858-8584
Toll Free: (800) 596-7472**

July 20, 2017

1.0 INTRODUCTION

Enviroprobe Service, Inc. (Enviroprobe) is an environmental investigation services firm which provides monitoring well installation (HSA), Geoprobe (DPT) drilling services and Environmental & Engineering Geophysics (EEG) services to the environmental consulting and engineering community.

Enviroprobe conducted a subsurface geophysical investigation at the subject property within client-specified areas of concern. Due to conditions and objectives, the investigation utilized a GSSI SIR-3000 cart-mounted ground penetrating radar (GPR) unit with a 400 MHz antenna, a Fisher TW-6 metallic locator, a Radiodetection multi-frequency transmitter, and a Radiodetection receiver.

Ground penetrating radar (commonly called GPR) is a geophysical method that has been developed over the past thirty years for shallow, high-resolution, subsurface investigations of the earth. GPR uses high frequency pulsed electromagnetic waves (generally 10 MHz to 2,000 MHz) to acquire subsurface information. An EM wave is propagated downward into the ground by a transmitting antenna. Where abrupt changes in electrical properties occur in the subsurface, a portion of the energy is reflected back to the surface. This reflected wave is detected by a receiver antenna and transmitted to a control unit for real time processing and display. The penetration depth of the GPR unit varies from several inches to tens of feet according to site-specific conditions. The penetration depth decreases with increased soil conductivity. The penetration depth is the greatest in ice, dry sands, and fine gravels. Clayey, highly saline or saturated soils, areas covered by concrete, foundry slag, or other highly conductive materials greatly reduce GPR penetration. GPR is a method that is commonly used for environmental, engineering, archaeological, and other shallow investigations.

The Fisher TW-6 metallic locator is designed to find pipes, cables and other metallic objects such as underground storage tanks (USTs). The TW-6 transmitter generates an electromagnetic field that induces electrical currents in the subsurface. These currents produce a secondary electromagnetic field that is measured by the TW-6 receiver. One surveyor can carry both the transmitter and receiver together to search for underground metallic objects, although the TW-6 response can also be affected by the electrical properties of non-metallic materials in the subsurface.

The Radiodetection (RD) transmitter and receiver are commonly used for pipe and cable locating. The multi-frequency transmitter can be directly connected, clamped, or used to induce a signal in a target line while the multi-frequency receiver is used to measure the signal from energized lines.

2.0 SCOPE OF WORK

On July 20, 2017, a geophysical technician from Enviroprobe Service Inc. was mobilized to the subject property to perform a geophysical investigation. The purpose of

the investigation was to designate underground conduits/utilities and clear proposed boring locations in the natural soil/landscaped area surrounding multi-dwelling facilities. The ground surface of the survey area consisted of concrete, asphalt, and natural soil surfaces.

3.0 SURVEY RESULTS

The utility survey was conducted using a cart-mounted GPR unit and a RD unit. The RD unit was used to trace common utilities from sources in and around the survey area. The RD receiver was also used in the passive mode to search for live underground electrical power cables and other utilities emitting 60Hz electromagnetic signals. When possible, the location of utilities was confirmed with the GPR. The GPR survey was also performed in a grid pattern in at least two orthogonal directions to search for evident and non-evident underground utilities. Linear anomalies consistent with underground utilities were designated on site with spray paint using the following colors: red – electric and pink – storm sewer. In addition multiple natural gas lines were verified in areas of proposed boring locations. [See Figure 1)

Approximately six proposed boring locations were investigated with the GPR, TW-6, and RD receiver. When possible, an area of approximately 10 ft by 10 ft surrounding each location was scanned. In some cases, obstructions prevented an investigation of the entire 10 ft by 10 ft area.

4.0 LIMITATIONS

Due to surface conditions and subsurface content, the GPR penetration depth was estimated as about 3 feet in the majority of the survey area.

Due to the dielectric properties of the subsurface, plastic polymer and fiberglass utilities may not have been detected.

The underground utility survey was conducted in compliance with the industry standard of care guidelines found in ASCE 38-02 (Level B).

5.0 WARRANTIES

The field observations and measurements reported herein are considered sufficient in detail and scope for this project. Enviroprobe Service, Inc. warrants that the findings and conclusions contained herein have been promulgated in accordance with generally accepted environmental engineering methods. There is a possibility that conditions may

exist which could not be identified within the scope of this project and were not apparent during the site activities performed for this project.

Enviroprobe represents that the services were performed in a manner consistent with that level of care and skill ordinarily exercised by environmental consultants under similar circumstances. No other representations to Client, express or implied, and no warranty or guarantee is included or intended in this agreement, or in any report, document, or otherwise.

Enviroprobe Service, Inc. believes that the information provided in this report is reliable. However, Enviroprobe cannot warrant or guarantee that the information provided by others is complete or accurate. No other warranties or guarantees are implied or expressed.

GPR data is subject to signal anomalies and operator interpretation. The GPR data is intended to provide the locations of areas of concern requiring additional investigation or the approximate location of underground structures and utilities. Great care must be utilized when excavating and/or drilling around underground structures and utilities since GPR data can only be used for estimation purposes and GPR data is subject to misinterpretation. Enviroprobe can not guarantee that utilities, post-tension cables, and/or rebar will not be incurred during drilling, cutting, coring, or excavating activities.

This report was prepared pursuant to the contract Enviroprobe has with the Client. That contractual relationship included an exchange of information about the property that was unique and between Enviroprobe and its client and serves as the basis upon which this report was prepared. Because of the importance of the communication between Enviroprobe and its client, reliance or any use of this report by anyone other than the Client, for whom it was prepared, is prohibited and therefore not foreseeable to Enviroprobe.

Reliance or use by any such third party without explicit authorization in the report does not make said third party a third party beneficiary to Enviroprobe contract with the Client. Any such unauthorized reliance on or use of this report, including any of its information or conclusions, will be at the third party's risk. For the same reasons, no warranties or representations, expressed or implied in this report, are made to any such third party.

APPENDIX C
FIELD LOGS

Environmental Consultants

Environmental Consultants

Environmental Consultants		Well No: TW-1
Job No: 170131	Installed By: Cascade	
Project Location: 135 S. Lexington Ave - White Plains, NY	Developed By: Cascade	
Client: Trinity	Logged By: S. Schmid	
Date: 7/20/2017	Weather: Clear ~ 90-95 (F)	

[illegible]

		Well Diameter:	1 in.	*= 0.041 * WC for 1" wells
Total Depth:	14.88 ft.	Well Volume*:	0.31 gal.	*= 0.163 * WC for 2" wells
Depth to Water:	7.34 ft.	Volume Purged*:	0.93 gal.	*= 0.653 * WC for 4" wells
Water Column (WC):	7.54 ft.	Pump Type:	Peristaltic	*= 0.653 * WC for 4" wells

[illegible]

TW-1 was developed by purging approximately 1 gallon of water until clear. Groundwater samples were analyzed for VOCs (8260) and SVOCs (8270)

Environmental Consultants

Well No: TW-2

Job No: 170131

Installed By: Cascade

Well No:

Project Location: 135 S. Lexington Ave - White Plains, NY

Developed By Cascade

Client: Trinity

Logged By: S. Schmid

Date: 7/20/2017

Weather	Clear ~ 90-95 (F)

Well Diameter:

1 in.

* = 0.041 * WC for 1" wells

Total Depth: 15.1 ft.

Well Volume*:	0.30	gal.

*= 0.163 * WC for 2" wells

Depth to Water: 7.84 ft.

Volume Purged*:	0.89	gal.

*= 0.653 * WC for 4" wells

Water Column (WC): 7.26 ft.

Pump Type:	Peristaltic

$$* = 0.653 * \text{WC for 4" wells}$$
[illegible]

TW-2 was developed by purging approximately 1 gallon of water until clear. Groundwater samples were analyzed for VOCs (8260) and SVOCs (8270).

Environmental Consultants

Well No: TW-3

Job No: 170131

Installed By: Cascade

Well No:

Project Location: 135 S. Lexington Ave - White Plains, NY

Developed By Cascade

Client: Trinity

Logged By: S. Schmid

Date: 7/20/2017

Weather Clear ~ 90-95 (F)

Well Diameter:

1 in.

* = 0.041 * WC for 1" wells

Total Depth:	14.80 ft.

Well Volume*:	0.29	gal.

*= 0.163 * WC for 2" wells

Depth to Water: 7.70 ft.

Volume Purged*:	0.87	gal.

*= 0.653 * WC for 4" wells

Water Column (WC): 7.10 ft.

Pump Type:	Peristaltic

*= 0.653 * WC for 4" wells

[illegible]

TW-3 was developed by purging approximately 1 gallon of water until clear. Groundwater samples were analyzed for VOCs (8260) and SVOCs (8270).

AKRF, Inc.

Environmental Consultants

Well Sampling Log

Job No: 170131	Installed By: Cascade	Well No: TW-5
Project Location: 135 S. Lexington Ave - White Plains, NY	Developed By: Cascade	
Client: Trinity	Logged By: S. Schmid	
Date: 7/20/2017	Weather: Clear ~ 90-95 (F)	

Development Setup		
	Well Diameter: 1 in.	*= 0.041 * WC for 1" wells
Total Depth: 14.03 ft.	Well Volume*: 0.25 gal.	*= 0.163 * WC for 2" wells
Depth to Water: 7.89 ft.	Volume Purged*: 0.76 gal.	*= 0.653 * WC for 4" wells
Water Column (WC): 6.14 ft.	Pump Type: Peristaltic	*= 0.653 * WC for 4" wells

Time	Pump Rate	Turbidity (NTU)	Temperature (oC)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Comments

TW-5 was developed by purging approximately 1 gallon of water until clear. Groundwater samples were analyzed for VOCs (8260) and SVOCs (8270)



Soil Vapor Sample Log

AKRF Project No:	170131	Point Installed By:	Cascade
Project Location:	135 S Lexington Ave/WP	Installation Method:	Geoprobe
Client:	Trinity	Sampled By:	SS
Date:	7/20/2017	Weather:	Clear ~90-95 F

Sample Setup

Vapor Point Depth:	60	Inches	Total Time of Purge:	10:34-10:44
Tubing Volume:	1.5	In ³	Purge Volume:	2.1 Liters
Purging Pump:	Gilair Plus		Purged Vapor PID:	21 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SV-1	SUMMA® Canister ID:	4451
Flow Controller ID:	3125	Soil Vapor Sample ID:	SV-1

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	11:04	-30.00	ND	
Time Halfway:	12:04	-18.00	ND	
Time Stopped:	13:04	-5.00	ND	

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 SV-1 collected in a 6L SUMMA® canister using a 2-hour flow controller.



Soil Vapor Sample Log

AKRF Project No:	170131	Point Installed By:	Cascade
Project Location:	135 S Lexington Ave/WP	Installation Method:	Geoprobe
Client:	Trinity	Sampled By:	SS
Date:	7/20/2017	Weather:	Clear ~90-95 F

Sample Setup

Vapor Point Depth:	60	Inches	Total Time of Purge:	12:40-12:50
Tubing Volume:	1.5	In ³	Purge Volume:	2.1 Liters
Purging Pump:	Gilair Plus		Purged Vapor PID:	11.3 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SV-2	SUMMA® Canister ID:	5675
Flow Controller ID:	5195	Soil Vapor Sample ID:	SV-2

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	13:00	-27.00	ND	
Time Halfway:	14:00	-14.00	ND	
Time Stopped:	14:55	-5.00	ND	

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 SV-2 collected in a 6L SUMMA® canister using a 2-hour flow controller.



Soil Vapor Sample Log

AKRF Project No:	170131	Point Installed By:	Cascade
Project Location:	135 S Lexington Ave/WP	Installation Method:	Geoprobe
Client:	Trinity	Sampled By:	JS
Date:	7/20/2017	Weather:	Clear ~90-95 F

Sample Setup

Vapor Point Depth:	60	Inches	Total Time of Purge:	12:16-12:26
Tubing Volume:	1.5	In ³	Purge Volume:	2.1 Liters
Purging Pump:	Gilair Plus		Purged Vapor PID:	18.2 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SV-3	SUMMA® Canister ID:	3084
Flow Controller ID:	2528	Soil Vapor Sample ID:	SV-3

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	12:35	-28.00	ND	
Time Halfway:	13:35	-12.00	ND	
Time Stopped:	14:27	-4.00	ND	

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 SV-3 collected in a 6L SUMMA® canister using a 2-hour flow controller.



Soil Vapor Sample Log

AKRF Project No:	170131	Point Installed By:	Cascade
Project Location:	135 S Lexington Ave/WP	Installation Method:	Geoprobe
Client:	Trinity	Sampled By:	SS
Date:	7/20/2017	Weather:	Clear ~90-95 F

Sample Setup

Vapor Point Depth:	60	Inches	Total Time of Purge:	14:20-14:30
Tubing Volume:	1.5	In ³	Purge Volume:	2.1 Liters
Purging Pump:	Gilair Plus		Purged Vapor PID:	18.2 ppm
Pump Flow Rate*:	0.2	L/min	Helium Concentration:	ND %

Sample Identification

Soil Vapor Point ID:	SV-5	SUMMA® Canister ID:	4827
Flow Controller ID:	3575	Soil Vapor Sample ID:	SV-5

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:45	-30.00	ND	
Time Halfway:	15:45	-16.00	ND	
Time Stopped:	16:30	-8.00	ND	

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 SV-5 collected in a 6L SUMMA® canister using a 2-hour flow controller.



Ambient Air Sample Log

AKRF Project No:	170131	Client:	Trinity
Project Location:	135 S Lexington Ave/WP	Sampled By:	SS
Date:	7/20/2017	Weather:	Clear ~90-95 F

Sample Setup

Sample Identification

On-Site Location:	AA-1	SUMMA® Canister ID:	5049
Flow Controller ID:	2667	Soil Vapor Sample ID:	AA-1

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Potential VOC Sources/Notes
Time Started:	12:35	-27.00	ND	None
Time Halfway:	13:35	-14.00	ND	None
Time Stopped:	14:15	-5.00	ND	None

Notes:

ND = non-detect

ppm = parts per million

L/min = Liters per minute

Ambient air sample AA-1 collected in a 6L SUMMA® canister using a 2-hour flow controller.

SOIL BORING LOG		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-1		
		AKRF Project Number: 170131		Sheet 1 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 10:15		Finish Time: 10:30		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	85 °F, Clear					
		Logged By:	S.Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	36"	Top 20": Brown fine SAND, trace fine Gravel, Asphalt.		ND	Dry	ND	ND	SB-1 (1-3)
2				ND	Dry	0.3	ND	
3		Bottom 16": Brownish Gray fine SAND, little Silt, trace Concrete, fine Gravel.		ND	Dry	0.2	ND	
4				ND	Dry	ND	ND	
5				ND	Dry	ND	ND	
6	44"	Top 2": SLOUGH		ND	Dry	ND	ND	SB-1 (8-10)
7		Next 27": Brownish Gray fine SAND, little Silt, trace fine Gravel.		ND	Dry	ND	ND	
8		Bottom 15": Gray fine SAND, some clayey Silt, trace fine Gravel.		ND	Moist	ND	ND	
9				ND	Moist	ND	ND	
10				ND	Moist	ND	ND	
11	50"	Top 3": SLOUGH		ND	Wet	ND	ND	
12		Bottom 47": Gray fine SAND, little clayey Silt, trace fine Gravel.		ND	Wet	ND	ND	
13				ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
15				ND	Wet	ND	ND	
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater was encountered at approximately 10ft below grade during soil boring installation. End of soil boring at approximately 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		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-2		
		AKRF Project Number: 170131		Sheet 2 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 11:45		Finish Time: 12:05		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	85 °F, Clear					
		Logged By:	S. Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	28"	Brown fine SAND, little Brick, fine Gravel, Organics (Roots).		ND	Dry	ND	ND	SB-2 (2-4)
2				ND	Dry	0.4	ND	
3				ND	Dry	1.1	ND	
4				ND	Dry	0.5	ND	
5								
6	35"	Top 3": SLOUGH		ND	Dry	0.2	ND	SB-2 (8-10)
7		Next 5": Gray fine SAND, trace fine Gravel.		ND	Moist	0.3	ND	
8		Bottom 27": Gray fine SAND, some clayey Silt, trace fine Gravel.		ND	Moist	ND	ND	
9				ND	Wet	ND	ND	
10								
11	58"	Grey fine SAND, little clayey Silt, trace fine Gravel.		ND	Wet	0.2	ND	
12				ND	Wet	0.1	ND	
13				ND	Wet	0.2	ND	
14				ND	Wet	ND	ND	
15								
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater was encountered at approximately 9ft below grade during soil boring installation. End of soil boring at approximately 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		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-3		
		AKRF Project Number: 170131		Sheet 3 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 11:05		Finish Time: 11:35		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	95 °F, Clear					
		Logged By:	S. Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	27"	Brown fine SAND, little fine Gravel, trace Asphalt		ND	Dry	ND	ND	
2				ND	Dry	ND	ND	
3				ND	Dry	ND	ND	
4				ND	Dry	ND	ND	
5								
6	30"	Top 3": SLOUGH		ND	Dry	ND	ND	SB-3 (8-10)
7		Bottom 27": Brownish Gray fine SAND, little clayey Silt, trace fine Gravel.		ND	Moist	ND	ND	
8				ND	Moist	ND	ND	
9				ND	Wet	ND	ND	
10								
11	56"	Top 16": Same as above		ND	Wet	ND	ND	
12		Bottom 40": Gray fine SAND, some clayey Silt, trace fine Gravel.		ND	Wet	ND	ND	
13				ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
15								
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater was encountered at approximately 9ft below grade during soil boring installation. End of soil boring at approximately 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		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-4		
		AKRF Project Number: 170131		Sheet 4 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 13:55		Finish Time: 14:10		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	95 °F, Clear					
		Logged By:	S. Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	45"	Top 5": Brown fine SAND, trace fine Gravel		ND	Dry	ND	ND	
2		Next 4": COBBLE		ND	Dry	ND	ND	
3		Bottom 36": Gray fine SAND, little SILT, fine Gravel		ND	Dry	ND	ND	
4				ND	Dry	ND	ND	
5								
6	40"	Gray fine SAND, some clayey Silt, trace Brick, fine Gravel		ND	Dry	ND	ND	SB-4 (8-10)
7				ND	Damp	ND	ND	
8				ND	Damp	ND	ND	
9				ND	Moist	ND	ND	
10								
11	60"	Top 35": Grayish Brown fine SAND, some clayey Silt, trace fine Gravel		ND	Moist	ND	ND	
12		Bottom 25": Dark Gray fine SAND, little coarse to fine Gravel		ND	Moist	ND	ND	
13				ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
15								
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater was encountered at approximately 12 ft below grade during soil boring installation. End of soil boring at approximately 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		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-5		
		AKRF Project Number: 170131		Sheet 5 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 13:30		Finish Time: 13:40		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	95 °F, Clear					
		Logged By:	S. Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	27"	Brown fine SAND, little Asphalt, coarse to fine Gravel		ND	Dry	ND	ND	
2				ND	Dry	ND	ND	
3				ND	Dry	ND	ND	
4				ND	Dry	ND	ND	
5								
6	58"	Top 28": Brownish Gray fine SAND, little clayey Silt Bottom 30": Gray fine SAND, some clayey Silt		ND	Dry	ND	ND	SB-5 (8-10)
7				ND	Moist	ND	ND	
8				ND	Moist	ND	ND	
9				ND	Moist	ND	ND	
10								
11	60"	Grey fine SAND, little clayey Silt		ND	Wet	ND	ND	
12				ND	Wet	ND	ND	
13				ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
15								
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater was encountered at approximately 10 ft below grade during soil boring installation. End of soil boring at approximately 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		135 S. Lexington Ave - White Plains, NY		Soil Boring ID:		SB-6		
		AKRF Project Number: 170131		Sheet 6 of 6				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Geoprobe	Drilling				
		Sampling Method:	5-ft Macrocore	Start Time: 13:10		Finish Time: 13:25		
		Driller:	Cascade	Date: 7/20/2017				
		Weather:	95 °F, Clear					
		Logged By:	S. Schmid					
Depth (feet)	Recovery (Inches)	Surface Condition: Grass		Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1	37"	Top 12": Brown fine SAND		ND	Dry	ND	ND	
2		Next 5": COBBLE		ND	Dry	ND	ND	
3		Bottom 20": Brown fine SAND, little Asphalt, trace fine Gravel		ND	Dry	ND	ND	
4				ND	Dry	ND	ND	
5								
6	36"	Top 2": SLOUGH		ND	Dry	ND	ND	SB-6 (8-10)
7		Next 20": Brownish Gray fine SAND, little clayey Silt, trace fine Gravel		ND	Moist	ND	ND	
8		Bottom 4": Dark Gray fine SAND, trace fine Gravel		ND	Moist	ND	ND	
9				ND	Wet	ND	ND	
10								
11	16"	Grey fine SAND, some clayey Silt		ND	Wet	ND	ND	
12				ND	Wet	ND	ND	
13				ND	Wet	ND	ND	
14				ND	Wet	ND	ND	
15								
16								
17								
18								
19								
20								
Notes: Soil samples were analyzed for VOCs (8260), SVOCs (8270), PCBs (8082) and TAL Metals Groundwater encountered at approximately 9ft below grade End of soil boring at approximately 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
LABORATORY ANALYTICAL REPORTS

ANALYTICAL REPORT

Job Number: 460-137545-2

Job Description: Brookfield

For:
AKRF Inc
34 South Broadway
Suite 314
White Plains, NY 10601
Attention: Stephen Grens



Approved for release.
Allison L. Bennett
Project Manager I
8/4/2017 1:05 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
08/04/2017

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LA000132

TestAmerica Laboratories, Inc.

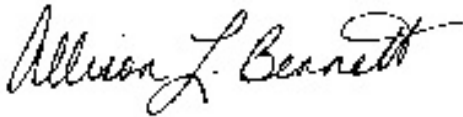
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-137545-2

Job Description: Brookfield

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in black ink, reading "Allison L. Bennett". The signature is written in a cursive style with a horizontal line extending from the end of the name.

Approved for release.
Allison L. Bennett
Project Manager I
8/4/2017 1:05 PM

Designee for
Melissa Haas

Table of Contents

Cover Title Page	1
Report Narrative	4
Executive Summary	5
Method Summary	6
Method / Analyst Summary	7
Sample Summary	8
Sample Results	9
Sample Datasheets	10
Data Qualifiers	14
QC Results	15
Qc Association Summary	16
Surrogate Recovery Report	17
Qc Reports	18
Client Chain of Custody	24
Sample Receipt Checklist	27

CASE NARRATIVE

Client: AKRF Inc

Project: Brookfield

Report Number: 460-137545-2

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 7/20/2017 8:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

POLYCHLORINATED BIPHENYLS

Samples SB-1(8-10) (460-137545-6) and SB-1(1-3) (460-137545-8) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 08/02/2017 and analyzed on 08/02/2017 and 08/03/2017.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-2

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method

No Detections

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-137545-2

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546

Lab References:

TAL EDI = TestAmerica Edison

Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-137545-2

Method	Analyst	Analyst ID
SW846 8082A	Patel, Jignesh	JHP

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-137545-2

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-137545-6	SB-1(8-10)	Solid	07/20/2017 1040	07/20/2017 2000
460-137545-8	SB-1(1-3)	Solid	07/20/2017 1045	07/20/2017 2000

SAMPLE RESULTS

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-2

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-453722

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-453608

Initial Weight/Volume: +15.0101 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/03/2017 0927

Injection Volume: 1 uL

Prep Date: 08/02/2017 2051

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.078	U	0.010	0.078
Aroclor 1221		0.078	U	0.010	0.078
Aroclor 1232		0.078	U	0.010	0.078
Aroclor 1242		0.078	U	0.010	0.078
Aroclor 1248		0.078	U	0.010	0.078
Aroclor 1254		0.078	U	0.011	0.078
Aroclor 1260		0.078	U	0.011	0.078
Aroclor-1262		0.078	U	0.011	0.078
Aroclor 1268		0.078	U	0.011	0.078
Polychlorinated biphenyls, Total		0.078	U	0.011	0.078

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	125		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-2

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-453722

Instrument ID: CPESTGC11

Prep Method: 3546

Prep Batch: 460-453608

Initial Weight/Volume: +15.0101 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/03/2017 0927

Injection Volume: 1 uL

Prep Date: 08/02/2017 2051

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	123		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-2

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Date Sampled: 07/20/2017 1045

Client Matrix: Solid

% Moisture: 8.5

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-453449

Instrument ID: CPESTGC7

Prep Method: 3546

Prep Batch: 460-453378

Initial Weight/Volume: +15.0069 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/02/2017 1618

Injection Volume: 1 uL

Prep Date: 08/02/2017 0143

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.073	U	0.0097	0.073
Aroclor 1221		0.073	U	0.0097	0.073
Aroclor 1232		0.073	U	0.0097	0.073
Aroclor 1242		0.073	U	0.0097	0.073
Aroclor 1248		0.073	U	0.0097	0.073
Aroclor 1254		0.073	U	0.010	0.073
Aroclor 1260		0.073	U	0.010	0.073
Aroclor-1262		0.073	U	0.010	0.073
Aroclor 1268		0.073	U	0.010	0.073
Polychlorinated biphenyls, Total		0.073	U	0.010	0.073

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-2

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Date Sampled: 07/20/2017 1045

Client Matrix: Solid

% Moisture: 8.5

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-453449

Instrument ID: CPESTGC7

Prep Method: 3546

Prep Batch: 460-453378

Initial Weight/Volume: +15.0069 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 08/02/2017 1618

Injection Volume: 1 uL

Prep Date: 08/02/2017 0143

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		35 - 150

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-137545-2

Lab Section	Qualifier	Description
GC Semi VOA	U	Analyzed for but not detected.
	p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.

QUALITY CONTROL RESULTS

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-453378					
LCS 460-453378/2-A	Lab Control Sample	T	Solid	3546	
MB 460-453378/1-A	Method Blank	T	Solid	3546	
460-137357-F-1-J MS	Matrix Spike	T	Solid	3546	
460-137357-F-1-K MSD	Matrix Spike Duplicate	T	Solid	3546	
460-137545-8	SB-1(1-3)	T	Solid	3546	
Analysis Batch:460-453449					
LCS 460-453378/2-A	Lab Control Sample	T	Solid	8082A	460-453378
MB 460-453378/1-A	Method Blank	T	Solid	8082A	460-453378
460-137357-F-1-J MS	Matrix Spike	T	Solid	8082A	460-453378
460-137357-F-1-K MSD	Matrix Spike Duplicate	T	Solid	8082A	460-453378
460-137545-8	SB-1(1-3)	T	Solid	8082A	460-453378
Prep Batch: 460-453608					
LCS 460-453608/2-A	Lab Control Sample	T	Solid	3546	
MB 460-453608/1-A	Method Blank	T	Solid	3546	
460-137545-6	SB-1(8-10)	T	Solid	3546	
460-138325-A-6-H MS	Matrix Spike	T	Solid	3546	
460-138325-A-6-I MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-453722					
LCS 460-453608/2-A	Lab Control Sample	T	Solid	8082A	460-453608
MB 460-453608/1-A	Method Blank	T	Solid	8082A	460-453608
460-137545-6	SB-1(8-10)	T	Solid	8082A	460-453608
460-138325-A-6-H MS	Matrix Spike	T	Solid	8082A	460-453608
460-138325-A-6-I MSD	Matrix Spike Duplicate	T	Solid	8082A	460-453608

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1	DCBP2
		%Rec	%Rec
460-137545-6	SB-1(8-10)	123	125
460-137545-8	SB-1(1-3)	117	118
MB 460-453378/1-A		112	113
MB 460-453608/1-A		136	125
LCS 460-453378/2-A		108	107
LCS 460-453608/2-A		118	122
460-137357-F-1-J MS		121	121
460-138325-A-6-H MS		134	129
460-137357-F-1-K MSD		124	123
460-138325-A-6-I MSD		132	127

Surrogate	Acceptance Limits
DCBP = DCB Decachlorobiphenyl	35-150

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Method Blank - Batch: 460-453378

Method: 8082A Preparation: 3546

Lab Sample ID:	MB 460-453378/1-A	Analysis Batch:	460-453449	Instrument ID:	CPESTGC7
Client Matrix:	Solid	Prep Batch:	460-453378	Lab File ID:	7R006340.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/02/2017 1223	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 0143			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.067	U	0.0089	0.067
Aroclor 1221	0.067	U	0.0089	0.067
Aroclor 1232	0.067	U	0.0089	0.067
Aroclor 1242	0.067	U	0.0089	0.067
Aroclor 1248	0.067	U	0.0089	0.067
Aroclor 1254	0.067	U	0.0092	0.067
Aroclor 1260	0.067	U	0.0092	0.067
Aroclor-1262	0.067	U	0.0092	0.067
Aroclor 1268	0.067	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.067	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	113	35 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	112	35 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Lab Control Sample - Batch: 460-453378

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-453378/2-A	Analysis Batch:	460-453449	Instrument ID:	CPESTGC7
Client Matrix:	Solid	Prep Batch:	460-453378	Lab File ID:	7R006341.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/02/2017 1246	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 0143			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.385	115	77 - 150	
Aroclor 1260	0.333	0.373	112	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	108		35 - 150		

Lab Control Sample - Batch: 460-453378

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-453378/2-A	Analysis Batch:	460-453449	Instrument ID:	CPESTGC7
Client Matrix:	Solid	Prep Batch:	460-453378	Lab File ID:	7R006341.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/02/2017 1246	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 0143			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.371	111	77 - 150	
Aroclor 1260	0.333	0.370	111	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	107		35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-453378

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-137357-F-1-J MS	Analysis Batch: 460-453449	Instrument ID: CPESTGC7
Client Matrix: Solid	Prep Batch: 460-453378	Lab File ID: 7R006344.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0031 g
Analysis Date: 08/02/2017 1357		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 0143		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-137357-F-1-K MSD	Analysis Batch: 460-453449	Instrument ID: CPESTGC7
Client Matrix: Solid	Prep Batch: 460-453378	Lab File ID: 7R006346.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0025 g
Analysis Date: 08/02/2017 1444		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 0143		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	132	129	77 - 150	2	30		
Aroclor 1260	129	127	79 - 150	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	121		124	35 - 150			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-453378

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-137357-F-1-J MS	Analysis Batch: 460-453449	Instrument ID: CPESTGC7
Client Matrix: Solid	Prep Batch: 460-453378	Lab File ID: 7R006344.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0031 g
Analysis Date: 08/02/2017 1357		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 0143		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-137357-F-1-K MSD	Analysis Batch: 460-453449	Instrument ID: CPESTGC7
Client Matrix: Solid	Prep Batch: 460-453378	Lab File ID: 7R006346.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0025 g
Analysis Date: 08/02/2017 1444		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 0143		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	123	120	77 - 150	3	30		
Aroclor 1260	129	126	79 - 150	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	121		123	35 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Method Blank - Batch: 460-453608

Method: 8082A Preparation: 3546

Lab Sample ID:	MB 460-453608/1-A	Analysis Batch:	460-453722	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-453608	Lab File ID:	T1346702.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/03/2017 0731	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 2051			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.067	U	0.0089	0.067
Aroclor 1221	0.067	U	0.0089	0.067
Aroclor 1232	0.067	U	0.0089	0.067
Aroclor 1242	0.067	U	0.0089	0.067
Aroclor 1248	0.067	U	0.0089	0.067
Aroclor 1254	0.067	U	0.0092	0.067
Aroclor 1260	0.067	U	0.0092	0.067
Aroclor-1262	0.067	U	0.0092	0.067
Aroclor 1268	0.067	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.067	U	0.0092	0.067

Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	136	35 - 150
Surrogate	% Rec	Acceptance Limits
DCB Decachlorobiphenyl	125	35 - 150

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Lab Control Sample - Batch: 460-453608

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-453608/2-A	Analysis Batch:	460-453722	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-453608	Lab File ID:	T1346703.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/03/2017 0746	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 2051			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.433	130	77 - 150	
Aroclor 1260	0.333	0.435	130	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	122		35 - 150		

Lab Control Sample - Batch: 460-453608

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-453608/2-A	Analysis Batch:	460-453722	Instrument ID:	CPESTGC11
Client Matrix:	Solid	Prep Batch:	460-453608	Lab File ID:	T1346703.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	+15.0000 g
Analysis Date:	08/03/2017 0746	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	08/02/2017 2051			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.411	123	77 - 150	
Aroclor 1260	0.333	0.410	123	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	118		35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-2

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-453608

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-138325-A-6-H MS	Analysis Batch: 460-453722	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-453608	Lab File ID: T1346704.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0336 g
Analysis Date: 08/03/2017 0800		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 2051		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-138325-A-6-I MSD	Analysis Batch: 460-453722	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-453608	Lab File ID: T1346705.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0069 g
Analysis Date: 08/03/2017 0815		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 2051		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	143	139	77 - 150	2	30		
Aroclor 1260	140	137	79 - 150	2	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	134		132	35 - 150			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-453608

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-138325-A-6-H MS	Analysis Batch: 460-453722	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-453608	Lab File ID: T1346704.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0336 g
Analysis Date: 08/03/2017 0800		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 2051		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-138325-A-6-I MSD	Analysis Batch: 460-453722	Instrument ID: CPESTGC11
Client Matrix: Solid	Prep Batch: 460-453608	Lab File ID: T1346705.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: +15.0069 g
Analysis Date: 08/03/2017 0815		Final Weight/Volume: 10 mL
Prep Date: 08/02/2017 2051		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	140	140	77 - 150	0	30		
Aroclor 1260	136	135	79 - 150	1	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	129		127	35 - 150			

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUI:

460-137545 Chain of Custody



777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Page 1 of 2

Name (for report and invoice) State Grns		Samplers Name (Printed) State Schmid		City/State/County Brockfield	
Company AKRF		P.O. # 170131		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 440 Park Ave S.		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: ☐ Other: ☐	
City NY		State NY		LAB USE ONLY Project No: 137545	
Phone 203-810-6573		Fax 203-810-6573		Job No: 137545	
Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)
SB-4 (8-10)	7/24/17	1410	soil	5	X VOC X DN X SW X TAC metals X PCBs 8882
SB-5 (8-10)		1340		5	X X X X X
SB-6 (8-10)		1325		5	X X X X X
SB-2 (2-4)		1210		5	X X X X X
SB-2 (8-10)		125		5	X X X X X
SB-1 (8-10)		1040		5	X X X X X
SB-3 (8-10)		1135		5	X X X X X
SB-1 (1-3)		1045		5	X X X X X
SHORT HOLD					
Preservation Used: 1 = ICE, 2 = DCL, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH					
6 = Other _____, 7 = Other _____					
Soil: _____ Water: _____					
Special Instructions: Cat A					
Relinquished by	Company	Date / Time	Received by	Company	Water Metals Filtered (Yes/No)?
AKRF	AKRF	7/24/17 1633	1) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	2) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	3) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	4) Vray Mansueto Accurate Locust	AKRF	

460°C
JDK

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132), Massachusetts (M-NJ312), North Carolina (No. 578)

TAL-0016 (07/15)

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

Massachusetts (M-NJ312), North Carolina (No. 578)

15748

11

1

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-137545-2

Login Number: 137545
List Number: 1
Creator: Rivera, Kenneth

List Source: TestAmerica Edison

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6°C, IR #8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	See NCM
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

Job Number: 460-137545-1

Job Description: Brookfield

For:
AKRF Inc
34 South Broadway
Suite 314
White Plains, NY 10601
Attention: Stephen Grens



Approved for release.
Allison L. Bennett
Project Manager I
8/4/2017 1:04 PM

Designee for
Melissa Haas, Project Manager I
777 New Durham Road, Edison, NJ, 08817
(203)944-1310
melissa.haas@testamericainc.com
08/04/2017
Revision: 1

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

TestAmerica Laboratories, Inc.

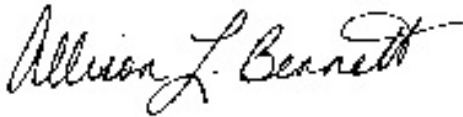
TestAmerica Edison 777 New Durham Road, Edison, NJ 08817
Tel (732) 549-3900 Fax (732) 549-3679 www.testamericainc.com



Job Number: 460-137545-1

Job Description: Brookfield

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.

A handwritten signature in black ink that reads "Allison L. Bennett". The signature is written in a cursive style with a horizontal line extending from the end of the name.

Approved for release.
Allison L. Bennett
Project Manager I
8/4/2017 1:04 PM

Designee for
Melissa Haas

Table of Contents

Cover Title Page	1
Report Narrative	4
Executive Summary	7
Method Summary	13
Method / Analyst Summary	14
Sample Summary	15
Sample Results	16
Sample Datasheets	17
Data Qualifiers	91
QC Results	92
Qc Association Summary	93
Surrogate Recovery Report	98
Qc Reports	103
Client Chain of Custody	137
Sample Receipt Checklist	140

CASE NARRATIVE

Client: AKRF Inc

Project: Brookfield

Report Number: 460-137545-1

Revision 1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Revision 1 excludes PCB data from sample SB-1(8-10) (460-137545-6). The lab re-extracted and re-analyzed the sample and is reported under job 460-137545-2.

RECEIPT

The samples were received on 7/20/2017 8:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.6° C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(2-4) (460-137545-4), SB-2(8-10) (460-137545-5), SB-1(8-10) (460-137545-6), SB-3(8-10) (460-137545-7) and SB-1(1-3) (460-137545-8) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 07/21/2017 and analyzed on 07/22/2017.

The continuing calibration verification (CCV) associated with batch 451216 recovered above the upper control limit for Acetonitrile. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Methylene Chloride was detected in method blank LB3 460-450930/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TW-2 (460-137545-9), TW-3 (460-137545-10), TW-5 (460-137545-11), TW-1 (460-137545-12) and TB (460-137545-13) were analyzed for volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 07/24/2017 and 07/25/2017.

The continuing calibration verification (CCV) associated with batch 451328 recovered above the upper control limit for Vinyl chloride, Chloromethane, 1,2-Dichloropropane and Methyl acetate. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-451562 was outside the method criteria for the following analyte(s):

Trichlorofluoromethane (biased low), Chloromethane, 1,2-Dichloropropane and Methyl acetate (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-451328 recovered outside control limits for the following analytes: Chloromethane and 1,2-Dichloropropane. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample (LCS) for analytical batch 460-451562 recovered outside control limits for the following analytes: Chloromethane and 1,2-Dichloropropane. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

1,2-Dichloropropane failed the recovery criteria high for the MS of sample 460-137623-4 in batch 460-451562.

1,2-Dichloropropane and Chloromethane failed the recovery criteria high for the MSD of sample 460-137623-4 in batch 460-451562.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(2-4) (460-137545-4), SB-2(8-10) (460-137545-5), SB-1(8-10) (460-137545-6), SB-3(8-10) (460-137545-7) and SB-1(1-3) (460-137545-8) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 07/21/2017 and analyzed on 07/23/2017.

The continuing calibration verification (CCV) analyzed in batch 460-451178 was outside the method criteria for the following analyte(s): Indeno[1,2,3-cd]pyrene. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for five analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch preparation batch 460-451150 and analytical batch 460-451178 had one analyte (Indeno[1,2,3-cd]pyrene) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

2-Fluorobiphenyl failed the surrogate recovery criteria high for LCS 460-451150/2-A.

Several analytes failed the recovery criteria low for the MS of sample SB-4(8-10)MS (460-137545-1) in batch 460-451178.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples TW-2 (460-137545-9), TW-3 (460-137545-10), TW-5 (460-137545-11) and TW-1 (460-137545-12) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 07/21/2017 and analyzed on 07/23/2017.

Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: TW-5 (460-137545-11). These results have been reported and qualified.

Three surrogates are used for this analysis. The laboratory's SOP allows one of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: TW-1 (460-137545-12). These results have been reported and qualified.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(8-10) (460-137545-5), and SB-3(8-10) (460-137545-7) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 07/24/2017 and analyzed on 07/25/2017.

The Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the confirmation column due to matrix interference: SB-4(8-10) (460-137545-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

The following sample required a dilution due to the nature of the sample matrix: SB-1(8-10) (460-137545-6). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SB-4(8-10) (460-137545-1). DCB Decachlorobiphenyl failed the surrogate recovery criteria low for SB-1(8-10) (460-137545-6). Refer to the QC report for details.

Aroclor 1260 failed the recovery criteria low for the MSD of sample 460-137672-15 in batch 460-451664. Aroclor 1016 and Aroclor 1260 exceeded the RPD limit.

Refer to the QC report for details.

Sample SB-1(8-10) (460-137545-6)[5000X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(8-10) (460-137545-5), SB-1(8-10) (460-137545-6) and SB-3(8-10) (460-137545-7) were analyzed for metals in accordance with EPA SW-846 Methods 6010C. The samples were prepared and analyzed on 07/21/2017.

Antimony failed the recovery criteria low for the MS of sample 460-137542-8 in batch 460-451147. Several analytes failed the recovery criteria high.

Arsenic exceeded the RPD limit for the duplicate of sample 460-137542-8.

The presence of the '4' qualifier in the data indicates analytes where the concentration in the unspiked sample exceeded four times the spiking amount.

Refer to the QC report for details.

Samples SB-4(8-10) (460-137545-1)[4X], SB-5(8-10) (460-137545-2)[4X], SB-6(8-10) (460-137545-3)[4X], SB-2(8-10) (460-137545-5)[4X], SB-1(8-10) (460-137545-6)[4X] and SB-3(8-10) (460-137545-7)[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(8-10) (460-137545-5), SB-1(8-10) (460-137545-6) and SB-3(8-10) (460-137545-7) were analyzed for mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 07/26/2017.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-4(8-10) (460-137545-1), SB-5(8-10) (460-137545-2), SB-6(8-10) (460-137545-3), SB-2(2-4) (460-137545-4), SB-2(8-10) (460-137545-5), SB-1(8-10) (460-137545-6), SB-3(8-10) (460-137545-7) and SB-1(1-3) (460-137545-8) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 07/25/2017.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-1	SB-4(8-10)					
Methylene Chloride		0.0015	B	0.0012	mg/Kg	8260C
Aluminum		16900		52.8	mg/Kg	6010C
Arsenic		2.9	J	4.0	mg/Kg	6010C
Barium		134		52.8	mg/Kg	6010C
Beryllium		0.35	J	0.53	mg/Kg	6010C
Calcium		3130		1320	mg/Kg	6010C
Cobalt		12.3	J	13.2	mg/Kg	6010C
Chromium		30.9		2.6	mg/Kg	6010C
Copper		14.5		6.6	mg/Kg	6010C
Iron		30000		39.6	mg/Kg	6010C
Potassium		1790		1320	mg/Kg	6010C
Magnesium		5410		1320	mg/Kg	6010C
Manganese		201		4.0	mg/Kg	6010C
Nickel		21.6		10.6	mg/Kg	6010C
Lead		8.6		2.6	mg/Kg	6010C
Vanadium		37.9		13.2	mg/Kg	6010C
Zinc		98.9		7.9	mg/Kg	6010C
Mercury		0.073		0.021	mg/Kg	7471B
Percent Moisture		26.4		1.0	%	Moisture
Percent Solids		73.6		1.0	%	Moisture
460-137545-2	SB-5(8-10)					
Methylene Chloride		0.0012	J B	0.0014	mg/Kg	8260C
Aluminum		19000		54.0	mg/Kg	6010C
Arsenic		2.7	J	4.1	mg/Kg	6010C
Barium		136		54.0	mg/Kg	6010C
Beryllium		0.56		0.54	mg/Kg	6010C
Calcium		3320		1350	mg/Kg	6010C
Cobalt		11.4	J	13.5	mg/Kg	6010C
Chromium		33.6		2.7	mg/Kg	6010C
Copper		10.4		6.8	mg/Kg	6010C
Iron		31800		40.5	mg/Kg	6010C
Potassium		866	J	1350	mg/Kg	6010C
Magnesium		5060		1350	mg/Kg	6010C
Manganese		249		4.1	mg/Kg	6010C
Nickel		19.1		10.8	mg/Kg	6010C
Lead		11.5		2.7	mg/Kg	6010C
Vanadium		53.0		13.5	mg/Kg	6010C
Zinc		89.2		8.1	mg/Kg	6010C
Mercury		0.053		0.022	mg/Kg	7471B
Percent Moisture		26.7		1.0	%	Moisture
Percent Solids		73.3		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-3	SB-6(8-10)					
Methylene Chloride		0.00097	B	0.00094	mg/Kg	8260C
Aluminum		11200		45.0	mg/Kg	6010C
Arsenic		4.0		3.4	mg/Kg	6010C
Barium		358		45.0	mg/Kg	6010C
Beryllium		0.32	J	0.45	mg/Kg	6010C
Calcium		14100		1130	mg/Kg	6010C
Cadmium		0.26	J	0.90	mg/Kg	6010C
Cobalt		6.9	J	11.3	mg/Kg	6010C
Chromium		21.2		2.3	mg/Kg	6010C
Copper		40.5		5.6	mg/Kg	6010C
Iron		16400		33.8	mg/Kg	6010C
Potassium		1670		1130	mg/Kg	6010C
Magnesium		4900		1130	mg/Kg	6010C
Manganese		273		3.4	mg/Kg	6010C
Sodium		236	J	1130	mg/Kg	6010C
Nickel		14.9		9.0	mg/Kg	6010C
Lead		472		2.3	mg/Kg	6010C
Antimony		0.57	J	4.5	mg/Kg	6010C
Vanadium		33.0		11.3	mg/Kg	6010C
Zinc		281		6.8	mg/Kg	6010C
Percent Moisture		15.4		1.0	%	Moisture
Percent Solids		84.6		1.0	%	Moisture
460-137545-4	SB-2(2-4)					
2-Butanone (MEK)		0.0027	J	0.0057	mg/Kg	8260C
Acetone		0.013		0.0057	mg/Kg	8260C
Methylene Chloride		0.00046	J B	0.0011	mg/Kg	8260C
Percent Moisture		21.6		1.0	%	Moisture
Percent Solids		78.4		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-5	SB-2(8-10)					
Methylene Chloride		0.0013	B	0.0011	mg/Kg	8260C
Anthracene		0.043	J	0.36	mg/Kg	8270D
Benzo[a]anthracene		0.18		0.036	mg/Kg	8270D
Benzo[a]pyrene		0.19		0.036	mg/Kg	8270D
Benzo[b]fluoranthene		0.26		0.036	mg/Kg	8270D
Benzo[g,h,i]perylene		0.15	J	0.36	mg/Kg	8270D
Benzo[k]fluoranthene		0.12		0.036	mg/Kg	8270D
Chrysene		0.20	J	0.36	mg/Kg	8270D
Fluoranthene		0.36		0.36	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.14	*	0.036	mg/Kg	8270D
Phenanthrene		0.20	J	0.36	mg/Kg	8270D
Pyrene		0.33	J	0.36	mg/Kg	8270D
Aluminum		9960		42.7	mg/Kg	6010C
Barium		69.6		42.7	mg/Kg	6010C
Beryllium		0.31	J	0.43	mg/Kg	6010C
Calcium		1810		1070	mg/Kg	6010C
Cobalt		6.1	J	10.7	mg/Kg	6010C
Chromium		21.3		2.1	mg/Kg	6010C
Copper		8.4		5.3	mg/Kg	6010C
Iron		14500		32.0	mg/Kg	6010C
Potassium		485	J	1070	mg/Kg	6010C
Magnesium		3680		1070	mg/Kg	6010C
Manganese		119		3.2	mg/Kg	6010C
Sodium		84.6	J	1070	mg/Kg	6010C
Nickel		11.2		8.5	mg/Kg	6010C
Lead		4.2		2.1	mg/Kg	6010C
Vanadium		28.6		10.7	mg/Kg	6010C
Zinc		39.6		6.4	mg/Kg	6010C
Mercury		0.13		0.018	mg/Kg	7471B
Percent Moisture		9.1		1.0	%	Moisture
Percent Solids		90.9		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-6	SB-1(8-10)					
Methylene Chloride		0.00064	J B	0.0012	mg/Kg	8260C
Aluminum		10700		45.1	mg/Kg	6010C
Barium		104		45.1	mg/Kg	6010C
Beryllium		0.31	J	0.45	mg/Kg	6010C
Calcium		2300		1130	mg/Kg	6010C
Cobalt		9.6	J	11.3	mg/Kg	6010C
Chromium		23.4		2.3	mg/Kg	6010C
Copper		20.4		5.6	mg/Kg	6010C
Iron		16200		33.9	mg/Kg	6010C
Potassium		2100		1130	mg/Kg	6010C
Magnesium		4750		1130	mg/Kg	6010C
Manganese		104		3.4	mg/Kg	6010C
Sodium		249	J	1130	mg/Kg	6010C
Nickel		18.6		9.0	mg/Kg	6010C
Lead		5.3		2.3	mg/Kg	6010C
Vanadium		29.6		11.3	mg/Kg	6010C
Zinc		57.9		6.8	mg/Kg	6010C
Mercury		0.012	J	0.019	mg/Kg	7471B
Percent Moisture		14.0		1.0	%	Moisture
Percent Solids		86.0		1.0	%	Moisture
460-137545-7	SB-3(8-10)					
Methylene Chloride		0.0011	B	0.0010	mg/Kg	8260C
Aluminum		7020		44.7	mg/Kg	6010C
Barium		59.7		44.7	mg/Kg	6010C
Beryllium		0.15	J	0.45	mg/Kg	6010C
Calcium		2170		1120	mg/Kg	6010C
Cobalt		5.7	J	11.2	mg/Kg	6010C
Chromium		17.5		2.2	mg/Kg	6010C
Copper		15.4		5.6	mg/Kg	6010C
Iron		14900		33.5	mg/Kg	6010C
Potassium		2120		1120	mg/Kg	6010C
Magnesium		3640		1120	mg/Kg	6010C
Manganese		113		3.4	mg/Kg	6010C
Nickel		13.3		8.9	mg/Kg	6010C
Lead		3.3		2.2	mg/Kg	6010C
Vanadium		25.3		11.2	mg/Kg	6010C
Zinc		34.8		6.7	mg/Kg	6010C
Percent Moisture		14.0		1.0	%	Moisture
Percent Solids		86.0		1.0	%	Moisture

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-8	SB-1(1-3)					
Methylene Chloride		0.00057	J B	0.0012	mg/Kg	8260C
Tetrachloroethene		0.00089	J	0.0012	mg/Kg	8260C
Benzo[a]anthracene		0.096		0.036	mg/Kg	8270D
Benzo[a]pyrene		0.10		0.036	mg/Kg	8270D
Benzo[b]fluoranthene		0.16		0.036	mg/Kg	8270D
Benzo[g,h,i]perylene		0.076	J	0.36	mg/Kg	8270D
Benzo[k]fluoranthene		0.054		0.036	mg/Kg	8270D
Chrysene		0.12	J	0.36	mg/Kg	8270D
Fluoranthene		0.20	J	0.36	mg/Kg	8270D
Indeno[1,2,3-cd]pyrene		0.051	*	0.036	mg/Kg	8270D
Phenanthrene		0.087	J	0.36	mg/Kg	8270D
Pyrene		0.22	J	0.36	mg/Kg	8270D
Percent Moisture		8.5		1.0	%	Moisture
Percent Solids		91.5		1.0	%	Moisture
460-137545-9	TW-2					
cis-1,2-Dichloroethene		16		1.0	ug/L	8260C
Methyl tert-butyl ether		0.20	J	1.0	ug/L	8260C
Tetrachloroethene		3.5		1.0	ug/L	8260C
Toluene		0.40	J	1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.21	J	1.0	ug/L	8260C
Trichloroethene		1.2		1.0	ug/L	8260C
460-137545-10	TW-3					
Acetone		23		5.0	ug/L	8260C
Toluene		0.62	J	1.0	ug/L	8260C
460-137545-11	TW-5					
Acetone		6.4		5.0	ug/L	8260C
cis-1,2-Dichloroethene		9.8		1.0	ug/L	8260C
Methyl tert-butyl ether		4.3		1.0	ug/L	8260C
Tetrachloroethene		100		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.61	J	1.0	ug/L	8260C
Trichloroethene		16		1.0	ug/L	8260C

EXECUTIVE SUMMARY - Detections

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID Analyte	Client Sample ID	Result	Qualifier	Reporting Limit	Units	Method
460-137545-12	TW-1					
cis-1,2-Dichloroethene		27		1.0	ug/L	8260C
Methyl tert-butyl ether		1.1		1.0	ug/L	8260C
Tetrachloroethene		65		1.0	ug/L	8260C
trans-1,2-Dichloroethene		0.26	J	1.0	ug/L	8260C
Trichloroethene		4.3		1.0	ug/L	8260C
Vinyl chloride		1.6		1.0	ug/L	8260C
460-137545-13TB	TB					
Acetone		5.4		5.0	ug/L	8260C

METHOD SUMMARY

Client: AKRF Inc

Job Number: 460-137545-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Closed System Purge and Trap	TAL EDI		SW846 5035
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Microwave Extraction	TAL EDI		SW846 3546
Polychlorinated Biphenyls (PCBs) by Gas Chromatography	TAL EDI	SW846 8082A	
Microwave Extraction	TAL EDI		SW846 3546
Metals (ICP)	TAL EDI	SW846 6010C	
Preparation, Metals	TAL EDI		SW846 3050B
Mercury (CVAA)	TAL EDI	SW846 7471B	
Preparation, Mercury	TAL EDI		SW846 7471B
Percent Moisture	TAL EDI	EPA Moisture	
Matrix: Water			
Volatile Organic Compounds by GC/MS	TAL EDI	SW846 8260C	
Purge and Trap	TAL EDI		SW846 5030C
Semivolatile Organic Compounds (GC/MS)	TAL EDI	SW846 8270D	
Liquid-Liquid Extraction (Separatory Funnel)	TAL EDI		SW846 3510C

Lab References:

TAL EDI = TestAmerica Edison

Method References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

METHOD / ANALYST SUMMARY

Client: AKRF Inc

Job Number: 460-137545-1

Method	Analyst	Analyst ID
SW846 8260C	Boykin, Kenneth	KLB
SW846 8260C	Sarmiento, Daniel	DAS
SW846 8260C	Starzec, Margaret	MZS
SW846 8270D	Crocco, Michael	MMC
SW846 8082A	Patel, Jignesh	JHP
SW846 6010C	Huang, Yixin	YZH
SW846 7471B	Staib, Thomas	TJS
EPA Moisture	Callahan, Rory W	RWC

SAMPLE SUMMARY

Client: AKRF Inc

Job Number: 460-137545-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
460-137545-1	SB-4(8-10)	Solid	07/20/2017 1410	07/20/2017 2000
460-137545-2	SB-5(8-10)	Solid	07/20/2017 1340	07/20/2017 2000
460-137545-3	SB-6(8-10)	Solid	07/20/2017 1325	07/20/2017 2000
460-137545-4	SB-2(2-4)	Solid	07/20/2017 1210	07/20/2017 2000
460-137545-5	SB-2(8-10)	Solid	07/20/2017 1215	07/20/2017 2000
460-137545-6	SB-1(8-10)	Solid	07/20/2017 1040	07/20/2017 2000
460-137545-7	SB-3(8-10)	Solid	07/20/2017 1135	07/20/2017 2000
460-137545-8	SB-1(1-3)	Solid	07/20/2017 1045	07/20/2017 2000
460-137545-9	TW-2	Water	07/20/2017 1330	07/20/2017 2000
460-137545-10	TW-3	Water	07/20/2017 1355	07/20/2017 2000
460-137545-11	TW-5	Water	07/20/2017 1520	07/20/2017 2000
460-137545-12	TW-1	Water	07/20/2017 1130	07/20/2017 2000
460-137545-13TB	TB	Water	07/20/2017 0000	07/20/2017 2000

SAMPLE RESULTS

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70887.D

Dilution: 1.0

Initial Weight/Volume: 5.86 g

Analysis Date: 07/22/2017 1744

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0647

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0012	U	0.00027	0.0012
1,1,2,2-Tetrachloroethane		0.0012	U	0.00025	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0012	U	0.00035	0.0012
1,1,2-Trichloroethane		0.0012	U	0.00021	0.0012
1,1-Dichloroethane		0.0012	U	0.00024	0.0012
1,1-Dichloroethene		0.0012	U	0.00026	0.0012
1,2,3-Trichlorobenzene		0.0012	U	0.00021	0.0012
1,2,4-Trichlorobenzene		0.0012	U	0.00011	0.0012
1,2-Dibromo-3-Chloropropane		0.0012	U	0.00053	0.0012
1,2-Dichlorobenzene		0.0012	U	0.00017	0.0012
1,2-Dichloroethane		0.0012	U	0.00034	0.0012
1,2-Dichloropropane		0.0012	U	0.00049	0.0012
1,3-Dichlorobenzene		0.0012	U	0.00018	0.0012
1,4-Dichlorobenzene		0.0012	U	0.00012	0.0012
1,4-Dioxane		0.023	U	0.011	0.023
2-Butanone (MEK)		0.0058	U	0.0013	0.0058
2-Hexanone		0.0058	U	0.00090	0.0058
4-Methyl-2-pentanone (MIBK)		0.0058	U	0.00077	0.0058
Acetone		0.0058	U	0.0044	0.0058
Acetonitrile		0.012	U	0.0072	0.012
Acrolein		0.12	U	0.032	0.12
Benzene		0.0012	U	0.00030	0.0012
Bromoform		0.0012	U	0.00049	0.0012
Bromomethane		0.0012	U	0.00055	0.0012
Carbon disulfide		0.0012	U	0.00031	0.0012
Carbon tetrachloride		0.0012	U	0.00021	0.0012
Chlorobenzene		0.0012	U	0.00021	0.0012
Chlorobromomethane		0.0012	U	0.00033	0.0012
Chlorodibromomethane		0.0012	U	0.00023	0.0012
Chloroethane		0.0012	U	0.00061	0.0012
Chloroform		0.0012	U	0.00037	0.0012
Chloromethane		0.0012	U	0.00050	0.0012
cis-1,2-Dichloroethene		0.0012	U	0.00018	0.0012
cis-1,3-Dichloropropene		0.0012	U	0.00032	0.0012
Cyclohexane		0.0012	U	0.00026	0.0012
Dichlorobromomethane		0.0012	U	0.00030	0.0012
Dichlorodifluoromethane		0.0012	U	0.00039	0.0012
Ethylbenzene		0.0012	U	0.00023	0.0012
Ethylene Dibromide		0.0012	U	0.00021	0.0012
Isopropylbenzene		0.0012	U	0.00015	0.0012
Methyl acetate		0.0058	U	0.0050	0.0058
Methyl tert-butyl ether		0.0012	U	0.00014	0.0012
Methylcyclohexane		0.0012	U	0.00019	0.0012
Methylene Chloride		0.0015	B	0.00019	0.0012
m-Xylene & p-Xylene		0.0012	U	0.00020	0.0012
o-Xylene		0.0012	U	0.00011	0.0012

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70887.D

Dilution: 1.0

Initial Weight/Volume: 5.86 g

Analysis Date: 07/22/2017 1744

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0647

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0012	U	0.00014	0.0012
TBA		0.012	U	0.0038	0.012
Tetrachloroethene		0.0012	U	0.00017	0.0012
Toluene		0.0012	U	0.00072	0.0012
trans-1,2-Dichloroethene		0.0012	U	0.00029	0.0012
trans-1,3-Dichloropropene		0.0012	U	0.00031	0.0012
Trichloroethene		0.0012	U	0.00017	0.0012
Trichlorofluoromethane		0.0012	U	0.00047	0.0012
Vinyl chloride		0.0012	U	0.00063	0.0012

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	99		78 - 135
4-Bromofluorobenzene	96		67 - 126
Dibromofluoromethane (Surr)	103		61 - 149
Toluene-d8 (Surr)	109		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70888.D

Dilution: 1.0

Initial Weight/Volume: 4.97 g

Analysis Date: 07/22/2017 1807

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0648

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0014	U	0.00032	0.0014
1,1,2,2-Tetrachloroethane		0.0014	U	0.00029	0.0014
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0014	U	0.00041	0.0014
1,1,2-Trichloroethane		0.0014	U	0.00024	0.0014
1,1-Dichloroethane		0.0014	U	0.00028	0.0014
1,1-Dichloroethene		0.0014	U	0.00031	0.0014
1,2,3-Trichlorobenzene		0.0014	U	0.00025	0.0014
1,2,4-Trichlorobenzene		0.0014	U	0.00013	0.0014
1,2-Dibromo-3-Chloropropane		0.0014	U	0.00063	0.0014
1,2-Dichlorobenzene		0.0014	U	0.00020	0.0014
1,2-Dichloroethane		0.0014	U	0.00041	0.0014
1,2-Dichloropropane		0.0014	U	0.00058	0.0014
1,3-Dichlorobenzene		0.0014	U	0.00022	0.0014
1,4-Dichlorobenzene		0.0014	U	0.00014	0.0014
1,4-Dioxane		0.027	U	0.013	0.027
2-Butanone (MEK)		0.0069	U	0.0015	0.0069
2-Hexanone		0.0069	U	0.0011	0.0069
4-Methyl-2-pentanone (MIBK)		0.0069	U	0.00091	0.0069
Acetone		0.0069	U	0.0052	0.0069
Acetonitrile		0.014	U	0.0086	0.014
Acrolein		0.14	U	0.038	0.14
Benzene		0.0014	U	0.00035	0.0014
Bromoform		0.0014	U	0.00058	0.0014
Bromomethane		0.0014	U	0.00065	0.0014
Carbon disulfide		0.0014	U	0.00037	0.0014
Carbon tetrachloride		0.0014	U	0.00025	0.0014
Chlorobenzene		0.0014	U	0.00024	0.0014
Chlorobromomethane		0.0014	U	0.00039	0.0014
Chlorodibromomethane		0.0014	U	0.00027	0.0014
Chloroethane		0.0014	U	0.00072	0.0014
Chloroform		0.0014	U	0.00044	0.0014
Chloromethane		0.0014	U	0.00060	0.0014
cis-1,2-Dichloroethene		0.0014	U	0.00021	0.0014
cis-1,3-Dichloropropene		0.0014	U	0.00037	0.0014
Cyclohexane		0.0014	U	0.00030	0.0014
Dichlorobromomethane		0.0014	U	0.00035	0.0014
Dichlorodifluoromethane		0.0014	U	0.00046	0.0014
Ethylbenzene		0.0014	U	0.00027	0.0014
Ethylene Dibromide		0.0014	U	0.00025	0.0014
Isopropylbenzene		0.0014	U	0.00017	0.0014
Methyl acetate		0.0069	U	0.0059	0.0069
Methyl tert-butyl ether		0.0014	U	0.00017	0.0014
Methylcyclohexane		0.0014	U	0.00022	0.0014
Methylene Chloride		0.0012	J B	0.00022	0.0014
m-Xylene & p-Xylene		0.0014	U	0.00024	0.0014
o-Xylene		0.0014	U	0.00013	0.0014

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70888.D

Dilution: 1.0

Initial Weight/Volume: 4.97 g

Analysis Date: 07/22/2017 1807

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0648

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0014	U	0.00017	0.0014
TBA		0.014	U	0.0045	0.014
Tetrachloroethene		0.0014	U	0.00020	0.0014
Toluene		0.0014	U	0.00086	0.0014
trans-1,2-Dichloroethene		0.0014	U	0.00034	0.0014
trans-1,3-Dichloropropene		0.0014	U	0.00037	0.0014
Trichloroethene		0.0014	U	0.00020	0.0014
Trichlorofluoromethane		0.0014	U	0.00056	0.0014
Vinyl chloride		0.0014	U	0.00075	0.0014

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	93		78 - 135
4-Bromofluorobenzene	89		67 - 126
Dibromofluoromethane (Surr)	96		61 - 149
Toluene-d8 (Surr)	100		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70889.D

Dilution: 1.0

Initial Weight/Volume: 6.29 g

Analysis Date: 07/22/2017 1831

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0649

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.00094	U	0.00022	0.00094
1,1,2,2-Tetrachloroethane		0.00094	U	0.00020	0.00094
1,1,2-Trichloro-1,2,2-trifluoroethane		0.00094	U	0.00028	0.00094
1,1,2-Trichloroethane		0.00094	U	0.00017	0.00094
1,1-Dichloroethane		0.00094	U	0.00019	0.00094
1,1-Dichloroethene		0.00094	U	0.00021	0.00094
1,2,3-Trichlorobenzene		0.00094	U	0.00017	0.00094
1,2,4-Trichlorobenzene		0.00094	U	0.000086	0.00094
1,2-Dibromo-3-Chloropropane		0.00094	U	0.00043	0.00094
1,2-Dichlorobenzene		0.00094	U	0.00014	0.00094
1,2-Dichloroethane		0.00094	U	0.00028	0.00094
1,2-Dichloropropane		0.00094	U	0.00040	0.00094
1,3-Dichlorobenzene		0.00094	U	0.00015	0.00094
1,4-Dichlorobenzene		0.00094	U	0.000094	0.00094
1,4-Dioxane		0.019	U	0.0086	0.019
2-Butanone (MEK)		0.0047	U	0.0010	0.0047
2-Hexanone		0.0047	U	0.00073	0.0047
4-Methyl-2-pentanone (MIBK)		0.0047	U	0.00062	0.0047
Acetone		0.0047	U	0.0036	0.0047
Acetonitrile		0.0094	U	0.0059	0.0094
Acrolein		0.094	U	0.026	0.094
Benzene		0.00094	U	0.00024	0.00094
Bromoform		0.00094	U	0.00040	0.00094
Bromomethane		0.00094	U	0.00045	0.00094
Carbon disulfide		0.00094	U	0.00025	0.00094
Carbon tetrachloride		0.00094	U	0.00017	0.00094
Chlorobenzene		0.00094	U	0.00017	0.00094
Chlorobromomethane		0.00094	U	0.00026	0.00094
Chlorodibromomethane		0.00094	U	0.00018	0.00094
Chloroethane		0.00094	U	0.00049	0.00094
Chloroform		0.00094	U	0.00030	0.00094
Chloromethane		0.00094	U	0.00041	0.00094
cis-1,2-Dichloroethene		0.00094	U	0.00014	0.00094
cis-1,3-Dichloropropene		0.00094	U	0.00026	0.00094
Cyclohexane		0.00094	U	0.00021	0.00094
Dichlorobromomethane		0.00094	U	0.00024	0.00094
Dichlorodifluoromethane		0.00094	U	0.00032	0.00094
Ethylbenzene		0.00094	U	0.00019	0.00094
Ethylene Dibromide		0.00094	U	0.00017	0.00094
Isopropylbenzene		0.00094	U	0.00012	0.00094
Methyl acetate		0.0047	U	0.0040	0.0047
Methyl tert-butyl ether		0.00094	U	0.00012	0.00094
Methylcyclohexane		0.00094	U	0.00015	0.00094
Methylene Chloride		0.00097	B	0.00015	0.00094
m-Xylene & p-Xylene		0.00094	U	0.00016	0.00094
o-Xylene		0.00094	U	0.000089	0.00094

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70889.D

Dilution: 1.0

Initial Weight/Volume: 6.29 g

Analysis Date: 07/22/2017 1831

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0649

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.00094	U	0.00012	0.00094
TBA		0.0094	U	0.0031	0.0094
Tetrachloroethene		0.00094	U	0.00013	0.00094
Toluene		0.00094	U	0.00059	0.00094
trans-1,2-Dichloroethene		0.00094	U	0.00023	0.00094
trans-1,3-Dichloropropene		0.00094	U	0.00025	0.00094
Trichloroethene		0.00094	U	0.00014	0.00094
Trichlorofluoromethane		0.00094	U	0.00038	0.00094
Vinyl chloride		0.00094	U	0.00051	0.00094

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		78 - 135
4-Bromofluorobenzene	94		67 - 126
Dibromofluoromethane (Surr)	106		61 - 149
Toluene-d8 (Surr)	109		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(2-4)

Lab Sample ID: 460-137545-4

Date Sampled: 07/20/2017 1210

Client Matrix: Solid

% Moisture: 21.6

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70890.D

Dilution: 1.0

Initial Weight/Volume: 5.57 g

Analysis Date: 07/22/2017 1855

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0650

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0011	U	0.00027	0.0011
1,1,2,2-Tetrachloroethane		0.0011	U	0.00025	0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0011	U	0.00034	0.0011
1,1,2-Trichloroethane		0.0011	U	0.00020	0.0011
1,1-Dichloroethane		0.0011	U	0.00024	0.0011
1,1-Dichloroethene		0.0011	U	0.00026	0.0011
1,2,3-Trichlorobenzene		0.0011	U	0.00021	0.0011
1,2,4-Trichlorobenzene		0.0011	U	0.00011	0.0011
1,2-Dibromo-3-Chloropropane		0.0011	U	0.00053	0.0011
1,2-Dichlorobenzene		0.0011	U	0.00016	0.0011
1,2-Dichloroethane		0.0011	U	0.00034	0.0011
1,2-Dichloropropane		0.0011	U	0.00048	0.0011
1,3-Dichlorobenzene		0.0011	U	0.00018	0.0011
1,4-Dichlorobenzene		0.0011	U	0.00011	0.0011
1,4-Dioxane		0.023	U	0.011	0.023
2-Butanone (MEK)		0.0027	J	0.0013	0.0057
2-Hexanone		0.0057	U	0.00089	0.0057
4-Methyl-2-pentanone (MIBK)		0.0057	U	0.00076	0.0057
Acetone		0.013		0.0043	0.0057
Acetonitrile		0.011	U	0.0071	0.011
Acrolein		0.11	U	0.032	0.11
Benzene		0.0011	U	0.00030	0.0011
Bromoform		0.0011	U	0.00049	0.0011
Bromomethane		0.0011	U	0.00054	0.0011
Carbon disulfide		0.0011	U	0.00030	0.0011
Carbon tetrachloride		0.0011	U	0.00021	0.0011
Chlorobenzene		0.0011	U	0.00020	0.0011
Chlorobromomethane		0.0011	U	0.00032	0.0011
Chlorodibromomethane		0.0011	U	0.00022	0.0011
Chloroethane		0.0011	U	0.00060	0.0011
Chloroform		0.0011	U	0.00037	0.0011
Chloromethane		0.0011	U	0.00050	0.0011
cis-1,2-Dichloroethene		0.0011	U	0.00017	0.0011
cis-1,3-Dichloropropene		0.0011	U	0.00031	0.0011
Cyclohexane		0.0011	U	0.00025	0.0011
Dichlorobromomethane		0.0011	U	0.00029	0.0011
Dichlorodifluoromethane		0.0011	U	0.00039	0.0011
Ethylbenzene		0.0011	U	0.00023	0.0011
Ethylene Dibromide		0.0011	U	0.00021	0.0011
Isopropylbenzene		0.0011	U	0.00014	0.0011
Methyl acetate		0.0057	U	0.0049	0.0057
Methyl tert-butyl ether		0.0011	U	0.00014	0.0011
Methylcyclohexane		0.0011	U	0.00018	0.0011
Methylene Chloride		0.00046	J B	0.00019	0.0011
m-Xylene & p-Xylene		0.0011	U	0.00020	0.0011
o-Xylene		0.0011	U	0.00011	0.0011

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(2-4)

Lab Sample ID: 460-137545-4

Date Sampled: 07/20/2017 1210

Client Matrix: Solid

% Moisture: 21.6

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70890.D

Dilution: 1.0

Initial Weight/Volume: 5.57 g

Analysis Date: 07/22/2017 1855

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0650

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0011	U	0.00014	0.0011
TBA		0.011	U	0.0038	0.011
Tetrachloroethene		0.0011	U	0.00016	0.0011
Toluene		0.0011	U	0.00072	0.0011
trans-1,2-Dichloroethene		0.0011	U	0.00028	0.0011
trans-1,3-Dichloropropene		0.0011	U	0.00030	0.0011
Trichloroethene		0.0011	U	0.00016	0.0011
Trichlorofluoromethane		0.0011	U	0.00046	0.0011
Vinyl chloride		0.0011	U	0.00063	0.0011

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		78 - 135
4-Bromofluorobenzene	100		67 - 126
Dibromofluoromethane (Surr)	107		61 - 149
Toluene-d8 (Surr)	113		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70891.D

Dilution: 1.0

Initial Weight/Volume: 4.83 g

Analysis Date: 07/22/2017 1918

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0651

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0011	U	0.00027	0.0011
1,1,2,2-Tetrachloroethane		0.0011	U	0.00024	0.0011
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0011	U	0.00034	0.0011
1,1,2-Trichloroethane		0.0011	U	0.00020	0.0011
1,1-Dichloroethane		0.0011	U	0.00023	0.0011
1,1-Dichloroethene		0.0011	U	0.00026	0.0011
1,2,3-Trichlorobenzene		0.0011	U	0.00021	0.0011
1,2,4-Trichlorobenzene		0.0011	U	0.00010	0.0011
1,2-Dibromo-3-Chloropropane		0.0011	U	0.00052	0.0011
1,2-Dichlorobenzene		0.0011	U	0.00016	0.0011
1,2-Dichloroethane		0.0011	U	0.00034	0.0011
1,2-Dichloropropane		0.0011	U	0.00048	0.0011
1,3-Dichlorobenzene		0.0011	U	0.00018	0.0011
1,4-Dichlorobenzene		0.0011	U	0.00011	0.0011
1,4-Dioxane		0.023	U	0.010	0.023
2-Butanone (MEK)		0.0057	U	0.0013	0.0057
2-Hexanone		0.0057	U	0.00089	0.0057
4-Methyl-2-pentanone (MIBK)		0.0057	U	0.00076	0.0057
Acetone		0.0057	U	0.0043	0.0057
Acetonitrile		0.011	U	0.0071	0.011
Acrolein		0.11	U	0.032	0.11
Benzene		0.0011	U	0.00029	0.0011
Bromoform		0.0011	U	0.00048	0.0011
Bromomethane		0.0011	U	0.00054	0.0011
Carbon disulfide		0.0011	U	0.00030	0.0011
Carbon tetrachloride		0.0011	U	0.00021	0.0011
Chlorobenzene		0.0011	U	0.00020	0.0011
Chlorobromomethane		0.0011	U	0.00032	0.0011
Chlorodibromomethane		0.0011	U	0.00022	0.0011
Chloroethane		0.0011	U	0.00059	0.0011
Chloroform		0.0011	U	0.00036	0.0011
Chloromethane		0.0011	U	0.00050	0.0011
cis-1,2-Dichloroethene		0.0011	U	0.00017	0.0011
cis-1,3-Dichloropropene		0.0011	U	0.00031	0.0011
Cyclohexane		0.0011	U	0.00025	0.0011
Dichlorobromomethane		0.0011	U	0.00029	0.0011
Dichlorodifluoromethane		0.0011	U	0.00038	0.0011
Ethylbenzene		0.0011	U	0.00023	0.0011
Ethylene Dibromide		0.0011	U	0.00020	0.0011
Isopropylbenzene		0.0011	U	0.00014	0.0011
Methyl acetate		0.0057	U	0.0049	0.0057
Methyl tert-butyl ether		0.0011	U	0.00014	0.0011
Methylcyclohexane		0.0011	U	0.00018	0.0011
Methylene Chloride		0.0013	B	0.00019	0.0011
m-Xylene & p-Xylene		0.0011	U	0.00020	0.0011
o-Xylene		0.0011	U	0.00011	0.0011

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70891.D

Dilution: 1.0

Initial Weight/Volume: 4.83 g

Analysis Date: 07/22/2017 1918

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0651

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0011	U	0.00014	0.0011
TBA		0.011	U	0.0038	0.011
Tetrachloroethene		0.0011	U	0.00016	0.0011
Toluene		0.0011	U	0.00071	0.0011
trans-1,2-Dichloroethene		0.0011	U	0.00028	0.0011
trans-1,3-Dichloropropene		0.0011	U	0.00030	0.0011
Trichloroethene		0.0011	U	0.00016	0.0011
Trichlorofluoromethane		0.0011	U	0.00046	0.0011
Vinyl chloride		0.0011	U	0.00062	0.0011

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	100		78 - 135
4-Bromofluorobenzene	96		67 - 126
Dibromofluoromethane (Surr)	106		61 - 149
Toluene-d8 (Surr)	109		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70892.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Analysis Date: 07/22/2017 1942

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0652

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0012	U	0.00027	0.0012
1,1,2,2-Tetrachloroethane		0.0012	U	0.00025	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0012	U	0.00035	0.0012
1,1,2-Trichloroethane		0.0012	U	0.00021	0.0012
1,1-Dichloroethane		0.0012	U	0.00024	0.0012
1,1-Dichloroethene		0.0012	U	0.00026	0.0012
1,2,3-Trichlorobenzene		0.0012	U	0.00021	0.0012
1,2,4-Trichlorobenzene		0.0012	U	0.00011	0.0012
1,2-Dibromo-3-Chloropropane		0.0012	U	0.00053	0.0012
1,2-Dichlorobenzene		0.0012	U	0.00017	0.0012
1,2-Dichloroethane		0.0012	U	0.00034	0.0012
1,2-Dichloropropane		0.0012	U	0.00049	0.0012
1,3-Dichlorobenzene		0.0012	U	0.00018	0.0012
1,4-Dichlorobenzene		0.0012	U	0.00012	0.0012
1,4-Dioxane		0.023	U	0.011	0.023
2-Butanone (MEK)		0.0058	U	0.0013	0.0058
2-Hexanone		0.0058	U	0.00090	0.0058
4-Methyl-2-pentanone (MIBK)		0.0058	U	0.00077	0.0058
Acetone		0.0058	U	0.0044	0.0058
Acetonitrile		0.012	U	0.0072	0.012
Acrolein		0.12	U	0.032	0.12
Benzene		0.0012	U	0.00030	0.0012
Bromoform		0.0012	U	0.00049	0.0012
Bromomethane		0.0012	U	0.00055	0.0012
Carbon disulfide		0.0012	U	0.00031	0.0012
Carbon tetrachloride		0.0012	U	0.00021	0.0012
Chlorobenzene		0.0012	U	0.00020	0.0012
Chlorobromomethane		0.0012	U	0.00032	0.0012
Chlorodibromomethane		0.0012	U	0.00022	0.0012
Chloroethane		0.0012	U	0.00060	0.0012
Chloroform		0.0012	U	0.00037	0.0012
Chloromethane		0.0012	U	0.00050	0.0012
cis-1,2-Dichloroethene		0.0012	U	0.00018	0.0012
cis-1,3-Dichloropropene		0.0012	U	0.00031	0.0012
Cyclohexane		0.0012	U	0.00025	0.0012
Dichlorobromomethane		0.0012	U	0.00030	0.0012
Dichlorodifluoromethane		0.0012	U	0.00039	0.0012
Ethylbenzene		0.0012	U	0.00023	0.0012
Ethylene Dibromide		0.0012	U	0.00021	0.0012
Isopropylbenzene		0.0012	U	0.00015	0.0012
Methyl acetate		0.0058	U	0.0050	0.0058
Methyl tert-butyl ether		0.0012	U	0.00014	0.0012
Methylcyclohexane		0.0012	U	0.00018	0.0012
Methylene Chloride		0.00064	J B	0.00019	0.0012
m-Xylene & p-Xylene		0.0012	U	0.00020	0.0012
o-Xylene		0.0012	U	0.00011	0.0012

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70892.D

Dilution: 1.0

Initial Weight/Volume: 5.04 g

Analysis Date: 07/22/2017 1942

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0652

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0012	U	0.00014	0.0012
TBA		0.012	U	0.0038	0.012
Tetrachloroethene		0.0012	U	0.00016	0.0012
Toluene		0.0012	U	0.00072	0.0012
trans-1,2-Dichloroethene		0.0012	U	0.00028	0.0012
trans-1,3-Dichloropropene		0.0012	U	0.00031	0.0012
Trichloroethene		0.0012	U	0.00017	0.0012
Trichlorofluoromethane		0.0012	U	0.00047	0.0012
Vinyl chloride		0.0012	U	0.00063	0.0012

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	91		78 - 135
4-Bromofluorobenzene	91		67 - 126
Dibromofluoromethane (Surr)	97		61 - 149
Toluene-d8 (Surr)	100		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70893.D

Dilution: 1.0

Initial Weight/Volume: 5.70 g

Analysis Date: 07/22/2017 2005

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0653

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0010	U	0.00024	0.0010
1,1,2,2-Tetrachloroethane		0.0010	U	0.00022	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0010	U	0.00031	0.0010
1,1,2-Trichloroethane		0.0010	U	0.00018	0.0010
1,1-Dichloroethane		0.0010	U	0.00021	0.0010
1,1-Dichloroethene		0.0010	U	0.00023	0.0010
1,2,3-Trichlorobenzene		0.0010	U	0.00018	0.0010
1,2,4-Trichlorobenzene		0.0010	U	0.000094	0.0010
1,2-Dibromo-3-Chloropropane		0.0010	U	0.00047	0.0010
1,2-Dichlorobenzene		0.0010	U	0.00015	0.0010
1,2-Dichloroethane		0.0010	U	0.00030	0.0010
1,2-Dichloropropane		0.0010	U	0.00043	0.0010
1,3-Dichlorobenzene		0.0010	U	0.00016	0.0010
1,4-Dichlorobenzene		0.0010	U	0.00010	0.0010
1,4-Dioxane		0.020	U	0.0094	0.020
2-Butanone (MEK)		0.0051	U	0.0011	0.0051
2-Hexanone		0.0051	U	0.00080	0.0051
4-Methyl-2-pentanone (MIBK)		0.0051	U	0.00068	0.0051
Acetone		0.0051	U	0.0039	0.0051
Acetonitrile		0.010	U	0.0064	0.010
Acrolein		0.10	U	0.029	0.10
Benzene		0.0010	U	0.00026	0.0010
Bromoform		0.0010	U	0.00043	0.0010
Bromomethane		0.0010	U	0.00048	0.0010
Carbon disulfide		0.0010	U	0.00027	0.0010
Carbon tetrachloride		0.0010	U	0.00018	0.0010
Chlorobenzene		0.0010	U	0.00018	0.0010
Chlorobromomethane		0.0010	U	0.00029	0.0010
Chlorodibromomethane		0.0010	U	0.00020	0.0010
Chloroethane		0.0010	U	0.00053	0.0010
Chloroform		0.0010	U	0.00033	0.0010
Chloromethane		0.0010	U	0.00044	0.0010
cis-1,2-Dichloroethene		0.0010	U	0.00015	0.0010
cis-1,3-Dichloropropene		0.0010	U	0.00028	0.0010
Cyclohexane		0.0010	U	0.00023	0.0010
Dichlorobromomethane		0.0010	U	0.00026	0.0010
Dichlorodifluoromethane		0.0010	U	0.00034	0.0010
Ethylbenzene		0.0010	U	0.00020	0.0010
Ethylene Dibromide		0.0010	U	0.00018	0.0010
Isopropylbenzene		0.0010	U	0.00013	0.0010
Methyl acetate		0.0051	U	0.0044	0.0051
Methyl tert-butyl ether		0.0010	U	0.00013	0.0010
Methylcyclohexane		0.0010	U	0.00016	0.0010
Methylene Chloride		0.0011	B	0.00017	0.0010
m-Xylene & p-Xylene		0.0010	U	0.00018	0.0010
o-Xylene		0.0010	U	0.000097	0.0010

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70893.D

Dilution: 1.0

Initial Weight/Volume: 5.70 g

Analysis Date: 07/22/2017 2005

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0653

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0010	U	0.00013	0.0010
TBA		0.010	U	0.0034	0.010
Tetrachloroethene		0.0010	U	0.00015	0.0010
Toluene		0.0010	U	0.00064	0.0010
trans-1,2-Dichloroethene		0.0010	U	0.00025	0.0010
trans-1,3-Dichloropropene		0.0010	U	0.00027	0.0010
Trichloroethene		0.0010	U	0.00015	0.0010
Trichlorofluoromethane		0.0010	U	0.00041	0.0010
Vinyl chloride		0.0010	U	0.00056	0.0010

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97		78 - 135
4-Bromofluorobenzene	97		67 - 126
Dibromofluoromethane (Surr)	105		61 - 149
Toluene-d8 (Surr)	107		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Date Sampled: 07/20/2017 1045

Client Matrix: Solid

% Moisture: 8.5

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70894.D

Dilution: 1.0

Initial Weight/Volume: 4.60 g

Analysis Date: 07/22/2017 2028

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0654

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,1,1-Trichloroethane		0.0012	U	0.00028	0.0012
1,1,2,2-Tetrachloroethane		0.0012	U	0.00025	0.0012
1,1,2-Trichloro-1,2,2-trifluoroethane		0.0012	U	0.00036	0.0012
1,1,2-Trichloroethane		0.0012	U	0.00021	0.0012
1,1-Dichloroethane		0.0012	U	0.00024	0.0012
1,1-Dichloroethene		0.0012	U	0.00027	0.0012
1,2,3-Trichlorobenzene		0.0012	U	0.00022	0.0012
1,2,4-Trichlorobenzene		0.0012	U	0.00011	0.0012
1,2-Dibromo-3-Chloropropane		0.0012	U	0.00055	0.0012
1,2-Dichlorobenzene		0.0012	U	0.00017	0.0012
1,2-Dichloroethane		0.0012	U	0.00035	0.0012
1,2-Dichloropropane		0.0012	U	0.00050	0.0012
1,3-Dichlorobenzene		0.0012	U	0.00019	0.0012
1,4-Dichlorobenzene		0.0012	U	0.00012	0.0012
1,4-Dioxane		0.024	U	0.011	0.024
2-Butanone (MEK)		0.0059	U	0.0013	0.0059
2-Hexanone		0.0059	U	0.00093	0.0059
4-Methyl-2-pentanone (MIBK)		0.0059	U	0.00079	0.0059
Acetone		0.0059	U	0.0045	0.0059
Acetonitrile		0.012	U	0.0074	0.012
Acrolein		0.12	U	0.033	0.12
Benzene		0.0012	U	0.00031	0.0012
Bromoform		0.0012	U	0.00051	0.0012
Bromomethane		0.0012	U	0.00056	0.0012
Carbon disulfide		0.0012	U	0.00032	0.0012
Carbon tetrachloride		0.0012	U	0.00022	0.0012
Chlorobenzene		0.0012	U	0.00021	0.0012
Chlorobromomethane		0.0012	U	0.00033	0.0012
Chlorodibromomethane		0.0012	U	0.00023	0.0012
Chloroethane		0.0012	U	0.00062	0.0012
Chloroform		0.0012	U	0.00038	0.0012
Chloromethane		0.0012	U	0.00052	0.0012
cis-1,2-Dichloroethene		0.0012	U	0.00018	0.0012
cis-1,3-Dichloropropene		0.0012	U	0.00032	0.0012
Cyclohexane		0.0012	U	0.00026	0.0012
Dichlorobromomethane		0.0012	U	0.00031	0.0012
Dichlorodifluoromethane		0.0012	U	0.00040	0.0012
Ethylbenzene		0.0012	U	0.00024	0.0012
Ethylene Dibromide		0.0012	U	0.00021	0.0012
Isopropylbenzene		0.0012	U	0.00015	0.0012
Methyl acetate		0.0059	U	0.0051	0.0059
Methyl tert-butyl ether		0.0012	U	0.00015	0.0012
Methylcyclohexane		0.0012	U	0.00019	0.0012
Methylene Chloride		0.00057	J B	0.00019	0.0012
m-Xylene & p-Xylene		0.0012	U	0.00021	0.0012
o-Xylene		0.0012	U	0.00011	0.0012

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Client Matrix: Solid

% Moisture: 8.5

Date Sampled: 07/20/2017 1045

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451216

Instrument ID: CVOAMS9

Prep Method: 5035

Prep Batch: 460-450930

Lab File ID: K70894.D

Dilution: 1.0

Initial Weight/Volume: 4.60 g

Analysis Date: 07/22/2017 2028

Final Weight/Volume: 5 mL

Prep Date: 07/21/2017 0654

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Styrene		0.0012	U	0.00015	0.0012
TBA		0.012	U	0.0039	0.012
Tetrachloroethene		0.00089	J	0.00017	0.0012
Toluene		0.0012	U	0.00074	0.0012
trans-1,2-Dichloroethene		0.0012	U	0.00029	0.0012
trans-1,3-Dichloropropene		0.0012	U	0.00032	0.0012
Trichloroethene		0.0012	U	0.00017	0.0012
Trichlorofluoromethane		0.0012	U	0.00048	0.0012
Vinyl chloride		0.0012	U	0.00065	0.0012

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	96		78 - 135
4-Bromofluorobenzene	96		67 - 126
Dibromofluoromethane (Surr)	105		61 - 149
Toluene-d8 (Surr)	108		73 - 121

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-2

Lab Sample ID: 460-137545-9

Date Sampled: 07/20/2017 1330

Client Matrix: Water

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451328

Instrument ID: CVOAMS2

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: B18290.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/24/2017 0106

Final Weight/Volume: 5 mL

Prep Date: 07/24/2017 0106

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U *	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U *	0.22	1.0
cis-1,2-Dichloroethene	16		0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	0.20	J	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	3.5		0.12	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-2

Lab Sample ID: 460-137545-9

Client Matrix: Water

Date Sampled: 07/20/2017 1330

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-451328	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B18290.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2017 0106			Final Weight/Volume:	5 mL
Prep Date:	07/24/2017 0106				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.40	J	0.25	1.0
trans-1,2-Dichloroethene	0.21	J	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.2		0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	111		74 - 132
4-Bromofluorobenzene	99		77 - 124
Dibromofluoromethane (Surr)	93		72 - 131
Toluene-d8 (Surr)	91		80 - 120

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-3

Lab Sample ID: 460-137545-10

Date Sampled: 07/20/2017 1355

Client Matrix: Water

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451328

Instrument ID: CVOAMS2

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: B18291.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/24/2017 0129

Final Weight/Volume: 5 mL

Prep Date: 07/24/2017 0129

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U *	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	23		1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U *	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-3

Lab Sample ID: 460-137545-10

Client Matrix: Water

Date Sampled: 07/20/2017 1355

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-451328	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B18291.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2017 0129			Final Weight/Volume:	5 mL
Prep Date:	07/24/2017 0129				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	0.62	J	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	107		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	98		72 - 131
Toluene-d8 (Surr)	92		80 - 120

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-5

Lab Sample ID: 460-137545-11

Date Sampled: 07/20/2017 1520

Client Matrix: Water

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451562

Instrument ID: CVOAMS2

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: B18337.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/25/2017 0050

Final Weight/Volume: 5 mL

Prep Date: 07/25/2017 0050

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U *	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	6.4		1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U *	0.22	1.0
cis-1,2-Dichloroethene	9.8		0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	4.3		0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	100		0.12	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-5

Lab Sample ID: 460-137545-11

Client Matrix: Water

Date Sampled: 07/20/2017 1520

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-451562	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B18337.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/25/2017 0050			Final Weight/Volume:	5 mL
Prep Date:	07/25/2017 0050				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	0.61	J	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	16		0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	103		74 - 132
4-Bromofluorobenzene	104		77 - 124
Dibromofluoromethane (Surr)	95		72 - 131
Toluene-d8 (Surr)	92		80 - 120

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-1

Lab Sample ID: 460-137545-12

Date Sampled: 07/20/2017 1130

Client Matrix: Water

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451562

Instrument ID: CVOAMS2

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: B18336.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/25/2017 0026

Final Weight/Volume: 5 mL

Prep Date: 07/25/2017 0026

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U *	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U *	0.22	1.0
cis-1,2-Dichloroethene	27		0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.1		0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	65		0.12	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-1

Lab Sample ID: 460-137545-12

Client Matrix: Water

Date Sampled: 07/20/2017 1130

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-451562	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B18336.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/25/2017 0026			Final Weight/Volume:	5 mL
Prep Date:	07/25/2017 0026				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	0.26	J	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	4.3		0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.6		0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	101		74 - 132
4-Bromofluorobenzene	101		77 - 124
Dibromofluoromethane (Surr)	94		72 - 131
Toluene-d8 (Surr)	91		80 - 120

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TB

Lab Sample ID: 460-137545-13TB

Date Sampled: 07/20/2017 0000

Client Matrix: Water

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method: 8260C

Analysis Batch: 460-451328

Instrument ID: CVOAMS2

Prep Method: 5030C

Prep Batch: N/A

Lab File ID: B18288.D

Dilution: 1.0

Initial Weight/Volume: 5 mL

Analysis Date: 07/24/2017 0019

Final Weight/Volume: 5 mL

Prep Date: 07/24/2017 0019

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U *	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.4		1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U *	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0
Tetrachloroethene	1.0	U	0.12	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TB

Lab Sample ID: 460-137545-13TB

Client Matrix: Water

Date Sampled: 07/20/2017 0000

Date Received: 07/20/2017 2000

8260C Volatile Organic Compounds by GC/MS

Analysis Method:	8260C	Analysis Batch:	460-451328	Instrument ID:	CVOAMS2
Prep Method:	5030C	Prep Batch:	N/A	Lab File ID:	B18288.D
Dilution:	1.0			Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2017 0019			Final Weight/Volume:	5 mL
Prep Date:	07/24/2017 0019				

Analyte	Result (ug/L)	Qualifier	MDL	RL
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	%Rec	Qualifier	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	110		74 - 132
4-Bromofluorobenzene	102		77 - 124
Dibromofluoromethane (Surr)	97		72 - 131
Toluene-d8 (Surr)	94		80 - 120

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46279.D

Dilution: 1.0

Initial Weight/Volume: 15.0411 g

Analysis Date: 07/23/2017 1139

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.045	U	0.0099	0.045
1,2-Dichlorobenzene		0.45	U	0.015	0.45
1,3-Dichlorobenzene		0.45	U	0.035	0.45
1,4-Dichlorobenzene		0.45	U	0.035	0.45
2,2'-oxybis[1-chloropropane]		0.45	U	0.018	0.45
2,4-Dinitrotoluene		0.091	U	0.018	0.091
2,6-Dinitrotoluene		0.091	U	0.024	0.091
2-Chloronaphthalene		0.45	U	0.010	0.45
2-Methylnaphthalene		0.45	U	0.0099	0.45
2-Nitroaniline		0.45	U	0.015	0.45
3,3'-Dichlorobenzidine		0.18	U	0.050	0.18
3-Nitroaniline		0.45	U	0.013	0.45
4-Bromophenyl phenyl ether		0.45	U	0.014	0.45
4-Chloroaniline		0.45	U	0.012	0.45
4-Chlorophenyl phenyl ether		0.45	U	0.013	0.45
4-Nitroaniline		0.45	U	0.017	0.45
Acenaphthene		0.45	U	0.011	0.45
Acenaphthylene		0.45	U	0.012	0.45
Anthracene		0.45	U	0.043	0.45
Benzo[a]anthracene		0.045	U	0.037	0.045
Benzo[a]pyrene		0.045	U	0.014	0.045
Benzo[b]fluoranthene		0.045	U	0.017	0.045
Benzo[g,h,i]perylene		0.45	U	0.026	0.45
Benzo[k]fluoranthene		0.045	U	0.020	0.045
Bis(2-chloroethoxy)methane		0.45	U	0.014	0.45
Bis(2-chloroethyl)ether		0.045	U	0.011	0.045
Bis(2-ethylhexyl) phthalate		0.45	U	0.017	0.45
Butyl benzyl phthalate		0.45	U	0.014	0.45
Carbazole		0.45	U	0.011	0.45
Chrysene		0.45	U	0.012	0.45
Dibenz(a,h)anthracene		0.045	U	0.023	0.045
Dibenzofuran		0.45	U	0.014	0.45
Diethyl phthalate		0.45	U	0.013	0.45
Dimethyl phthalate		0.45	U	0.013	0.45
Di-n-butyl phthalate		0.45	U	0.013	0.45
Di-n-octyl phthalate		0.45	U	0.023	0.45
Fluoranthene		0.45	U	0.013	0.45
Fluorene		0.45	U	0.0098	0.45
Hexachlorobenzene		0.045	U	0.018	0.045
Hexachlorobutadiene		0.091	U	0.013	0.091
Hexachlorocyclopentadiene		0.45	U	0.028	0.45
Hexachloroethane		0.045	U	0.016	0.045
Indeno[1,2,3-cd]pyrene		0.045	U *	0.030	0.045
Isophorone		0.18	U	0.0096	0.18
Naphthalene		0.45	U	0.011	0.45
Nitrobenzene		0.045	U	0.014	0.045

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46279.D

Dilution: 1.0

Initial Weight/Volume: 15.0411 g

Analysis Date: 07/23/2017 1139

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.045	U	0.015	0.045
N-Nitrosodiphenylamine		0.45	U	0.041	0.45
Phenanthrene		0.45	U	0.012	0.45
Pyrene		0.45	U	0.020	0.45
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		82		38 - 95	
Nitrobenzene-d5 (Surr)		77		37 - 94	
Terphenyl-d14 (Surr)		84		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46282.D

Dilution: 1.0

Initial Weight/Volume: 15.0409 g

Analysis Date: 07/23/2017 1249

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.045	U	0.0099	0.045
1,2-Dichlorobenzene		0.45	U	0.015	0.45
1,3-Dichlorobenzene		0.45	U	0.035	0.45
1,4-Dichlorobenzene		0.45	U	0.035	0.45
2,2'-oxybis[1-chloropropane]		0.45	U	0.019	0.45
2,4-Dinitrotoluene		0.091	U	0.018	0.091
2,6-Dinitrotoluene		0.091	U	0.024	0.091
2-Chloronaphthalene		0.45	U	0.010	0.45
2-Methylnaphthalene		0.45	U	0.0099	0.45
2-Nitroaniline		0.45	U	0.015	0.45
3,3'-Dichlorobenzidine		0.18	U	0.050	0.18
3-Nitroaniline		0.45	U	0.013	0.45
4-Bromophenyl phenyl ether		0.45	U	0.014	0.45
4-Chloroaniline		0.45	U	0.012	0.45
4-Chlorophenyl phenyl ether		0.45	U	0.013	0.45
4-Nitroaniline		0.45	U	0.017	0.45
Acenaphthene		0.45	U	0.011	0.45
Acenaphthylene		0.45	U	0.012	0.45
Anthracene		0.45	U	0.043	0.45
Benzo[a]anthracene		0.045	U	0.038	0.045
Benzo[a]pyrene		0.045	U	0.014	0.045
Benzo[b]fluoranthene		0.045	U	0.018	0.045
Benzo[g,h,i]perylene		0.45	U	0.026	0.45
Benzo[k]fluoranthene		0.045	U	0.020	0.045
Bis(2-chloroethoxy)methane		0.45	U	0.014	0.45
Bis(2-chloroethyl)ether		0.045	U	0.011	0.045
Bis(2-ethylhexyl) phthalate		0.45	U	0.018	0.45
Butyl benzyl phthalate		0.45	U	0.014	0.45
Carbazole		0.45	U	0.011	0.45
Chrysene		0.45	U	0.012	0.45
Dibenz(a,h)anthracene		0.045	U	0.023	0.045
Dibenzofuran		0.45	U	0.014	0.45
Diethyl phthalate		0.45	U	0.013	0.45
Dimethyl phthalate		0.45	U	0.013	0.45
Di-n-butyl phthalate		0.45	U	0.013	0.45
Di-n-octyl phthalate		0.45	U	0.023	0.45
Fluoranthene		0.45	U	0.013	0.45
Fluorene		0.45	U	0.0098	0.45
Hexachlorobenzene		0.045	U	0.018	0.045
Hexachlorobutadiene		0.091	U	0.013	0.091
Hexachlorocyclopentadiene		0.45	U	0.028	0.45
Hexachloroethane		0.045	U	0.016	0.045
Indeno[1,2,3-cd]pyrene		0.045	U *	0.030	0.045
Isophorone		0.18	U	0.0097	0.18
Naphthalene		0.45	U	0.011	0.45
Nitrobenzene		0.045	U	0.014	0.045

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46282.D

Dilution: 1.0

Initial Weight/Volume: 15.0409 g

Analysis Date: 07/23/2017 1249

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.045	U	0.015	0.045
N-Nitrosodiphenylamine		0.45	U	0.041	0.45
Phenanthrene		0.45	U	0.012	0.45
Pyrene		0.45	U	0.020	0.45
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		77		38 - 95	
Nitrobenzene-d5 (Surr)		72		37 - 94	
Terphenyl-d14 (Surr)		79		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46275.D

Dilution: 1.0

Initial Weight/Volume: 15.0377 g

Analysis Date: 07/23/2017 1005

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.039	U	0.0086	0.039
1,2-Dichlorobenzene		0.39	U	0.013	0.39
1,3-Dichlorobenzene		0.39	U	0.030	0.39
1,4-Dichlorobenzene		0.39	U	0.031	0.39
2,2'-oxybis[1-chloropropane]		0.39	U	0.016	0.39
2,4-Dinitrotoluene		0.079	U	0.015	0.079
2,6-Dinitrotoluene		0.079	U	0.021	0.079
2-Chloronaphthalene		0.39	U	0.0088	0.39
2-Methylnaphthalene		0.39	U	0.0086	0.39
2-Nitroaniline		0.39	U	0.013	0.39
3,3'-Dichlorobenzidine		0.16	U	0.043	0.16
3-Nitroaniline		0.39	U	0.012	0.39
4-Bromophenyl phenyl ether		0.39	U	0.012	0.39
4-Chloroaniline		0.39	U	0.010	0.39
4-Chlorophenyl phenyl ether		0.39	U	0.012	0.39
4-Nitroaniline		0.39	U	0.015	0.39
Acenaphthene		0.39	U	0.0094	0.39
Acenaphthylene		0.39	U	0.010	0.39
Anthracene		0.39	U	0.037	0.39
Benzo[a]anthracene		0.039	U	0.033	0.039
Benzo[a]pyrene		0.039	U	0.012	0.039
Benzo[b]fluoranthene		0.039	U	0.015	0.039
Benzo[g,h,i]perylene		0.39	U	0.022	0.39
Benzo[k]fluoranthene		0.039	U	0.017	0.039
Bis(2-chloroethoxy)methane		0.39	U	0.012	0.39
Bis(2-chloroethyl)ether		0.039	U	0.0092	0.039
Bis(2-ethylhexyl) phthalate		0.39	U	0.015	0.39
Butyl benzyl phthalate		0.39	U	0.012	0.39
Carbazole		0.39	U	0.0097	0.39
Chrysene		0.39	U	0.011	0.39
Dibenz(a,h)anthracene		0.039	U	0.020	0.039
Dibenzofuran		0.39	U	0.012	0.39
Diethyl phthalate		0.39	U	0.011	0.39
Dimethyl phthalate		0.39	U	0.011	0.39
Di-n-butyl phthalate		0.39	U	0.012	0.39
Di-n-octyl phthalate		0.39	U	0.020	0.39
Fluoranthene		0.39	U	0.012	0.39
Fluorene		0.39	U	0.0085	0.39
Hexachlorobenzene		0.039	U	0.016	0.039
Hexachlorobutadiene		0.079	U	0.011	0.079
Hexachlorocyclopentadiene		0.39	U	0.024	0.39
Hexachloroethane		0.039	U	0.014	0.039
Indeno[1,2,3-cd]pyrene		0.039	U *	0.026	0.039
Isophorone		0.16	U	0.0084	0.16
Naphthalene		0.39	U	0.0099	0.39
Nitrobenzene		0.039	U	0.012	0.039

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46275.D

Dilution: 1.0

Initial Weight/Volume: 15.0377 g

Analysis Date: 07/23/2017 1005

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.039	U	0.013	0.039
N-Nitrosodiphenylamine		0.39	U	0.035	0.39
Phenanthrene		0.39	U	0.010	0.39
Pyrene		0.39	U	0.018	0.39
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		79		38 - 95	
Nitrobenzene-d5 (Surr)		75		37 - 94	
Terphenyl-d14 (Surr)		82		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(2-4)

Lab Sample ID: 460-137545-4

Date Sampled: 07/20/2017 1210

Client Matrix: Solid

% Moisture: 21.6

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46276.D

Dilution: 1.0

Initial Weight/Volume: 15.0308 g

Analysis Date: 07/23/2017 1028

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.042	U	0.0093	0.042
1,2-Dichlorobenzene		0.42	U	0.014	0.42
1,3-Dichlorobenzene		0.42	U	0.033	0.42
1,4-Dichlorobenzene		0.42	U	0.033	0.42
2,2'-oxybis[1-chloropropane]		0.42	U	0.017	0.42
2,4-Dinitrotoluene		0.085	U	0.017	0.085
2,6-Dinitrotoluene		0.085	U	0.022	0.085
2-Chloronaphthalene		0.42	U	0.0095	0.42
2-Methylnaphthalene		0.42	U	0.0093	0.42
2-Nitroaniline		0.42	U	0.014	0.42
3,3'-Dichlorobenzidine		0.17	U	0.047	0.17
3-Nitroaniline		0.42	U	0.012	0.42
4-Bromophenyl phenyl ether		0.42	U	0.013	0.42
4-Chloroaniline		0.42	U	0.011	0.42
4-Chlorophenyl phenyl ether		0.42	U	0.013	0.42
4-Nitroaniline		0.42	U	0.016	0.42
Acenaphthene		0.42	U	0.010	0.42
Acenaphthylene		0.42	U	0.011	0.42
Anthracene		0.42	U	0.040	0.42
Benzo[a]anthracene		0.042	U	0.035	0.042
Benzo[a]pyrene		0.042	U	0.013	0.042
Benzo[b]fluoranthene		0.042	U	0.016	0.042
Benzo[g,h,i]perylene		0.42	U	0.024	0.42
Benzo[k]fluoranthene		0.042	U	0.018	0.042
Bis(2-chloroethoxy)methane		0.42	U	0.013	0.42
Bis(2-chloroethyl)ether		0.042	U	0.0099	0.042
Bis(2-ethylhexyl) phthalate		0.42	U	0.016	0.42
Butyl benzyl phthalate		0.42	U	0.013	0.42
Carbazole		0.42	U	0.010	0.42
Chrysene		0.42	U	0.011	0.42
Dibenz(a,h)anthracene		0.042	U	0.022	0.042
Dibenzofuran		0.42	U	0.013	0.42
Diethyl phthalate		0.42	U	0.012	0.42
Dimethyl phthalate		0.42	U	0.012	0.42
Di-n-butyl phthalate		0.42	U	0.013	0.42
Di-n-octyl phthalate		0.42	U	0.021	0.42
Fluoranthene		0.42	U	0.012	0.42
Fluorene		0.42	U	0.0092	0.42
Hexachlorobenzene		0.042	U	0.017	0.042
Hexachlorobutadiene		0.085	U	0.012	0.085
Hexachlorocyclopentadiene		0.42	U	0.026	0.42
Hexachloroethane		0.042	U	0.015	0.042
Indeno[1,2,3-cd]pyrene		0.042	U *	0.028	0.042
Isophorone		0.17	U	0.0090	0.17
Naphthalene		0.42	U	0.011	0.42
Nitrobenzene		0.042	U	0.013	0.042

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(2-4)

Lab Sample ID: 460-137545-4

Date Sampled: 07/20/2017 1210

Client Matrix: Solid

% Moisture: 21.6

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46276.D

Dilution: 1.0

Initial Weight/Volume: 15.0308 g

Analysis Date: 07/23/2017 1028

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.042	U	0.014	0.042
N-Nitrosodiphenylamine		0.42	U	0.038	0.42
Phenanthrene		0.42	U	0.011	0.42
Pyrene		0.42	U	0.019	0.42
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		85		38 - 95	
Nitrobenzene-d5 (Surr)		82		37 - 94	
Terphenyl-d14 (Surr)		84		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46284.D

Dilution: 1.0

Initial Weight/Volume: 15.0346 g

Analysis Date: 07/23/2017 1336

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.036	U	0.0080	0.036
1,2-Dichlorobenzene		0.36	U	0.012	0.36
1,3-Dichlorobenzene		0.36	U	0.028	0.36
1,4-Dichlorobenzene		0.36	U	0.028	0.36
2,2'-oxybis[1-chloropropane]		0.36	U	0.015	0.36
2,4-Dinitrotoluene		0.074	U	0.014	0.074
2,6-Dinitrotoluene		0.074	U	0.019	0.074
2-Chloronaphthalene		0.36	U	0.0082	0.36
2-Methylnaphthalene		0.36	U	0.0080	0.36
2-Nitroaniline		0.36	U	0.012	0.36
3,3'-Dichlorobenzidine		0.15	U	0.040	0.15
3-Nitroaniline		0.36	U	0.011	0.36
4-Bromophenyl phenyl ether		0.36	U	0.011	0.36
4-Chloroaniline		0.36	U	0.0093	0.36
4-Chlorophenyl phenyl ether		0.36	U	0.011	0.36
4-Nitroaniline		0.36	U	0.014	0.36
Acenaphthene		0.36	U	0.0088	0.36
Acenaphthylene		0.36	U	0.0093	0.36
Anthracene		0.043	J	0.034	0.36
Benzo[a]anthracene		0.18		0.030	0.036
Benzo[a]pyrene		0.19		0.011	0.036
Benzo[b]fluoranthene		0.26		0.014	0.036
Benzo[g,h,i]perylene		0.15	J	0.021	0.36
Benzo[k]fluoranthene		0.12		0.016	0.036
Bis(2-chloroethoxy)methane		0.36	U	0.011	0.36
Bis(2-chloroethyl)ether		0.036	U	0.0086	0.036
Bis(2-ethylhexyl) phthalate		0.36	U	0.014	0.36
Butyl benzyl phthalate		0.36	U	0.011	0.36
Carbazole		0.36	U	0.0090	0.36
Chrysene		0.20	J	0.0099	0.36
Dibenz(a,h)anthracene		0.036	U	0.019	0.036
Dibenzofuran		0.36	U	0.011	0.36
Diethyl phthalate		0.36	U	0.010	0.36
Dimethyl phthalate		0.36	U	0.011	0.36
Di-n-butyl phthalate		0.36	U	0.011	0.36
Di-n-octyl phthalate		0.36	U	0.018	0.36
Fluoranthene		0.36		0.011	0.36
Fluorene		0.36	U	0.0079	0.36
Hexachlorobenzene		0.036	U	0.015	0.036
Hexachlorobutadiene		0.074	U	0.010	0.074
Hexachlorocyclopentadiene		0.36	U	0.023	0.36
Hexachloroethane		0.036	U	0.013	0.036
Indeno[1,2,3-cd]pyrene		0.14	*	0.024	0.036
Isophorone		0.15	U	0.0078	0.15
Naphthalene		0.36	U	0.0092	0.36
Nitrobenzene		0.036	U	0.011	0.036

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46284.D

Dilution: 1.0

Initial Weight/Volume: 15.0346 g

Analysis Date: 07/23/2017 1336

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.036	U	0.012	0.036
N-Nitrosodiphenylamine		0.36	U	0.033	0.36
Phenanthrene		0.20	J	0.0097	0.36
Pyrene		0.33	J	0.016	0.36

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	77		38 - 95
Nitrobenzene-d5 (Surr)	72		37 - 94
Terphenyl-d14 (Surr)	76		24 - 109

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46277.D

Dilution: 1.0

Initial Weight/Volume: 15.0413 g

Analysis Date: 07/23/2017 1052

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.038	U	0.0085	0.038
1,2-Dichlorobenzene		0.38	U	0.013	0.38
1,3-Dichlorobenzene		0.38	U	0.030	0.38
1,4-Dichlorobenzene		0.38	U	0.030	0.38
2,2'-oxybis[1-chloropropane]		0.38	U	0.016	0.38
2,4-Dinitrotoluene		0.078	U	0.015	0.078
2,6-Dinitrotoluene		0.078	U	0.020	0.078
2-Chloronaphthalene		0.38	U	0.0087	0.38
2-Methylnaphthalene		0.38	U	0.0085	0.38
2-Nitroaniline		0.38	U	0.013	0.38
3,3'-Dichlorobenzidine		0.15	U	0.043	0.15
3-Nitroaniline		0.38	U	0.011	0.38
4-Bromophenyl phenyl ether		0.38	U	0.012	0.38
4-Chloroaniline		0.38	U	0.0099	0.38
4-Chlorophenyl phenyl ether		0.38	U	0.011	0.38
4-Nitroaniline		0.38	U	0.014	0.38
Acenaphthene		0.38	U	0.0093	0.38
Acenaphthylene		0.38	U	0.0099	0.38
Anthracene		0.38	U	0.036	0.38
Benzo[a]anthracene		0.038	U	0.032	0.038
Benzo[a]pyrene		0.038	U	0.012	0.038
Benzo[b]fluoranthene		0.038	U	0.015	0.038
Benzo[g,h,i]perylene		0.38	U	0.022	0.38
Benzo[k]fluoranthene		0.038	U	0.017	0.038
Bis(2-chloroethoxy)methane		0.38	U	0.012	0.38
Bis(2-chloroethyl)ether		0.038	U	0.0090	0.038
Bis(2-ethylhexyl) phthalate		0.38	U	0.015	0.38
Butyl benzyl phthalate		0.38	U	0.012	0.38
Carbazole		0.38	U	0.0095	0.38
Chrysene		0.38	U	0.010	0.38
Dibenz(a,h)anthracene		0.038	U	0.020	0.038
Dibenzofuran		0.38	U	0.012	0.38
Diethyl phthalate		0.38	U	0.011	0.38
Dimethyl phthalate		0.38	U	0.011	0.38
Di-n-butyl phthalate		0.38	U	0.011	0.38
Di-n-octyl phthalate		0.38	U	0.019	0.38
Fluoranthene		0.38	U	0.011	0.38
Fluorene		0.38	U	0.0083	0.38
Hexachlorobenzene		0.038	U	0.016	0.038
Hexachlorobutadiene		0.078	U	0.011	0.078
Hexachlorocyclopentadiene		0.38	U	0.024	0.38
Hexachloroethane		0.038	U	0.014	0.038
Indeno[1,2,3-cd]pyrene		0.038	U *	0.025	0.038
Isophorone		0.15	U	0.0082	0.15
Naphthalene		0.38	U	0.0097	0.38
Nitrobenzene		0.038	U	0.012	0.038

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46277.D

Dilution: 1.0

Initial Weight/Volume: 15.0413 g

Analysis Date: 07/23/2017 1052

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.038	U	0.013	0.038
N-Nitrosodiphenylamine		0.38	U	0.035	0.38
Phenanthrene		0.38	U	0.010	0.38
Pyrene		0.38	U	0.017	0.38
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		82		38 - 95	
Nitrobenzene-d5 (Surr)		75		37 - 94	
Terphenyl-d14 (Surr)		80		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46278.D

Dilution: 1.0

Initial Weight/Volume: 15.0497 g

Analysis Date: 07/23/2017 1115

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.038	U	0.0085	0.038
1,2-Dichlorobenzene		0.38	U	0.013	0.38
1,3-Dichlorobenzene		0.38	U	0.030	0.38
1,4-Dichlorobenzene		0.38	U	0.030	0.38
2,2'-oxybis[1-chloropropane]		0.38	U	0.016	0.38
2,4-Dinitrotoluene		0.078	U	0.015	0.078
2,6-Dinitrotoluene		0.078	U	0.020	0.078
2-Chloronaphthalene		0.38	U	0.0087	0.38
2-Methylnaphthalene		0.38	U	0.0085	0.38
2-Nitroaniline		0.38	U	0.013	0.38
3,3'-Dichlorobenzidine		0.15	U	0.043	0.15
3-Nitroaniline		0.38	U	0.011	0.38
4-Bromophenyl phenyl ether		0.38	U	0.012	0.38
4-Chloroaniline		0.38	U	0.0098	0.38
4-Chlorophenyl phenyl ether		0.38	U	0.011	0.38
4-Nitroaniline		0.38	U	0.014	0.38
Acenaphthene		0.38	U	0.0093	0.38
Acenaphthylene		0.38	U	0.0098	0.38
Anthracene		0.38	U	0.036	0.38
Benzo[a]anthracene		0.038	U	0.032	0.038
Benzo[a]pyrene		0.038	U	0.012	0.038
Benzo[b]fluoranthene		0.038	U	0.015	0.038
Benzo[g,h,i]perylene		0.38	U	0.022	0.38
Benzo[k]fluoranthene		0.038	U	0.017	0.038
Bis(2-chloroethoxy)methane		0.38	U	0.012	0.38
Bis(2-chloroethyl)ether		0.038	U	0.0090	0.038
Bis(2-ethylhexyl) phthalate		0.38	U	0.015	0.38
Butyl benzyl phthalate		0.38	U	0.012	0.38
Carbazole		0.38	U	0.0095	0.38
Chrysene		0.38	U	0.010	0.38
Dibenz(a,h)anthracene		0.038	U	0.020	0.038
Dibenzofuran		0.38	U	0.012	0.38
Diethyl phthalate		0.38	U	0.011	0.38
Dimethyl phthalate		0.38	U	0.011	0.38
Di-n-butyl phthalate		0.38	U	0.011	0.38
Di-n-octyl phthalate		0.38	U	0.019	0.38
Fluoranthene		0.38	U	0.011	0.38
Fluorene		0.38	U	0.0083	0.38
Hexachlorobenzene		0.038	U	0.016	0.038
Hexachlorobutadiene		0.078	U	0.011	0.078
Hexachlorocyclopentadiene		0.38	U	0.024	0.38
Hexachloroethane		0.038	U	0.014	0.038
Indeno[1,2,3-cd]pyrene		0.038	U *	0.025	0.038
Isophorone		0.15	U	0.0082	0.15
Naphthalene		0.38	U	0.0097	0.38
Nitrobenzene		0.038	U	0.012	0.038

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46278.D

Dilution: 1.0

Initial Weight/Volume: 15.0497 g

Analysis Date: 07/23/2017 1115

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.038	U	0.013	0.038
N-Nitrosodiphenylamine		0.38	U	0.035	0.38
Phenanthrene		0.38	U	0.010	0.38
Pyrene		0.38	U	0.017	0.38
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		80		38 - 95	
Nitrobenzene-d5 (Surr)		80		37 - 94	
Terphenyl-d14 (Surr)		85		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Date Sampled: 07/20/2017 1045

Client Matrix: Solid

% Moisture: 8.5

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46285.D

Dilution: 1.0

Initial Weight/Volume: 15.0237 g

Analysis Date: 07/23/2017 1359

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene		0.036	U	0.0080	0.036
1,2-Dichlorobenzene		0.36	U	0.012	0.36
1,3-Dichlorobenzene		0.36	U	0.028	0.36
1,4-Dichlorobenzene		0.36	U	0.028	0.36
2,2'-oxybis[1-chloropropane]		0.36	U	0.015	0.36
2,4-Dinitrotoluene		0.073	U	0.014	0.073
2,6-Dinitrotoluene		0.073	U	0.019	0.073
2-Chloronaphthalene		0.36	U	0.0082	0.36
2-Methylnaphthalene		0.36	U	0.0080	0.36
2-Nitroaniline		0.36	U	0.012	0.36
3,3'-Dichlorobenzidine		0.15	U	0.040	0.15
3-Nitroaniline		0.36	U	0.011	0.36
4-Bromophenyl phenyl ether		0.36	U	0.011	0.36
4-Chloroaniline		0.36	U	0.0093	0.36
4-Chlorophenyl phenyl ether		0.36	U	0.011	0.36
4-Nitroaniline		0.36	U	0.014	0.36
Acenaphthene		0.36	U	0.0087	0.36
Acenaphthylene		0.36	U	0.0093	0.36
Anthracene		0.36	U	0.034	0.36
Benzo[a]anthracene		0.096		0.030	0.036
Benzo[a]pyrene		0.10		0.011	0.036
Benzo[b]fluoranthene		0.16		0.014	0.036
Benzo[g,h,i]perylene		0.076	J	0.021	0.36
Benzo[k]fluoranthene		0.054		0.016	0.036
Bis(2-chloroethoxy)methane		0.36	U	0.011	0.36
Bis(2-chloroethyl)ether		0.036	U	0.0085	0.036
Bis(2-ethylhexyl) phthalate		0.36	U	0.014	0.36
Butyl benzyl phthalate		0.36	U	0.011	0.36
Carbazole		0.36	U	0.0090	0.36
Chrysene		0.12	J	0.0098	0.36
Dibenz(a,h)anthracene		0.036	U	0.019	0.036
Dibenzofuran		0.36	U	0.011	0.36
Diethyl phthalate		0.36	U	0.010	0.36
Dimethyl phthalate		0.36	U	0.010	0.36
Di-n-butyl phthalate		0.36	U	0.011	0.36
Di-n-octyl phthalate		0.36	U	0.018	0.36
Fluoranthene		0.20	J	0.011	0.36
Fluorene		0.36	U	0.0079	0.36
Hexachlorobenzene		0.036	U	0.015	0.036
Hexachlorobutadiene		0.073	U	0.010	0.073
Hexachlorocyclopentadiene		0.36	U	0.022	0.36
Hexachloroethane		0.036	U	0.013	0.036
Indeno[1,2,3-cd]pyrene		0.051	*	0.024	0.036
Isophorone		0.15	U	0.0078	0.15
Naphthalene		0.36	U	0.0092	0.36
Nitrobenzene		0.036	U	0.011	0.036

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Date Sampled: 07/20/2017 1045

Client Matrix: Solid

% Moisture: 8.5

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451178

Instrument ID: CBNAMS11

Prep Method: 3546

Prep Batch: 460-451150

Lab File ID: z46285.D

Dilution: 1.0

Initial Weight/Volume: 15.0237 g

Analysis Date: 07/23/2017 1359

Final Weight/Volume: 1 mL

Prep Date: 07/21/2017 2312

Injection Volume: 1 uL

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine		0.036	U	0.012	0.036
N-Nitrosodiphenylamine		0.36	U	0.033	0.36
Phenanthrene		0.087	J	0.0096	0.36
Pyrene		0.22	J	0.016	0.36
Surrogate		%Rec	Qualifier	Acceptance Limits	
2-Fluorobiphenyl		60		38 - 95	
Nitrobenzene-d5 (Surr)		57		37 - 94	
Terphenyl-d14 (Surr)		59		24 - 109	

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-2

Lab Sample ID: 460-137545-9

Date Sampled: 07/20/2017 1330

Client Matrix: Water

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451285

Instrument ID: CBNAMS14

Prep Method: 3510C

Prep Batch: 460-450949

Lab File ID: N1210205.D

Dilution: 1.0

Initial Weight/Volume: 250 mL

Analysis Date: 07/23/2017 1421

Final Weight/Volume: 2 mL

Prep Date: 07/21/2017 0751

Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	1.0	U	0.61	1.0
1,2-Dichlorobenzene	10	U	0.83	10
1,3-Dichlorobenzene	10	U	1.1	10
1,4-Dichlorobenzene	10	U	0.66	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Methylnaphthalene	10	U	0.88	10
2-Nitroaniline	10	U	0.65	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Nitroaniline	10	U	0.48	10
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Anthracene	10	U	0.57	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-2

Lab Sample ID: 460-137545-9

Client Matrix: Water

Date Sampled: 07/20/2017 1330

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-451285	Instrument ID:	CBNAMS14
Prep Method:	3510C	Prep Batch:	460-450949	Lab File ID:	N1210205.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	07/23/2017 1421			Final Weight/Volume:	2 mL
Prep Date:	07/21/2017 0751			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Phenanthrene	10	U	0.65	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	102		45 - 107
Nitrobenzene-d5 (Surr)	108		51 - 108
Terphenyl-d14 (Surr)	104		40 - 148

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-3

Lab Sample ID: 460-137545-10

Date Sampled: 07/20/2017 1355

Client Matrix: Water

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451285

Instrument ID: CBNAMS14

Prep Method: 3510C

Prep Batch: 460-450949

Lab File ID: N1210206.D

Dilution: 1.0

Initial Weight/Volume: 250 mL

Analysis Date: 07/23/2017 1441

Final Weight/Volume: 2 mL

Prep Date: 07/21/2017 0751

Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	1.0	U	0.61	1.0
1,2-Dichlorobenzene	10	U	0.83	10
1,3-Dichlorobenzene	10	U	1.1	10
1,4-Dichlorobenzene	10	U	0.66	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Methylnaphthalene	10	U	0.88	10
2-Nitroaniline	10	U	0.65	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Nitroaniline	10	U	0.48	10
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Anthracene	10	U	0.57	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-3

Lab Sample ID: 460-137545-10

Client Matrix: Water

Date Sampled: 07/20/2017 1355

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-451285	Instrument ID:	CBNAMS14
Prep Method:	3510C	Prep Batch:	460-450949	Lab File ID:	N1210206.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	07/23/2017 1441			Final Weight/Volume:	2 mL
Prep Date:	07/21/2017 0751			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Phenanthrene	10	U	0.65	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	95		45 - 107
Nitrobenzene-d5 (Surr)	100		51 - 108
Terphenyl-d14 (Surr)	96		40 - 148

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-5

Lab Sample ID: 460-137545-11

Date Sampled: 07/20/2017 1520

Client Matrix: Water

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451285

Instrument ID: CBNAMS14

Prep Method: 3510C

Prep Batch: 460-450949

Lab File ID: N1210207.D

Dilution: 1.0

Initial Weight/Volume: 250 mL

Analysis Date: 07/23/2017 1501

Final Weight/Volume: 2 mL

Prep Date: 07/21/2017 0751

Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	1.0	U	0.61	1.0
1,2-Dichlorobenzene	10	U	0.83	10
1,3-Dichlorobenzene	10	U	1.1	10
1,4-Dichlorobenzene	10	U	0.66	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Methylnaphthalene	10	U	0.88	10
2-Nitroaniline	10	U	0.65	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Nitroaniline	10	U	0.48	10
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Anthracene	10	U	0.57	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-5

Lab Sample ID: 460-137545-11

Client Matrix: Water

Date Sampled: 07/20/2017 1520

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method:	8270D	Analysis Batch:	460-451285	Instrument ID:	CBNAMS14
Prep Method:	3510C	Prep Batch:	460-450949	Lab File ID:	N1210207.D
Dilution:	1.0			Initial Weight/Volume:	250 mL
Analysis Date:	07/23/2017 1501			Final Weight/Volume:	2 mL
Prep Date:	07/21/2017 0751			Injection Volume:	5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Phenanthrene	10	U	0.65	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	106		45 - 107
Nitrobenzene-d5 (Surr)	111	*	51 - 108
Terphenyl-d14 (Surr)	106		40 - 148

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-1

Lab Sample ID: 460-137545-12

Date Sampled: 07/20/2017 1130

Client Matrix: Water

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451285

Instrument ID: CBNAMS14

Prep Method: 3510C

Prep Batch: 460-450949

Lab File ID: N1210208.D

Dilution: 1.0

Initial Weight/Volume: 250 mL

Analysis Date: 07/23/2017 1521

Final Weight/Volume: 2 mL

Prep Date: 07/21/2017 0751

Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
1,2,4-Trichlorobenzene	1.0	U	0.61	1.0
1,2-Dichlorobenzene	10	U	0.83	10
1,3-Dichlorobenzene	10	U	1.1	10
1,4-Dichlorobenzene	10	U	0.66	10
2,2'-oxybis[1-chloropropane]	10	U	0.93	10
2,4-Dinitrotoluene	2.0	U	1.0	2.0
2,6-Dinitrotoluene	2.0	U	0.88	2.0
2-Chloronaphthalene	10	U	0.61	10
2-Methylnaphthalene	10	U	0.88	10
2-Nitroaniline	10	U	0.65	10
3,3'-Dichlorobenzidine	10	U	1.0	10
3-Nitroaniline	10	U	0.82	10
4-Bromophenyl phenyl ether	10	U	1.0	10
4-Chloroaniline	10	U	0.73	10
4-Chlorophenyl phenyl ether	10	U	0.96	10
4-Nitroaniline	10	U	0.48	10
Acenaphthene	10	U	0.88	10
Acenaphthylene	10	U	0.65	10
Anthracene	10	U	0.57	10
Benzo[a]anthracene	1.0	U	0.55	1.0
Benzo[a]pyrene	1.0	U	0.16	1.0
Benzo[b]fluoranthene	1.0	U	0.44	1.0
Benzo[g,h,i]perylene	10	U	0.75	10
Benzo[k]fluoranthene	1.0	U	0.18	1.0
Bis(2-chloroethoxy)methane	10	U	0.69	10
Bis(2-chloroethyl)ether	1.0	U	0.12	1.0
Bis(2-ethylhexyl) phthalate	2.0	U	0.72	2.0
Butyl benzyl phthalate	10	U	0.60	10
Carbazole	10	U	0.85	10
Chrysene	2.0	U	0.67	2.0
Dibenz(a,h)anthracene	1.0	U	0.090	1.0
Dibenzofuran	10	U	0.85	10
Diethyl phthalate	10	U	1.0	10
Dimethyl phthalate	10	U	0.98	10
Di-n-butyl phthalate	10	U	0.82	10
Di-n-octyl phthalate	10	U	0.69	10
Fluoranthene	10	U	0.72	10
Fluorene	10	U	0.80	10
Hexachlorobenzene	1.0	U	0.47	1.0
Hexachlorobutadiene	1.0	U	0.76	1.0
Hexachlorocyclopentadiene	10	U	0.61	10
Hexachloroethane	1.0	U	0.090	1.0
Indeno[1,2,3-cd]pyrene	1.0	U	0.21	1.0
Isophorone	10	U	0.67	10
Naphthalene	10	U	0.80	10
Nitrobenzene	1.0	U	0.49	1.0

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: TW-1

Lab Sample ID: 460-137545-12

Client Matrix: Water

Date Sampled: 07/20/2017 1130

Date Received: 07/20/2017 2000

8270D Semivolatile Organic Compounds (GC/MS)

Analysis Method: 8270D

Analysis Batch: 460-451285

Instrument ID: CBNAMS14

Prep Method: 3510C

Prep Batch: 460-450949

Lab File ID: N1210208.D

Dilution: 1.0

Initial Weight/Volume: 250 mL

Analysis Date: 07/23/2017 1521

Final Weight/Volume: 2 mL

Prep Date: 07/21/2017 0751

Injection Volume: 5 uL

Analyte	Result (ug/L)	Qualifier	MDL	RL
N-Nitrosodi-n-propylamine	1.0	U	0.83	1.0
N-Nitrosodiphenylamine	10	U	0.74	10
Phenanthrene	10	U	0.65	10
Pyrene	10	U	0.83	10

Surrogate	%Rec	Qualifier	Acceptance Limits
2-Fluorobiphenyl	104		45 - 107
Nitrobenzene-d5 (Surr)	113	*	51 - 108
Terphenyl-d14 (Surr)	108		40 - 148

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0221 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1908

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.091	U	0.012	0.091
Aroclor 1221		0.091	U	0.012	0.091
Aroclor 1232		0.091	U	0.012	0.091
Aroclor 1242		0.091	U	0.012	0.091
Aroclor 1248		0.091	U	0.012	0.091
Aroclor 1254		0.091	U	0.012	0.091
Aroclor 1260		0.091	U	0.012	0.091
Aroclor-1262		0.091	U	0.012	0.091
Aroclor 1268		0.091	U	0.012	0.091
Polychlorinated biphenyls, Total		0.091	U	0.012	0.091

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	165	*	35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0221 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1908

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	126		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0010 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1926

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.091	U	0.012	0.091
Aroclor 1221		0.091	U	0.012	0.091
Aroclor 1232		0.091	U	0.012	0.091
Aroclor 1242		0.091	U	0.012	0.091
Aroclor 1248		0.091	U	0.012	0.091
Aroclor 1254		0.091	U	0.013	0.091
Aroclor 1260		0.091	U	0.013	0.091
Aroclor-1262		0.091	U	0.013	0.091
Aroclor 1268		0.091	U	0.013	0.091
Polychlorinated biphenyls, Total		0.091	U	0.013	0.091

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	133		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0010 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1926

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	117		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0147 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1943

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.079	U	0.011	0.079
Aroclor 1221		0.079	U	0.011	0.079
Aroclor 1232		0.079	U	0.011	0.079
Aroclor 1242		0.079	U	0.011	0.079
Aroclor 1248		0.079	U	0.011	0.079
Aroclor 1254		0.079	U	0.011	0.079
Aroclor 1260		0.079	U	0.011	0.079
Aroclor-1262		0.079	U	0.011	0.079
Aroclor 1268		0.079	U	0.011	0.079
Polychlorinated biphenyls, Total		0.079	U	0.011	0.079

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	149		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0147 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 1943

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0269 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 2001

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.074	U	0.0098	0.074
Aroclor 1221		0.074	U	0.0098	0.074
Aroclor 1232		0.074	U	0.0098	0.074
Aroclor 1242		0.074	U	0.0098	0.074
Aroclor 1248		0.074	U	0.0098	0.074
Aroclor 1254		0.074	U	0.010	0.074
Aroclor 1260		0.074	U	0.010	0.074
Aroclor-1262		0.074	U	0.010	0.074
Aroclor 1268		0.074	U	0.010	0.074
Polychlorinated biphenyls, Total		0.074	U	0.010	0.074

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	127		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0269 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 2001

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	122		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0551 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 2018

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: PRIMARY

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Aroclor 1016		0.078	U	0.010	0.078
Aroclor 1221		0.078	U	0.010	0.078
Aroclor 1232		0.078	U	0.010	0.078
Aroclor 1242		0.078	U	0.010	0.078
Aroclor 1248		0.078	U	0.010	0.078
Aroclor 1254		0.078	U	0.011	0.078
Aroclor 1260		0.078	U	0.011	0.078
Aroclor-1262		0.078	U	0.011	0.078
Aroclor 1268		0.078	U	0.011	0.078
Polychlorinated biphenyls, Total		0.078	U	0.011	0.078

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	139		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analysis Method: 8082A

Analysis Batch: 460-451711

Instrument ID: CPESTGC8

Prep Method: 3546

Prep Batch: 460-451523

Initial Weight/Volume: 15.0551 g

Dilution: 1.0

Final Weight/Volume: 10 mL

Analysis Date: 07/25/2017 2018

Injection Volume: 1 uL

Prep Date: 07/24/2017 1603

Result Type: SECONDARY

Surrogate	%Rec	Qualifier	Acceptance Limits
DCB Decachlorobiphenyl	118		35 - 150

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Date Sampled: 07/20/2017 1410

Client Matrix: Solid

% Moisture: 26.4

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 07/21/2017 2052

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.6	U	0.40	2.6
Aluminum		16900		10.8	52.8
Arsenic		2.9	J	0.98	4.0
Barium		134		4.3	52.8
Beryllium		0.35	J	0.061	0.53
Calcium		3130		135	1320
Cadmium		1.1	U	0.16	1.1
Cobalt		12.3	J	1.5	13.2
Chromium		30.9		0.73	2.6
Copper		14.5		1.5	6.6
Iron		30000		7.1	39.6
Potassium		1790		70.2	1320
Magnesium		5410		102	1320
Manganese		201		0.41	4.0
Sodium		1320	U	102	1320
Nickel		21.6		1.0	10.6
Lead		8.6		0.80	2.6
Antimony		5.3	U	0.63	5.3
Selenium		5.3	U	1.6	5.3
Thallium		5.3	U	1.6	5.3
Vanadium		37.9		1.6	13.2
Zinc		98.9		0.68	7.9

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451910

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.67 g

Analysis Date: 07/26/2017 0930

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.073		0.013	0.021

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Date Sampled: 07/20/2017 1340

Client Matrix: Solid

% Moisture: 26.7

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.01 g

Analysis Date: 07/21/2017 2056

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.7	U	0.41	2.7
Aluminum		19000		11.1	54.0
Arsenic		2.7	J	1.0	4.1
Barium		136		4.4	54.0
Beryllium		0.56		0.062	0.54
Calcium		3320		138	1350
Cadmium		1.1	U	0.16	1.1
Cobalt		11.4	J	1.5	13.5
Chromium		33.6		0.75	2.7
Copper		10.4		1.5	6.8
Iron		31800		7.3	40.5
Potassium		866	J	71.9	1350
Magnesium		5060		104	1350
Manganese		249		0.42	4.1
Sodium		1350	U	104	1350
Nickel		19.1		1.0	10.8
Lead		11.5		0.82	2.7
Antimony		5.4	U	0.65	5.4
Selenium		5.4	U	1.6	5.4
Thallium		5.4	U	1.6	5.4
Vanadium		53.0		1.6	13.5
Zinc		89.2		0.70	8.1

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451910

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.64 g

Analysis Date: 07/26/2017 0932

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.053		0.014	0.022

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Date Sampled: 07/20/2017 1325

Client Matrix: Solid

% Moisture: 15.4

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.05 g

Analysis Date: 07/21/2017 2100

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.3	U	0.34	2.3
Aluminum		11200		9.2	45.0
Arsenic		4.0		0.83	3.4
Barium		358		3.6	45.0
Beryllium		0.32	J	0.052	0.45
Calcium		14100		115	1130
Cadmium		0.26	J	0.13	0.90
Cobalt		6.9	J	1.3	11.3
Chromium		21.2		0.62	2.3
Copper		40.5		1.3	5.6
Iron		16400		6.1	33.8
Potassium		1670		59.9	1130
Magnesium		4900		86.8	1130
Manganese		273		0.35	3.4
Sodium		236	J	86.7	1130
Nickel		14.9		0.85	9.0
Lead		472		0.68	2.3
Antimony		0.57	J	0.54	4.5
Selenium		4.5	U	1.4	4.5
Thallium		4.5	U	1.3	4.5
Vanadium		33.0		1.3	11.3
Zinc		281		0.58	6.8

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451910

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.60 g

Analysis Date: 07/26/2017 0933

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.020	U	0.013	0.020

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Date Sampled: 07/20/2017 1215

Client Matrix: Solid

% Moisture: 9.1

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 07/21/2017 2124

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.1	U	0.33	2.1
Aluminum		9960		8.8	42.7
Arsenic		3.2	U	0.79	3.2
Barium		69.6		3.5	42.7
Beryllium		0.31	J	0.049	0.43
Calcium		1810		109	1070
Cadmium		0.85	U	0.13	0.85
Cobalt		6.1	J	1.2	10.7
Chromium		21.3		0.59	2.1
Copper		8.4		1.2	5.3
Iron		14500		5.8	32.0
Potassium		485	J	56.8	1070
Magnesium		3680		82.3	1070
Manganese		119		0.33	3.2
Sodium		84.6	J	82.2	1070
Nickel		11.2		0.81	8.5
Lead		4.2		0.65	2.1
Antimony		4.3	U	0.51	4.3
Selenium		4.3	U	1.3	4.3
Thallium		4.3	U	1.3	4.3
Vanadium		28.6		1.3	10.7
Zinc		39.6		0.55	6.4

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451910

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.63 g

Analysis Date: 07/26/2017 0939

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.13		0.012	0.018

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Date Sampled: 07/20/2017 1040

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.03 g

Analysis Date: 07/21/2017 2127

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.3	U	0.34	2.3
Aluminum		10700		9.3	45.1
Arsenic		3.4	U	0.84	3.4
Barium		104		3.7	45.1
Beryllium		0.31	J	0.052	0.45
Calcium		2300		115	1130
Cadmium		0.90	U	0.13	0.90
Cobalt		9.6	J	1.3	11.3
Chromium		23.4		0.63	2.3
Copper		20.4		1.3	5.6
Iron		16200		6.1	33.9
Potassium		2100		60.0	1130
Magnesium		4750		87.0	1130
Manganese		104		0.35	3.4
Sodium		249	J	86.9	1130
Nickel		18.6		0.86	9.0
Lead		5.3		0.68	2.3
Antimony		4.5	U	0.54	4.5
Selenium		4.5	U	1.4	4.5
Thallium		4.5	U	1.3	4.5
Vanadium		29.6		1.3	11.3
Zinc		57.9		0.58	6.8

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451910

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.62 g

Analysis Date: 07/26/2017 0940

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0417

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.012	J	0.012	0.019

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Date Sampled: 07/20/2017 1135

Client Matrix: Solid

% Moisture: 14.0

Date Received: 07/20/2017 2000

6010C Metals (ICP)

Analysis Method: 6010C

Analysis Batch: 460-451147

Instrument ID: ICP4

Prep Method: 3050B

Prep Batch: 460-450891

Lab File ID: 450891.asc

Dilution: 4.0

Initial Weight/Volume: 1.04 g

Analysis Date: 07/21/2017 2131

Final Weight/Volume: 50 mL

Prep Date: 07/21/2017 0142

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Silver		2.2	U	0.34	2.2
Aluminum		7020		9.2	44.7
Arsenic		3.4	U	0.83	3.4
Barium		59.7		3.6	44.7
Beryllium		0.15	J	0.051	0.45
Calcium		2170		114	1120
Cadmium		0.89	U	0.13	0.89
Cobalt		5.7	J	1.3	11.2
Chromium		17.5		0.62	2.2
Copper		15.4		1.3	5.6
Iron		14900		6.0	33.5
Potassium		2120		59.4	1120
Magnesium		3640		86.2	1120
Manganese		113		0.35	3.4
Sodium		1120	U	86.0	1120
Nickel		13.3		0.85	8.9
Lead		3.3		0.67	2.2
Antimony		4.5	U	0.54	4.5
Selenium		4.5	U	1.4	4.5
Thallium		4.5	U	1.3	4.5
Vanadium		25.3		1.3	11.2
Zinc		34.8		0.58	6.7

7471B Mercury (CVAA)

Analysis Method: 7471B

Analysis Batch: 460-451990

Instrument ID: LEEMAN7

Prep Method: 7471B

Prep Batch: 460-451918

Lab File ID: 451909HG1.CSV

Dilution: 1.0

Initial Weight/Volume: 0.65 g

Analysis Date: 07/26/2017 0945

Final Weight/Volume: 50 mL

Prep Date: 07/26/2017 0448

Analyte	DryWt Corrected: Y	Result (mg/Kg)	Qualifier	MDL	RL
Mercury		0.018	U	0.012	0.018

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-4(8-10)

Lab Sample ID: 460-137545-1

Client Matrix: Solid

Date Sampled: 07/20/2017 1410

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	73.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-5(8-10)

Lab Sample ID: 460-137545-2

Client Matrix: Solid

Date Sampled: 07/20/2017 1340

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	26.7		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	73.3		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-6(8-10)

Lab Sample ID: 460-137545-3

Client Matrix: Solid

Date Sampled: 07/20/2017 1325

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	15.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	84.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-2(2-4)

Lab Sample ID: 460-137545-4

Client Matrix: Solid

Date Sampled: 07/20/2017 1210

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	21.6		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	78.4		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-2(8-10)

Lab Sample ID: 460-137545-5

Client Matrix: Solid

Date Sampled: 07/20/2017 1215

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	9.1		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	90.9		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-1(8-10)

Lab Sample ID: 460-137545-6

Client Matrix: Solid

Date Sampled: 07/20/2017 1040

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	86.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-3(8-10)

Lab Sample ID: 460-137545-7

Client Matrix: Solid

Date Sampled: 07/20/2017 1135

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	14.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	86.0		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

Analytical Data

Client: AKRF Inc

Job Number: 460-137545-1

General Chemistry

Client Sample ID: SB-1(1-3)

Lab Sample ID: 460-137545-8

Client Matrix: Solid

Date Sampled: 07/20/2017 1045

Date Received: 07/20/2017 2000

Analyte	Result	Qual	Units	RL	RL	Dil	Method
Percent Moisture	8.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N
Percent Solids	91.5		%	1.0	1.0	1.0	Moisture
	Analysis Batch: 460-451737	Analysis Date: 07/25/2017	1126				DryWt Corrected: N

DATA REPORTING QUALIFIERS

Client: AKRF Inc

Job Number: 460-137545-1

Lab Section	Qualifier	Description
GC/MS VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
	B	The analyte was found in an associated blank, as well as in the sample.
GC/MS Semi VOA		
	U	Analyzed for but not detected.
	J	Indicates an estimated value.
	*	LCS or LCSD is outside acceptance limits.
	*	MS or MSD is outside acceptance limits.
	*	Surrogate is outside acceptance limits.
GC Semi VOA		
	U	Analyzed for but not detected.
	*	Surrogate is outside acceptance limits.
Metals		
	U	Indicates analyzed for but not detected.
	4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
	J	Sample result is greater than the MDL but below the CRDL
	N	Spiked sample recovery is not within control limits.

QUALITY CONTROL RESULTS

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Prep Batch: 460-450930					
LB3 460-450930/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	5035	
460-137545-1	SB-4(8-10)	T	Solid	5035	
460-137545-2	SB-5(8-10)	T	Solid	5035	
460-137545-3	SB-6(8-10)	T	Solid	5035	
460-137545-4	SB-2(2-4)	T	Solid	5035	
460-137545-5	SB-2(8-10)	T	Solid	5035	
460-137545-6	SB-1(8-10)	T	Solid	5035	
460-137545-7	SB-3(8-10)	T	Solid	5035	
460-137545-8	SB-1(1-3)	T	Solid	5035	
Analysis Batch:460-451216					
LCS 460-451216/3	Lab Control Sample	T	Solid	8260C	
LCSD 460-451216/4	Lab Control Sample Duplicate	T	Solid	8260C	
MB 460-451216/7	Method Blank	T	Solid	8260C	
LB3 460-450930/1-A	Neutral Leach or MeOH Extraction Blank	T	Solid	8260C	460-450930
460-137545-1	SB-4(8-10)	T	Solid	8260C	460-450930
460-137545-2	SB-5(8-10)	T	Solid	8260C	460-450930
460-137545-3	SB-6(8-10)	T	Solid	8260C	460-450930
460-137545-4	SB-2(2-4)	T	Solid	8260C	460-450930
460-137545-5	SB-2(8-10)	T	Solid	8260C	460-450930
460-137545-6	SB-1(8-10)	T	Solid	8260C	460-450930
460-137545-7	SB-3(8-10)	T	Solid	8260C	460-450930
460-137545-8	SB-1(1-3)	T	Solid	8260C	460-450930
Analysis Batch:460-451328					
LCS 460-451328/3	Lab Control Sample	T	Water	8260C	
LCSD 460-451328/4	Lab Control Sample Duplicate	T	Water	8260C	
MB 460-451328/7	Method Blank	T	Water	8260C	
460-137545-9	TW-2	T	Water	8260C	
460-137545-10	TW-3	T	Water	8260C	
460-137545-13TB	TB	T	Water	8260C	
Analysis Batch:460-451562					
LCS 460-451562/4	Lab Control Sample	T	Water	8260C	
MB 460-451562/8	Method Blank	T	Water	8260C	
460-137545-11	TW-5	T	Water	8260C	
460-137545-12	TW-1	T	Water	8260C	
460-137623-A-4 MS	Matrix Spike	T	Water	8260C	
460-137623-A-4 MSD	Matrix Spike Duplicate	T	Water	8260C	

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 460-450949					
460-137545-9	TW-2	T	Water	3510C	
460-137545-10	TW-3	T	Water	3510C	
460-137545-11	TW-5	T	Water	3510C	
460-137545-12	TW-1	T	Water	3510C	
Prep Batch: 460-451150					
LCS 460-451150/2-A	Lab Control Sample	T	Solid	3546	
MB 460-451150/1-A	Method Blank	T	Solid	3546	
460-137545-1	SB-4(8-10)	T	Solid	3546	
460-137545-1MS	Matrix Spike	T	Solid	3546	
460-137545-1MSD	Matrix Spike Duplicate	T	Solid	3546	
460-137545-2	SB-5(8-10)	T	Solid	3546	
460-137545-3	SB-6(8-10)	T	Solid	3546	
460-137545-4	SB-2(2-4)	T	Solid	3546	
460-137545-5	SB-2(8-10)	T	Solid	3546	
460-137545-6	SB-1(8-10)	T	Solid	3546	
460-137545-7	SB-3(8-10)	T	Solid	3546	
460-137545-8	SB-1(1-3)	T	Solid	3546	
Analysis Batch:460-451178					
LCS 460-451150/2-A	Lab Control Sample	T	Solid	8270D	460-451150
460-137545-1	SB-4(8-10)	T	Solid	8270D	460-451150
460-137545-1MS	Matrix Spike	T	Solid	8270D	460-451150
460-137545-1MSD	Matrix Spike Duplicate	T	Solid	8270D	460-451150
460-137545-2	SB-5(8-10)	T	Solid	8270D	460-451150
460-137545-3	SB-6(8-10)	T	Solid	8270D	460-451150
460-137545-4	SB-2(2-4)	T	Solid	8270D	460-451150
460-137545-5	SB-2(8-10)	T	Solid	8270D	460-451150
460-137545-6	SB-1(8-10)	T	Solid	8270D	460-451150
460-137545-7	SB-3(8-10)	T	Solid	8270D	460-451150
460-137545-8	SB-1(1-3)	T	Solid	8270D	460-451150
Analysis Batch:460-451285					
460-137545-9	TW-2	T	Water	8270D	460-450949
460-137545-10	TW-3	T	Water	8270D	460-450949
460-137545-11	TW-5	T	Water	8270D	460-450949
460-137545-12	TW-1	T	Water	8270D	460-450949
Analysis Batch:460-451418					
MB 460-451150/1-A	Method Blank	T	Solid	8270D	460-451150

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 460-451523					
LCS 460-451523/2-A	Lab Control Sample	T	Solid	3546	
MB 460-451523/1-A	Method Blank	T	Solid	3546	
460-137545-1	SB-4(8-10)	T	Solid	3546	
460-137545-2	SB-5(8-10)	T	Solid	3546	
460-137545-3	SB-6(8-10)	T	Solid	3546	
460-137545-5	SB-2(8-10)	T	Solid	3546	
460-137545-7	SB-3(8-10)	T	Solid	3546	
460-137672-A-9-A MS	Matrix Spike	T	Solid	3546	
460-137672-A-9-B MSD	Matrix Spike Duplicate	T	Solid	3546	
Analysis Batch:460-451711					
LCS 460-451523/2-A	Lab Control Sample	T	Solid	8082A	460-451523
MB 460-451523/1-A	Method Blank	T	Solid	8082A	460-451523
460-137545-1	SB-4(8-10)	T	Solid	8082A	460-451523
460-137545-2	SB-5(8-10)	T	Solid	8082A	460-451523
460-137545-3	SB-6(8-10)	T	Solid	8082A	460-451523
460-137545-5	SB-2(8-10)	T	Solid	8082A	460-451523
460-137545-7	SB-3(8-10)	T	Solid	8082A	460-451523
460-137672-A-9-A MS	Matrix Spike	T	Solid	8082A	460-451523
460-137672-A-9-B MSD	Matrix Spike Duplicate	T	Solid	8082A	460-451523

Report Basis

T = Total

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Prep Batch: 460-450891					
LCSSRM 460-450891/2-A	LCS-Certified Reference Material	T	Solid	3050B	
MB 460-450891/1-A ^2	Method Blank	T	Solid	3050B	
460-137542-E-8-B DU	Duplicate	T	Solid	3050B	
460-137542-E-8-C MS	Matrix Spike	T	Solid	3050B	
460-137545-1	SB-4(8-10)	T	Solid	3050B	
460-137545-2	SB-5(8-10)	T	Solid	3050B	
460-137545-3	SB-6(8-10)	T	Solid	3050B	
460-137545-5	SB-2(8-10)	T	Solid	3050B	
460-137545-6	SB-1(8-10)	T	Solid	3050B	
460-137545-7	SB-3(8-10)	T	Solid	3050B	
Analysis Batch:460-451147					
LCSSRM 460-450891/2-A	LCS-Certified Reference Material	T	Solid	6010C	460-450891
MB 460-450891/1-A ^2	Method Blank	T	Solid	6010C	460-450891
460-137542-E-8-B DU	Duplicate	T	Solid	6010C	460-450891
460-137542-E-8-C MS	Matrix Spike	T	Solid	6010C	460-450891
460-137545-1	SB-4(8-10)	T	Solid	6010C	460-450891
460-137545-2	SB-5(8-10)	T	Solid	6010C	460-450891
460-137545-3	SB-6(8-10)	T	Solid	6010C	460-450891
460-137545-5	SB-2(8-10)	T	Solid	6010C	460-450891
460-137545-6	SB-1(8-10)	T	Solid	6010C	460-450891
460-137545-7	SB-3(8-10)	T	Solid	6010C	460-450891
Prep Batch: 460-451910					
LCSSRM 460-451910/2-A ^40	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-451910/1-A	Method Blank	T	Solid	7471B	
460-137536-A-1-E DU	Duplicate	T	Solid	7471B	
460-137536-A-1-F MS	Matrix Spike	T	Solid	7471B	
460-137545-1	SB-4(8-10)	T	Solid	7471B	
460-137545-2	SB-5(8-10)	T	Solid	7471B	
460-137545-3	SB-6(8-10)	T	Solid	7471B	
460-137545-5	SB-2(8-10)	T	Solid	7471B	
460-137545-6	SB-1(8-10)	T	Solid	7471B	
Prep Batch: 460-451918					
LCSSRM 460-451918/2-A ^40	LCS-Certified Reference Material	T	Solid	7471B	
MB 460-451918/1-A	Method Blank	T	Solid	7471B	
460-137545-7	SB-3(8-10)	T	Solid	7471B	
460-137545-7DU	Duplicate	T	Solid	7471B	
460-137545-7MS	Matrix Spike	T	Solid	7471B	

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
Metals					
Analysis Batch:460-451990					
LCSSRM 460-451910/2-A ^40LCS-Certified Reference Material		T	Solid	7471B	460-451910
MB 460-451910/1-A	Method Blank	T	Solid	7471B	460-451910
LCSSRM 460-451918/2-A ^40LCS-Certified Reference Material		T	Solid	7471B	460-451918
MB 460-451918/1-A	Method Blank	T	Solid	7471B	460-451918
460-137536-A-1-E DU	Duplicate	T	Solid	7471B	460-451910
460-137536-A-1-F MS	Matrix Spike	T	Solid	7471B	460-451910
460-137545-1	SB-4(8-10)	T	Solid	7471B	460-451910
460-137545-2	SB-5(8-10)	T	Solid	7471B	460-451910
460-137545-3	SB-6(8-10)	T	Solid	7471B	460-451910
460-137545-5	SB-2(8-10)	T	Solid	7471B	460-451910
460-137545-6	SB-1(8-10)	T	Solid	7471B	460-451910
460-137545-7	SB-3(8-10)	T	Solid	7471B	460-451918
460-137545-7DU	Duplicate	T	Solid	7471B	460-451918
460-137545-7MS	Matrix Spike	T	Solid	7471B	460-451918

Report Basis

T = Total

General Chemistry

Analysis Batch:460-451737					
460-137545-1	SB-4(8-10)	T	Solid	Moisture	
460-137545-2	SB-5(8-10)	T	Solid	Moisture	
460-137545-3	SB-6(8-10)	T	Solid	Moisture	
460-137545-4	SB-2(2-4)	T	Solid	Moisture	
460-137545-5	SB-2(8-10)	T	Solid	Moisture	
460-137545-6	SB-1(8-10)	T	Solid	Moisture	
460-137545-7	SB-3(8-10)	T	Solid	Moisture	
460-137545-8	SB-1(1-3)	T	Solid	Moisture	
460-137545-8DU	Duplicate	T	Solid	Moisture	

Report Basis

T = Total

TestAmerica Edison

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-137545-1	SB-4(8-10)	99	96	103	109
460-137545-2	SB-5(8-10)	93	89	96	100
460-137545-3	SB-6(8-10)	100	94	106	109
460-137545-4	SB-2(2-4)	101	100	107	113
460-137545-5	SB-2(8-10)	100	96	106	109
460-137545-6	SB-1(8-10)	91	91	97	100
460-137545-7	SB-3(8-10)	97	97	105	107
460-137545-8	SB-1(1-3)	96	96	105	108
MB 460-451216/7		93	97	104	105
LB3 460-450930/1-A		93	98	101	106
LCS 460-451216/3		94	99	104	106
LCSD 460-451216/4		94	97	102	104

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	78-135
BFB = 4-Bromofluorobenzene	67-126
DBFM = Dibromofluoromethane (Surr)	61-149
TOL = Toluene-d8 (Surr)	73-121

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Surrogate Recovery Report

8260C Volatile Organic Compounds by GC/MS

Client Matrix: Water

Lab Sample ID	Client Sample ID	DCA %Rec	BFB %Rec	DBFM %Rec	TOL %Rec
460-137545-9	TW-2	111	99	93	91
460-137545-10	TW-3	107	101	98	92
460-137545-11	TW-5	103	104	95	92
460-137545-12	TW-1	101	101	94	91
460-137545-13	TB	110	102	97	94
MB 460-451328/7		105	100	92	95
MB 460-451562/8		105	103	92	92
LCS 460-451328/3		97	112	87	101
LCS 460-451562/4		95	116	87	99
LCSD 460-451328/4		97	113	86	100
460-137623-A-4 MS		97	120	87	101
460-137623-A-4 MSD		97	118	87	98

Surrogate	Acceptance Limits
DCA = 1,2-Dichloroethane-d4 (Surr)	74-132
BFB = 4-Bromofluorobenzene	77-124
DBFM = Dibromofluoromethane (Surr)	72-131
TOL = Toluene-d8 (Surr)	80-120

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPHL %Rec
460-137545-1	SB-4(8-10)	82	77	84
460-137545-2	SB-5(8-10)	77	72	79
460-137545-3	SB-6(8-10)	79	75	82
460-137545-4	SB-2(2-4)	85	82	84
460-137545-5	SB-2(8-10)	77	72	76
460-137545-6	SB-1(8-10)	82	75	80
460-137545-7	SB-3(8-10)	80	80	85
460-137545-8	SB-1(1-3)	60	57	59
MB 460-451150/1-A		69	69	73
LCS 460-451150/2-A		101*	92	91
460-137545-1 MS	SB-4(8-10) MS	73	66	71
460-137545-1 MSD	SB-4(8-10) MSD	82	75	79

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	38-95
NBZ = Nitrobenzene-d5 (Surr)	37-94
TPHL = Terphenyl-d14 (Surr)	24-109

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Surrogate Recovery Report

8270D Semivolatile Organic Compounds (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPHL %Rec
460-137545-9	TW-2	102	108	104
460-137545-10	TW-3	95	100	96
460-137545-11	TW-5	106	111*	106
460-137545-12	TW-1	104	113*	108

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	45-107
NBZ = Nitrobenzene-d5 (Surr)	51-108
TPHL = Terphenyl-d14 (Surr)	40-148

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Surrogate Recovery Report

8082A Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Client Matrix: Solid

Lab Sample ID	Client Sample ID	DCBP1	DCBP2
		%Rec	%Rec
460-137545-1	SB-4(8-10)	126	165*
460-137545-2	SB-5(8-10)	133	117
460-137545-3	SB-6(8-10)	127	149
460-137545-5	SB-2(8-10)	122	127
460-137545-7	SB-3(8-10)	118	139
MB 460-451523/1-A		105	123
LCS 460-451523/2-A		107	148
460-137672-A-9-A MS		134	113
460-137672-A-9-B MSD		131	107

Surrogate

Acceptance Limits

DCBP = DCB Decachlorobiphenyl

35-150

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-450930

Method: 8260C

Preparation: 5035

Lab Sample ID: LB3 460-450930/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/22/2017 1720
Prep Date: 07/21/2017 0638
Leach Date: N/A

Analysis Batch: 460-451216
Prep Batch: 460-450930
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CVOAMS9
Lab File ID: K70886.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.0010	U	0.00023	0.0010
1,1,2,2-Tetrachloroethane	0.0010	U	0.00021	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.00030	0.0010
1,1,2-Trichloroethane	0.0010	U	0.00018	0.0010
1,1-Dichloroethane	0.0010	U	0.00021	0.0010
1,1-Dichloroethene	0.0010	U	0.00023	0.0010
1,2,3-Trichlorobenzene	0.0010	U	0.00018	0.0010
1,2,4-Trichlorobenzene	0.0010	U	0.000092	0.0010
1,2-Dibromo-3-Chloropropane	0.0010	U	0.00046	0.0010
1,2-Dichlorobenzene	0.0010	U	0.00014	0.0010
1,2-Dichloroethane	0.0010	U	0.00030	0.0010
1,2-Dichloropropane	0.0010	U	0.00042	0.0010
1,3-Dichlorobenzene	0.0010	U	0.00016	0.0010
1,4-Dichlorobenzene	0.0010	U	0.00010	0.0010
1,4-Dioxane	0.020	U	0.0092	0.020
2-Butanone (MEK)	0.0050	U	0.0011	0.0050
2-Hexanone	0.0050	U	0.00078	0.0050
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.00066	0.0050
Acetone	0.0050	U	0.0038	0.0050
Acetonitrile	0.010	U	0.0062	0.010
Acrolein	0.10	U	0.028	0.10
Benzene	0.0010	U	0.00026	0.0010
Bromoform	0.0010	U	0.00043	0.0010
Bromomethane	0.0010	U	0.00047	0.0010
Carbon disulfide	0.0010	U	0.00027	0.0010
Carbon tetrachloride	0.0010	U	0.00018	0.0010
Chlorobenzene	0.0010	U	0.00018	0.0010
Chlorobromomethane	0.0010	U	0.00028	0.0010
Chlorodibromomethane	0.0010	U	0.00019	0.0010
Chloroethane	0.0010	U	0.00052	0.0010
Chloroform	0.0010	U	0.00032	0.0010
Chloromethane	0.0010	U	0.00044	0.0010
cis-1,2-Dichloroethene	0.0010	U	0.00015	0.0010
cis-1,3-Dichloropropene	0.0010	U	0.00027	0.0010
Cyclohexane	0.0010	U	0.00022	0.0010
Dichlorobromomethane	0.0010	U	0.00026	0.0010
Dichlorodifluoromethane	0.0010	U	0.00034	0.0010
Ethylbenzene	0.0010	U	0.00020	0.0010
Ethylene Dibromide	0.0010	U	0.00018	0.0010
Isopropylbenzene	0.0010	U	0.00013	0.0010
Methyl acetate	0.0050	U	0.0043	0.0050
Methyl tert-butyl ether	0.0010	U	0.00013	0.0010
Methylcyclohexane	0.0010	U	0.00016	0.0010
Methylene Chloride	0.000671	J	0.00016	0.0010
m-Xylene & p-Xylene	0.0010	U	0.00017	0.0010

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Neutral Leach or MeOH Extraction Blank - Batch: 460-450930

Method: 8260C
Preparation: 5035

Lab Sample ID:	LB3 460-450930/1-A	Analysis Batch:	460-451216	Instrument ID:	CVOAMS9
Client Matrix:	Solid	Prep Batch:	460-450930	Lab File ID:	K70886.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 g
Analysis Date:	07/22/2017 1720	Units:	mg/Kg	Final Weight/Volume:	5 mL
Prep Date:	07/21/2017 0638				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
o-Xylene	0.0010	U	0.000095	0.0010
Styrene	0.0010	U	0.00012	0.0010
TBA	0.010	U	0.0033	0.010
Tetrachloroethene	0.0010	U	0.00014	0.0010
Toluene	0.0010	U	0.00063	0.0010
trans-1,2-Dichloroethene	0.0010	U	0.00025	0.0010
trans-1,3-Dichloropropene	0.0010	U	0.00027	0.0010
Trichloroethene	0.0010	U	0.00014	0.0010
Trichlorofluoromethane	0.0010	U	0.00041	0.0010
Vinyl chloride	0.0010	U	0.00055	0.0010
Surrogate	% Rec	Acceptance Limits		
1,2-Dichloroethane-d4 (Surr)	93	78 - 135		
4-Bromofluorobenzene	98	67 - 126		
Dibromofluoromethane (Surr)	101	61 - 149		
Toluene-d8 (Surr)	106	73 - 121		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451216

Method: 8260C Preparation: N/A

Lab Sample ID: MB 460-451216/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/22/2017 1214
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-451216
Prep Batch: N/A
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CVOAMS9
Lab File ID: K70873.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	0.0010	U	0.00023	0.0010
1,1,2,2-Tetrachloroethane	0.0010	U	0.00021	0.0010
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0010	U	0.00030	0.0010
1,1,2-Trichloroethane	0.0010	U	0.00018	0.0010
1,1-Dichloroethane	0.0010	U	0.00021	0.0010
1,1-Dichloroethene	0.0010	U	0.00023	0.0010
1,2,3-Trichlorobenzene	0.0010	U	0.00018	0.0010
1,2,4-Trichlorobenzene	0.0010	U	0.000092	0.0010
1,2-Dibromo-3-Chloropropane	0.0010	U	0.00046	0.0010
1,2-Dichlorobenzene	0.0010	U	0.00014	0.0010
1,2-Dichloroethane	0.0010	U	0.00030	0.0010
1,2-Dichloropropane	0.0010	U	0.00042	0.0010
1,3-Dichlorobenzene	0.0010	U	0.00016	0.0010
1,4-Dichlorobenzene	0.0010	U	0.00010	0.0010
1,4-Dioxane	0.020	U	0.0092	0.020
2-Butanone (MEK)	0.0050	U	0.0011	0.0050
2-Hexanone	0.0050	U	0.00078	0.0050
4-Methyl-2-pentanone (MIBK)	0.0050	U	0.00066	0.0050
Acetone	0.0050	U	0.0038	0.0050
Acetonitrile	0.010	U	0.0062	0.010
Acrolein	0.10	U	0.028	0.10
Benzene	0.0010	U	0.00026	0.0010
Bromoform	0.0010	U	0.00043	0.0010
Bromomethane	0.0010	U	0.00047	0.0010
Carbon disulfide	0.0010	U	0.00027	0.0010
Carbon tetrachloride	0.0010	U	0.00018	0.0010
Chlorobenzene	0.0010	U	0.00018	0.0010
Chlorobromomethane	0.0010	U	0.00028	0.0010
Chlorodibromomethane	0.0010	U	0.00019	0.0010
Chloroethane	0.0010	U	0.00052	0.0010
Chloroform	0.0010	U	0.00032	0.0010
Chloromethane	0.0010	U	0.00044	0.0010
cis-1,2-Dichloroethene	0.0010	U	0.00015	0.0010
cis-1,3-Dichloropropene	0.0010	U	0.00027	0.0010
Cyclohexane	0.0010	U	0.00022	0.0010
Dichlorobromomethane	0.0010	U	0.00026	0.0010
Dichlorodifluoromethane	0.0010	U	0.00034	0.0010
Ethylbenzene	0.0010	U	0.00020	0.0010
Ethylene Dibromide	0.0010	U	0.00018	0.0010
Isopropylbenzene	0.0010	U	0.00013	0.0010
Methyl acetate	0.0050	U	0.0043	0.0050
Methyl tert-butyl ether	0.0010	U	0.00013	0.0010
Methylcyclohexane	0.0010	U	0.00016	0.0010
Methylene Chloride	0.0010	U	0.00016	0.0010
m-Xylene & p-Xylene	0.0010	U	0.00017	0.0010

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451216

Method: 8260C
Preparation: N/A

Lab Sample ID: MB 460-451216/7
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/22/2017 1214
Prep Date: N/A
Leach Date: N/A

Analysis Batch: 460-451216
Prep Batch: N/A
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CVOAMS9
Lab File ID: K70873.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
o-Xylene	0.0010	U	0.000095	0.0010
Styrene	0.0010	U	0.00012	0.0010
TBA	0.010	U	0.0033	0.010
Tetrachloroethene	0.0010	U	0.00014	0.0010
Toluene	0.0010	U	0.00063	0.0010
trans-1,2-Dichloroethene	0.0010	U	0.00025	0.0010
trans-1,3-Dichloropropene	0.0010	U	0.00027	0.0010
Trichloroethene	0.0010	U	0.00014	0.0010
Trichlorofluoromethane	0.0010	U	0.00041	0.0010
Vinyl chloride	0.0010	U	0.00055	0.0010
Surrogate	% Rec		Acceptance Limits	
1,2-Dichloroethane-d4 (Surr)	93		78 - 135	
4-Bromofluorobenzene	97		67 - 126	
Dibromofluoromethane (Surr)	104		61 - 149	
Toluene-d8 (Surr)	105		73 - 121	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-451216

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-451216/3	Analysis Batch: 460-451216	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K70869.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2017 1012	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-451216/4	Analysis Batch: 460-451216	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K70870.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2017 1036	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	101	98	80 - 125	3	30		
1,1,2,2-Tetrachloroethane	106	109	72 - 131	2	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	107	100	78 - 132	7	30		
1,1,2-Trichloroethane	104	106	76 - 124	2	30		
1,1-Dichloroethane	105	107	80 - 124	2	30		
1,1-Dichloroethene	103	99	79 - 132	4	30		
1,2,3-Trichlorobenzene	99	100	75 - 123	1	30		
1,2,4-Trichlorobenzene	96	96	74 - 124	0	30		
1,2-Dibromo-3-Chloropropane	89	96	65 - 129	8	30		
1,2-Dichlorobenzene	96	97	80 - 121	1	30		
1,2-Dichloroethane	92	92	68 - 120	1	30		
1,2-Dichloropropane	107	111	77 - 124	3	30		
1,3-Dichlorobenzene	103	102	79 - 124	1	30		
1,4-Dichlorobenzene	103	102	79 - 121	1	30		
1,4-Dioxane	108	109	67 - 150	1	30		
2-Butanone (MEK)	101	101	61 - 140	0	30		
2-Hexanone	102	105	78 - 120	3	30		
4-Methyl-2-pentanone (MIBK)	104	106	80 - 120	2	30		
Acetone	86	86	75 - 120	0	30		
Acetonitrile	117	87	60 - 137	29	30		
Acrolein	92	101	11 - 143	9	30		
Benzene	111	113	75 - 127	2	30		
Bromoform	93	93	19 - 150	1	30		
Bromomethane	101	96	59 - 136	5	30		
Carbon disulfide	95	94	74 - 130	1	30		
Carbon tetrachloride	94	90	77 - 138	4	30		
Chlorobenzene	106	108	80 - 120	2	30		
Chlorobromomethane	103	105	80 - 125	3	30		
Chlorodibromomethane	100	104	67 - 143	4	30		
Chloroethane	110	102	50 - 139	8	30		
Chloroform	104	104	80 - 122	0	30		
Chloromethane	97	94	66 - 128	3	30		
cis-1,2-Dichloroethene	105	105	80 - 123	1	30		
cis-1,3-Dichloropropene	101	103	75 - 124	2	30		
Cyclohexane	103	102	67 - 135	1	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-451216

Method: 8260C

Preparation: N/A

LCS Lab Sample ID: LCS 460-451216/3	Analysis Batch: 460-451216	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K70869.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2017 1012	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-451216/4	Analysis Batch: 460-451216	Instrument ID: CVOAMS9
Client Matrix: Solid	Prep Batch: N/A	Lab File ID: K70870.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/22/2017 1036	Units: mg/Kg	Final Weight/Volume: 5 mL
Prep Date: N/A		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Dichlorobromomethane	98	100	76 - 129	2	30		
Dichlorodifluoromethane	86	83	72 - 127	4	30		
Ethylbenzene	102	100	79 - 124	2	30		
Ethylene Dibromide	103	105	80 - 122	2	30		
Isopropylbenzene	103	103	80 - 125	0	30		
Methyl acetate	94	103	73 - 123	9	30		
Methyl tert-butyl ether	93	98	80 - 120	4	30		
Methylcyclohexane	113	111	71 - 137	2	30		
Methylene Chloride	103	104	79 - 128	2	30		
m-Xylene & p-Xylene	101	101	79 - 121	1	30		
o-Xylene	102	104	79 - 123	2	30		
Styrene	105	104	78 - 123	1	30		
TBA	97	101	71 - 120	4	30		
Tetrachloroethene	100	99	73 - 130	1	30		
Toluene	103	104	75 - 122	1	30		
trans-1,2-Dichloroethene	107	106	80 - 129	1	30		
trans-1,3-Dichloropropene	97	101	72 - 121	4	30		
Trichloroethene	103	102	79 - 122	1	30		
Trichlorofluoromethane	96	91	68 - 136	5	30		
Vinyl chloride	94	96	70 - 134	3	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	94	94	78 - 135
4-Bromofluorobenzene	99	97	67 - 126
Dibromofluoromethane (Surr)	104	102	61 - 149
Toluene-d8 (Surr)	106	104	73 - 121

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451328

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 460-451328/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/23/2017 1759
Prep Date: 07/23/2017 1759
Leach Date: N/A

Analysis Batch: 460-451328
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CVOAMS2
Lab File ID: B18272.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451328

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 460-451328/7
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/23/2017 1759
Prep Date: 07/23/2017 1759
Leach Date: N/A

Analysis Batch: 460-451328
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CVOAMS2
Lab File ID: B18272.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	74 - 132
4-Bromofluorobenzene	100	77 - 124
Dibromofluoromethane (Surr)	92	72 - 131
Toluene-d8 (Surr)	95	80 - 120

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-451328

Method: 8260C

Preparation: 5030C

LCS Lab Sample ID: LCS 460-451328/3	Analysis Batch: 460-451328	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18268.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/23/2017 1624	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/23/2017 1624		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-451328/4	Analysis Batch: 460-451328	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18269.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/23/2017 1648	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/23/2017 1648		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
1,1,1-Trichloroethane	105	101	75 - 125	3	30		
1,1,2,2-Tetrachloroethane	99	106	74 - 120	6	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	108	96	59 - 150	12	30		
1,1,2-Trichloroethane	104	99	78 - 120	5	30		
1,1-Dichloroethane	109	108	77 - 123	1	30		
1,1-Dichloroethene	109	110	74 - 123	1	30		
1,2,3-Trichlorobenzene	114	111	78 - 131	2	30		
1,2,4-Trichlorobenzene	112	116	80 - 124	4	30		
1,2-Dibromo-3-Chloropropane	99	102	55 - 134	2	30		
1,2-Dichlorobenzene	105	100	80 - 120	5	30		
1,2-Dichloroethane	112	110	76 - 121	2	30		
1,2-Dichloropropane	128	125	77 - 123	2	30	*	*
1,3-Dichlorobenzene	103	103	80 - 120	0	30		
1,4-Dichlorobenzene	95	94	80 - 120	1	30		
1,4-Dioxane	113	111	10 - 150	2	30		
2-Butanone (MEK)	92	95	64 - 120	3	30		
2-Hexanone	112	112	71 - 125	0	30		
4-Methyl-2-pentanone (MIBK)	110	109	78 - 124	1	30		
Acetone	115	110	39 - 150	5	30		
Benzene	111	110	77 - 121	1	30		
Bromoform	83	86	53 - 120	3	30		
Bromomethane	81	81	10 - 150	1	30		
Carbon disulfide	114	108	69 - 133	5	30		
Carbon tetrachloride	99	94	70 - 132	5	30		
Chlorobenzene	103	104	80 - 120	1	30		
Chlorobromomethane	96	96	77 - 127	0	30		
Chlorodibromomethane	91	95	73 - 120	4	30		
Chloroethane	103	93	52 - 150	11	30		
Chloroform	105	105	80 - 120	0	30		
Chloromethane	144	143	56 - 131	0	30	*	*
cis-1,2-Dichloroethene	102	102	80 - 120	0	30		
cis-1,3-Dichloropropene	112	115	77 - 120	3	30		
Cyclohexane	76	70	56 - 150	8	30		
Dichlorobromomethane	101	100	76 - 120	0	30		
Dichlorodifluoromethane	98	84	50 - 131	15	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample/

Lab Control Sample Duplicate Recovery Report - Batch: 460-451328

Method: 8260C

Preparation: 5030C

LCS Lab Sample ID: LCS 460-451328/3	Analysis Batch: 460-451328	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18268.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/23/2017 1624	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/23/2017 1624		5 mL
Leach Date: N/A		

LCSD Lab Sample ID: LCSD 460-451328/4	Analysis Batch: 460-451328	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18269.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/23/2017 1648	Units: ug/L	Final Weight/Volume: 5 mL
Prep Date: 07/23/2017 1648		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	LCS Qual	LCSD Qual
	LCS	LCSD					
Ethylbenzene	104	108	80 - 120	3	30		
Ethylene Dibromide	95	97	80 - 120	2	30		
Isopropylbenzene	119	113	80 - 123	5	30		
Methyl acetate	140	138	66 - 144	1	30		
Methyl tert-butyl ether	97	105	79 - 122	8	30		
Methylcyclohexane	105	91	61 - 145	14	30		
Methylene Chloride	112	108	77 - 123	3	30		
m-Xylene & p-Xylene	108	105	80 - 120	3	30		
o-Xylene	102	109	80 - 120	6	30		
Styrene	107	104	80 - 120	4	30		
Tetrachloroethene	97	93	78 - 122	4	30		
Toluene	105	105	80 - 120	0	30		
trans-1,2-Dichloroethene	102	101	79 - 120	0	30		
trans-1,3-Dichloropropene	104	112	76 - 120	8	30		
Trichloroethene	106	104	77 - 120	2	30		
Trichlorofluoromethane	105	94	71 - 143	12	30		
Vinyl chloride	125	118	62 - 138	6	30		

Surrogate	LCS % Rec	LCSD % Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	97	97	74 - 132
4-Bromofluorobenzene	112	113	77 - 124
Dibromofluoromethane (Surr)	87	86	72 - 131
Toluene-d8 (Surr)	101	100	80 - 120

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451562

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 460-451562/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/24/2017 2228
Prep Date: 07/24/2017 2228
Leach Date: N/A

Analysis Batch: 460-451562
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CVOAMS2
Lab File ID: B18331.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
1,1,1-Trichloroethane	1.0	U	0.28	1.0
1,1,2,2-Tetrachloroethane	1.0	U	0.19	1.0
1,1,2-Trichloro-1,2,2-trifluoroethane	1.0	U	0.34	1.0
1,1,2-Trichloroethane	1.0	U	0.080	1.0
1,1-Dichloroethane	1.0	U	0.24	1.0
1,1-Dichloroethene	1.0	U	0.34	1.0
1,2,3-Trichlorobenzene	1.0	U	0.35	1.0
1,2,4-Trichlorobenzene	1.0	U	0.27	1.0
1,2-Dibromo-3-Chloropropane	1.0	U	0.23	1.0
1,2-Dichlorobenzene	1.0	U	0.22	1.0
1,2-Dichloroethane	1.0	U	0.25	1.0
1,2-Dichloropropane	1.0	U	0.18	1.0
1,3-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dichlorobenzene	1.0	U	0.33	1.0
1,4-Dioxane	50	U	8.7	50
2-Butanone (MEK)	5.0	U	2.2	5.0
2-Hexanone	5.0	U	0.72	5.0
4-Methyl-2-pentanone (MIBK)	5.0	U	0.63	5.0
Acetone	5.0	U	1.1	5.0
Benzene	1.0	U	0.090	1.0
Bromoform	1.0	U	0.18	1.0
Bromomethane	1.0	U	0.18	1.0
Carbon disulfide	1.0	U	0.22	1.0
Carbon tetrachloride	1.0	U	0.33	1.0
Chlorobenzene	1.0	U	0.24	1.0
Chlorobromomethane	1.0	U	0.30	1.0
Chlorodibromomethane	1.0	U	0.22	1.0
Chloroethane	1.0	U	0.37	1.0
Chloroform	1.0	U	0.22	1.0
Chloromethane	1.0	U	0.22	1.0
cis-1,2-Dichloroethene	1.0	U	0.26	1.0
cis-1,3-Dichloropropene	1.0	U	0.16	1.0
Cyclohexane	1.0	U	0.26	1.0
Dichlorobromomethane	1.0	U	0.15	1.0
Dichlorodifluoromethane	1.0	U	0.14	1.0
Ethylbenzene	1.0	U	0.30	1.0
Ethylene Dibromide	1.0	U	0.19	1.0
Isopropylbenzene	1.0	U	0.32	1.0
Methyl acetate	5.0	U	0.58	5.0
Methyl tert-butyl ether	1.0	U	0.13	1.0
Methylcyclohexane	1.0	U	0.22	1.0
Methylene Chloride	1.0	U	0.21	1.0
m-Xylene & p-Xylene	1.0	U	0.28	1.0
o-Xylene	1.0	U	0.32	1.0
Styrene	1.0	U	0.17	1.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451562

Method: 8260C

Preparation: 5030C

Lab Sample ID: MB 460-451562/8
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/24/2017 2228
Prep Date: 07/24/2017 2228
Leach Date: N/A

Analysis Batch: 460-451562
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CVOAMS2
Lab File ID: B18331.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Result	Qual	MDL	RL
Tetrachloroethene	1.0	U	0.12	1.0
Toluene	1.0	U	0.25	1.0
trans-1,2-Dichloroethene	1.0	U	0.18	1.0
trans-1,3-Dichloropropene	1.0	U	0.19	1.0
Trichloroethene	1.0	U	0.22	1.0
Trichlorofluoromethane	1.0	U	0.15	1.0
Vinyl chloride	1.0	U	0.060	1.0

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	105	74 - 132
4-Bromofluorobenzene	103	77 - 124
Dibromofluoromethane (Surr)	92	72 - 131
Toluene-d8 (Surr)	92	80 - 120

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample - Batch: 460-451562

Method: 8260C

Preparation: 5030C

Lab Sample ID: LCS 460-451562/4
Client Matrix: Water
Dilution: 1.0
Analysis Date: 07/24/2017 2053
Prep Date: 07/24/2017 2053
Leach Date: N/A

Analysis Batch: 460-451562
Prep Batch: N/A
Leach Batch: N/A
Units: ug/L

Instrument ID: CVOAMS2
Lab File ID: B18327.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,1,1-Trichloroethane	20.0	19.7	99	75 - 125	
1,1,2,2-Tetrachloroethane	20.0	21.5	107	74 - 120	
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5	97	59 - 150	
1,1,2-Trichloroethane	20.0	20.1	101	78 - 120	
1,1-Dichloroethane	20.0	20.7	103	77 - 123	
1,1-Dichloroethene	20.0	23.2	116	74 - 123	
1,2,3-Trichlorobenzene	20.0	22.3	112	78 - 131	
1,2,4-Trichlorobenzene	20.0	24.1	121	80 - 124	
1,2-Dibromo-3-Chloropropane	20.0	20.2	101	55 - 134	
1,2-Dichlorobenzene	20.0	20.2	101	80 - 120	
1,2-Dichloroethane	20.0	21.4	107	76 - 121	
1,2-Dichloropropane	20.0	25.2	126	77 - 123	*
1,3-Dichlorobenzene	20.0	19.6	98	80 - 120	
1,4-Dichlorobenzene	20.0	18.6	93	80 - 120	
1,4-Dioxane	400	541	135	10 - 150	
2-Butanone (MEK)	100	87.4	87	64 - 120	
2-Hexanone	100	112	112	71 - 125	
4-Methyl-2-pentanone (MIBK)	100	110	110	78 - 124	
Acetone	100	110	110	39 - 150	
Benzene	20.0	20.5	103	77 - 121	
Bromoform	20.0	17.4	87	53 - 120	
Bromomethane	20.0	13.9	69	10 - 150	
Carbon disulfide	20.0	21.3	107	69 - 133	
Carbon tetrachloride	20.0	19.3	97	70 - 132	
Chlorobenzene	20.0	20.0	100	80 - 120	
Chlorobromomethane	20.0	19.4	97	77 - 127	
Chlorodibromomethane	20.0	17.5	88	73 - 120	
Chloroethane	20.0	16.0	80	52 - 150	
Chloroform	20.0	19.7	99	80 - 120	
Chloromethane	20.0	26.3	132	56 - 131	*
cis-1,2-Dichloroethene	20.0	20.0	100	80 - 120	
cis-1,3-Dichloropropene	20.0	21.4	107	77 - 120	
Cyclohexane	20.0	13.7	69	56 - 150	
Dichlorobromomethane	20.0	19.7	98	76 - 120	
Dichlorodifluoromethane	20.0	17.7	89	50 - 131	
Ethylbenzene	20.0	20.1	101	80 - 120	
Ethylene Dibromide	20.0	17.9	90	80 - 120	
Isopropylbenzene	20.0	21.3	107	80 - 123	
Methyl acetate	100	141	141	66 - 144	
Methyl tert-butyl ether	20.0	20.6	103	79 - 122	
Methylcyclohexane	20.0	17.9	90	61 - 145	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample - Batch: 460-451562

Method: 8260C

Preparation: 5030C

Lab Sample ID:	LCS 460-451562/4	Analysis Batch:	460-451562	Instrument ID:	CVOAMS2
Client Matrix:	Water	Prep Batch:	N/A	Lab File ID:	B18327.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	5 mL
Analysis Date:	07/24/2017 2053	Units:	ug/L	Final Weight/Volume:	5 mL
Prep Date:	07/24/2017 2053				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Methylene Chloride	20.0	21.6	108	77 - 123	
m-Xylene & p-Xylene	20.0	20.0	100	80 - 120	
o-Xylene	20.0	21.4	107	80 - 120	
Styrene	20.0	19.7	98	80 - 120	
Tetrachloroethene	20.0	18.6	93	78 - 122	
Toluene	20.0	20.1	100	80 - 120	
trans-1,2-Dichloroethene	20.0	19.5	98	79 - 120	
trans-1,3-Dichloropropene	20.0	21.2	106	76 - 120	
Trichloroethene	20.0	21.1	106	77 - 120	
Trichlorofluoromethane	20.0	16.5	83	71 - 143	
Vinyl chloride	20.0	21.0	105	62 - 138	

Surrogate	% Rec	Acceptance Limits
1,2-Dichloroethane-d4 (Surr)	95	74 - 132
4-Bromofluorobenzene	116	77 - 124
Dibromofluoromethane (Surr)	87	72 - 131
Toluene-d8 (Surr)	99	80 - 120

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 460-451562**

**Method: 8260C
Preparation: 5030C**

MS Lab Sample ID: 460-137623-A-4 MS	Analysis Batch: 460-451562	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18338.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/25/2017 0113		Final Weight/Volume: 5 mL
Prep Date: 07/25/2017 0113		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-137623-A-4 MSD	Analysis Batch: 460-451562	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18339.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/25/2017 0137		Final Weight/Volume: 5 mL
Prep Date: 07/25/2017 0137		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,1,1-Trichloroethane	97	94	75 - 125	3	30		
1,1,2,2-Tetrachloroethane	110	104	74 - 120	5	30		
1,1,2-Trichloro-1,2,2-trifluoroethane	102	97	59 - 150	5	30		
1,1,2-Trichloroethane	104	99	78 - 120	5	30		
1,1-Dichloroethane	102	103	77 - 123	1	30		
1,1-Dichloroethene	113	102	74 - 123	11	30		
1,2,3-Trichlorobenzene	98	114	78 - 131	16	30		
1,2,4-Trichlorobenzene	102	114	80 - 124	11	30		
1,2-Dibromo-3-Chloropropane	110	101	55 - 134	9	30		
1,2-Dichlorobenzene	93	101	80 - 120	8	30		
1,2-Dichloroethane	114	106	76 - 121	8	30		
1,2-Dichloropropane	131	125	77 - 123	5	30	*	*
1,3-Dichlorobenzene	95	99	80 - 120	4	30		
1,4-Dichlorobenzene	92	96	80 - 120	4	30		
1,4-Dioxane	117	115	10 - 150	2	30		
2-Butanone (MEK)	86	95	64 - 120	9	30		
2-Hexanone	115	111	71 - 125	4	30		
4-Methyl-2-pentanone (MIBK)	115	110	78 - 124	4	30		
Acetone	115	117	39 - 150	1	30		
Benzene	103	101	77 - 121	2	30		
Bromoform	88	85	53 - 120	4	30		
Bromomethane	70	73	10 - 150	5	30		
Carbon disulfide	105	107	69 - 133	2	30		
Carbon tetrachloride	93	96	70 - 132	3	30		
Chlorobenzene	99	100	80 - 120	1	30		
Chlorobromomethane	97	90	77 - 127	7	30		
Chlorodibromomethane	87	87	73 - 120	0	30		
Chloroethane	80	81	52 - 150	2	30		
Chloroform	103	102	80 - 120	1	30		
Chloromethane	131	143	56 - 131	8	30		*
cis-1,2-Dichloroethene	94	96	80 - 120	1	30		
cis-1,3-Dichloropropene	103	102	77 - 120	1	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-451562

Method: 8260C
Preparation: 5030C

MS Lab Sample ID: 460-137623-A-4 MS	Analysis Batch: 460-451562	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18338.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/25/2017 0113		Final Weight/Volume: 5 mL
Prep Date: 07/25/2017 0113		5 mL
Leach Date: N/A		

MSD Lab Sample ID: 460-137623-A-4 MSD	Analysis Batch: 460-451562	Instrument ID: CVOAMS2
Client Matrix: Water	Prep Batch: N/A	Lab File ID: B18339.D
Dilution: 10	Leach Batch: N/A	Initial Weight/Volume: 5 mL
Analysis Date: 07/25/2017 0137		Final Weight/Volume: 5 mL
Prep Date: 07/25/2017 0137		5 mL
Leach Date: N/A		

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Cyclohexane	68	65	56 - 150	5	30		
Dichlorobromomethane	97	97	76 - 120	0	30		
Dichlorodifluoromethane	94	90	50 - 131	4	30		
Ethylbenzene	100	100	80 - 120	0	30		
Ethylene Dibromide	93	92	80 - 120	1	30		
Isopropylbenzene	105	109	80 - 123	4	30		
Methyl acetate	137	136	66 - 144	1	30		
Methyl tert-butyl ether	104	111	79 - 122	7	30		
Methylcyclohexane	87	90	61 - 145	3	30		
Methylene Chloride	102	109	77 - 123	7	30		
m-Xylene & p-Xylene	102	101	80 - 120	1	30		
o-Xylene	100	104	80 - 120	5	30		
Styrene	101	98	80 - 120	3	30		
Tetrachloroethene	91	86	78 - 122	6	30		
Toluene	103	100	80 - 120	3	30		
trans-1,2-Dichloroethene	95	97	79 - 120	2	30		
trans-1,3-Dichloropropene	106	101	76 - 120	4	30		
Trichloroethene	100	94	77 - 120	6	30		
Trichlorofluoromethane	90	89	71 - 143	1	30		
Vinyl chloride	106	110	62 - 138	3	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
1,2-Dichloroethane-d4 (Surr)	97		97	74 - 132			
4-Bromofluorobenzene	120		118	77 - 124			
Dibromofluoromethane (Surr)	87		87	72 - 131			
Toluene-d8 (Surr)	101		98	80 - 120			

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451150

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-451150/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/24/2017 1024
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451418
Prep Batch: 460-451150
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS11
Lab File ID: z46303.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
1,2,4-Trichlorobenzene	0.033	U	0.0073	0.033
1,2-Dichlorobenzene	0.33	U	0.011	0.33
1,3-Dichlorobenzene	0.33	U	0.026	0.33
1,4-Dichlorobenzene	0.33	U	0.026	0.33
2,2'-oxybis[1-chloropropane]	0.33	U	0.014	0.33
2,4-Dinitrotoluene	0.067	U	0.013	0.067
2,6-Dinitrotoluene	0.067	U	0.018	0.067
2-Chloronaphthalene	0.33	U	0.0075	0.33
2-Methylnaphthalene	0.33	U	0.0073	0.33
2-Nitroaniline	0.33	U	0.011	0.33
3,3'-Dichlorobenzidine	0.13	U	0.037	0.13
3-Nitroaniline	0.33	U	0.0098	0.33
4-Bromophenyl phenyl ether	0.33	U	0.010	0.33
4-Chloroaniline	0.33	U	0.0085	0.33
4-Chlorophenyl phenyl ether	0.33	U	0.0099	0.33
4-Nitroaniline	0.33	U	0.013	0.33
Acenaphthene	0.33	U	0.0080	0.33
Acenaphthylene	0.33	U	0.0085	0.33
Anthracene	0.33	U	0.031	0.33
Benzo[a]anthracene	0.033	U	0.028	0.033
Benzo[a]pyrene	0.033	U	0.010	0.033
Benzo[b]fluoranthene	0.033	U	0.013	0.033
Benzo[g,h,i]perylene	0.33	U	0.019	0.33
Benzo[k]fluoranthene	0.033	U	0.014	0.033
Bis(2-chloroethoxy)methane	0.33	U	0.010	0.33
Bis(2-chloroethyl)ether	0.033	U	0.0078	0.033
Bis(2-ethylhexyl) phthalate	0.33	U	0.013	0.33
Butyl benzyl phthalate	0.33	U	0.010	0.33
Carbazole	0.33	U	0.0082	0.33
Chrysene	0.33	U	0.0090	0.33
Dibenz(a,h)anthracene	0.033	U	0.017	0.033
Dibenzofuran	0.33	U	0.010	0.33
Diethyl phthalate	0.33	U	0.0094	0.33
Dimethyl phthalate	0.33	U	0.0096	0.33
Di-n-butyl phthalate	0.33	U	0.0099	0.33
Di-n-octyl phthalate	0.33	U	0.017	0.33
Fluoranthene	0.33	U	0.0098	0.33
Fluorene	0.33	U	0.0072	0.33
Hexachlorobenzene	0.033	U	0.013	0.033
Hexachlorobutadiene	0.067	U	0.0093	0.067
Hexachlorocyclopentadiene	0.33	U	0.021	0.33
Hexachloroethane	0.033	U	0.012	0.033
Indeno[1,2,3-cd]pyrene	0.033	U	0.022	0.033
Isophorone	0.13	U	0.0071	0.13
Naphthalene	0.33	U	0.0084	0.33

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451150

Method: 8270D Preparation: 3546

Lab Sample ID: MB 460-451150/1-A
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/24/2017 1024
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451418
Prep Batch: 460-451150
Leach Batch: N/A
Units: mg/Kg

Instrument ID: CBNAMS11
Lab File ID: z46303.D
Initial Weight/Volume: 15.0000 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	Result	Qual	MDL	RL
Nitrobenzene	0.033	U	0.010	0.033
N-Nitrosodi-n-propylamine	0.033	U	0.011	0.033
N-Nitrosodiphenylamine	0.33	U	0.030	0.33
Phenanthrene	0.33	U	0.0088	0.33
Pyrene	0.33	U	0.015	0.33
Surrogate	% Rec		Acceptance Limits	
2-Fluorobiphenyl	69		38 - 95	
Nitrobenzene-d5 (Surr)	69		37 - 94	
Terphenyl-d14 (Surr)	73		24 - 109	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample - Batch: 460-451150

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-451150/2-A	Analysis Batch:	460-451178	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-451150	Lab File ID:	z46272.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/23/2017 0854	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/21/2017 2312			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
1,2,4-Trichlorobenzene	3.33	3.06	92	62 - 104	
1,2-Dichlorobenzene	3.33	2.92	88	64 - 98	
1,3-Dichlorobenzene	3.33	2.85	85	62 - 96	
1,4-Dichlorobenzene	3.33	2.89	87	63 - 97	
2,2'-oxybis[1-chloropropane]	3.33	2.52	76	39 - 122	
2,4-Dinitrotoluene	3.33	3.32	100	66 - 122	
2,6-Dinitrotoluene	3.33	3.51	105	70 - 114	
2-Chloronaphthalene	3.33	3.15	94	63 - 107	
2-Methylnaphthalene	3.33	2.98	89	65 - 104	
2-Nitroaniline	3.33	2.56	77	57 - 114	
3,3'-Dichlorobenzidine	3.33	2.42	73	18 - 88	
3-Nitroaniline	3.33	2.39	72	30 - 94	
4-Bromophenyl phenyl ether	3.33	3.32	100	59 - 122	
4-Chloroaniline	3.33	2.43	73	18 - 94	
4-Chlorophenyl phenyl ether	3.33	3.10	93	66 - 110	
4-Nitroaniline	3.33	2.86	86	49 - 118	
Acenaphthene	3.33	2.96	89	62 - 108	
Acenaphthylene	3.33	3.24	97	67 - 107	
Anthracene	3.33	3.13	94	69 - 111	
Benzo[a]anthracene	3.33	2.83	85	68 - 110	
Benzo[a]pyrene	3.33	3.19	96	72 - 115	
Benzo[b]fluoranthene	3.33	3.40	102	69 - 119	
Benzo[g,h,i]perylene	3.33	3.55	107	54 - 128	
Benzo[k]fluoranthene	3.33	3.06	92	70 - 115	
Bis(2-chloroethoxy)methane	3.33	2.82	85	65 - 106	
Bis(2-chloroethyl)ether	3.33	2.84	85	64 - 105	
Bis(2-ethylhexyl) phthalate	3.33	2.73	82	63 - 125	
Butyl benzyl phthalate	3.33	2.79	84	65 - 125	
Carbazole	3.33	3.07	92	66 - 115	
Chrysene	3.33	3.02	91	70 - 111	
Dibenz(a,h)anthracene	3.33	3.59	108	60 - 130	
Dibenzofuran	3.33	3.08	93	67 - 107	
Diethyl phthalate	3.33	3.08	92	66 - 117	
Dimethyl phthalate	3.33	3.07	92	68 - 112	
Di-n-butyl phthalate	3.33	3.05	91	67 - 119	
Di-n-octyl phthalate	3.33	2.89	87	57 - 138	
Fluoranthene	3.33	3.05	92	64 - 114	
Fluorene	3.33	2.96	89	66 - 110	
Hexachlorobenzene	3.33	3.56	107	57 - 128	
Hexachlorobutadiene	3.33	3.27	98	60 - 108	
Hexachlorocyclopentadiene	3.33	3.19	96	50 - 129	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample - Batch: 460-451150

Method: 8270D
Preparation: 3546

Lab Sample ID:	LCS 460-451150/2-A	Analysis Batch:	460-451178	Instrument ID:	CBNAMS11
Client Matrix:	Solid	Prep Batch:	460-451150	Lab File ID:	z46272.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/23/2017 0854	Units:	mg/Kg	Final Weight/Volume:	1 mL
Prep Date:	07/21/2017 2312			Injection Volume:	1 uL
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Hexachloroethane	3.33	2.94	88	63 - 99	
Indeno[1,2,3-cd]pyrene	3.33	4.63	139	53 - 137	*
Isophorone	3.33	2.85	86	68 - 111	
Naphthalene	3.33	2.93	88	65 - 102	
Nitrobenzene	3.33	2.88	86	66 - 108	
N-Nitrosodi-n-propylamine	3.33	2.83	85	63 - 117	
N-Nitrosodiphenylamine	3.33	3.17	95	65 - 114	
Phenanthrene	3.33	3.13	94	68 - 111	
Pyrene	3.33	2.79	84	64 - 121	
Surrogate	% Rec		Acceptance Limits		
2-Fluorobiphenyl	101	*	38 - 95		
Nitrobenzene-d5 (Surr)	92		37 - 94		
Terphenyl-d14 (Surr)	91		24 - 109		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-451150

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-137545-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/23/2017 1202
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451178
Prep Batch: 460-451150
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z46280.D
Initial Weight/Volume: 15.0414 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-137545-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/23/2017 1225
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451178
Prep Batch: 460-451150
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z46281.D
Initial Weight/Volume: 15.0304 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
1,2,4-Trichlorobenzene	65	74	62 - 104	13	30		
1,2-Dichlorobenzene	60	68	64 - 98	12	30	*	
1,3-Dichlorobenzene	59	67	62 - 96	13	30	*	
1,4-Dichlorobenzene	59	67	63 - 97	13	30	*	
2,2'-oxybis[1-chloropropane]	56	62	39 - 122	10	30		
2,4-Dinitrotoluene	77	84	66 - 122	9	30		
2,6-Dinitrotoluene	81	88	70 - 114	8	30		
2-Chloronaphthalene	68	77	63 - 107	12	30		
2-Methylnaphthalene	65	72	65 - 104	10	30		
2-Nitroaniline	56	62	57 - 114	10	30	*	
3,3'-Dichlorobenzidine	61	72	18 - 88	16	30		
3-Nitroaniline	54	60	30 - 94	9	30		
4-Bromophenyl phenyl ether	74	84	59 - 122	13	30		
4-Chloroaniline	49	50	18 - 94	3	30		
4-Chlorophenyl phenyl ether	70	77	66 - 110	10	30		
4-Nitroaniline	61	69	49 - 118	12	30		
Acenaphthene	64	72	62 - 108	11	30		
Acenaphthylene	71	79	67 - 107	11	30		
Anthracene	69	78	69 - 111	12	30		
Benzo[a]anthracene	62	71	68 - 110	14	30	*	
Benzo[a]pyrene	73	82	72 - 115	13	30		
Benzo[b]fluoranthene	75	84	69 - 119	11	30		
Benzo[g,h,i]perylene	81	94	54 - 128	15	30		
Benzo[k]fluoranthene	70	79	70 - 115	12	30		
Bis(2-chloroethoxy)methane	63	70	65 - 106	11	30	*	
Bis(2-chloroethyl)ether	61	67	64 - 105	10	30	*	
Bis(2-ethylhexyl) phthalate	64	74	63 - 125	15	30		
Butyl benzyl phthalate	66	76	65 - 125	14	30		
Carbazole	65	74	66 - 115	13	30	*	
Chrysene	67	77	70 - 111	14	30	*	
Dibenz(a,h)anthracene	79	93	60 - 130	16	30		
Dibenzofuran	68	75	67 - 107	10	30		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-451150

Method: 8270D
Preparation: 3546

MS Lab Sample ID: 460-137545-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/23/2017 1202
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451178
Prep Batch: 460-451150
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z46280.D
Initial Weight/Volume: 15.0414 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

MSD Lab Sample ID: 460-137545-1
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/23/2017 1225
Prep Date: 07/21/2017 2312
Leach Date: N/A

Analysis Batch: 460-451178
Prep Batch: 460-451150
Leach Batch: N/A

Instrument ID: CBNAMS11
Lab File ID: z46281.D
Initial Weight/Volume: 15.0304 g
Final Weight/Volume: 1 mL
Injection Volume: 1 uL

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diethyl phthalate	72	78	66 - 117	9	30		
Dimethyl phthalate	71	78	68 - 112	10	30		
Di-n-butyl phthalate	70	79	67 - 119	13	30		
Di-n-octyl phthalate	68	76	57 - 138	10	30		
Fluoranthene	67	75	64 - 114	12	30		
Fluorene	67	74	66 - 110	10	30		
Hexachlorobenzene	79	89	57 - 128	13	30		
Hexachlorobutadiene	68	79	60 - 108	16	30		
Hexachlorocyclopentadiene	64	76	50 - 129	17	30		
Hexachloroethane	61	68	63 - 99	12	30	*	
Indeno[1,2,3-cd]pyrene	104	123	53 - 137	17	30		
Isophorone	64	71	68 - 111	11	30	*	
Naphthalene	63	71	65 - 102	13	30	*	
Nitrobenzene	62	72	66 - 108	14	30	*	
N-Nitrosodi-n-propylamine	63	69	63 - 117	8	30		
N-Nitrosodiphenylamine	71	79	65 - 114	11	30		
Phenanthrene	70	78	68 - 111	11	30		
Pyrene	64	73	64 - 121	14	30		
Surrogate	MS % Rec		MSD % Rec		Acceptance Limits		
2-Fluorobiphenyl	73		82		38 - 95		
Nitrobenzene-d5 (Surr)	66		75		37 - 94		
Terphenyl-d14 (Surr)	71		79		24 - 109		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451523

Method: 8082A Preparation: 3546

Lab Sample ID:	MB 460-451523/1-A	Analysis Batch:	460-451711	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-451523	Lab File ID:	8F121283.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/25/2017 1412	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/24/2017 1603			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Result	Qual	MDL	RL
Aroclor 1016	0.067	U	0.0089	0.067
Aroclor 1221	0.067	U	0.0089	0.067
Aroclor 1232	0.067	U	0.0089	0.067
Aroclor 1242	0.067	U	0.0089	0.067
Aroclor 1248	0.067	U	0.0089	0.067
Aroclor 1254	0.067	U	0.0092	0.067
Aroclor 1260	0.067	U	0.0092	0.067
Aroclor-1262	0.067	U	0.0092	0.067
Aroclor 1268	0.067	U	0.0092	0.067
Polychlorinated biphenyls, Total	0.067	U	0.0092	0.067
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	123		35 - 150	
Surrogate	% Rec		Acceptance Limits	
DCB Decachlorobiphenyl	105		35 - 150	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Lab Control Sample - Batch: 460-451523

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-451523/2-A	Analysis Batch:	460-451711	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-451523	Lab File ID:	8F121279.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/25/2017 1303	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/24/2017 1603			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.418	125	77 - 150	
Aroclor 1260	0.333	0.448	134	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	148		35 - 150		

Lab Control Sample - Batch: 460-451523

Method: 8082A
Preparation: 3546

Lab Sample ID:	LCS 460-451523/2-A	Analysis Batch:	460-451711	Instrument ID:	CPESTGC8
Client Matrix:	Solid	Prep Batch:	460-451523	Lab File ID:	8F121279.D
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	15.0000 g
Analysis Date:	07/25/2017 1303	Units:	mg/Kg	Final Weight/Volume:	10 mL
Prep Date:	07/24/2017 1603			Injection Volume:	1 uL
Leach Date:	N/A			Column ID:	SECONDARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Aroclor 1016	0.333	0.356	107	77 - 150	
Aroclor 1260	0.333	0.367	110	79 - 150	
Surrogate	% Rec		Acceptance Limits		
DCB Decachlorobiphenyl	107		35 - 150		

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-451523

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-137672-A-9-A MS	Analysis Batch: 460-451711	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-451523	Lab File ID: 8F121281.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.1001 g
Analysis Date: 07/25/2017 1337		Final Weight/Volume: 10 mL
Prep Date: 07/24/2017 1603		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

MSD Lab Sample ID: 460-137672-A-9-B MSD	Analysis Batch: 460-451711	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-451523	Lab File ID: 8F121282.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0214 g
Analysis Date: 07/25/2017 1355		Final Weight/Volume: 10 mL
Prep Date: 07/24/2017 1603		Injection Volume: 1 uL
Leach Date: N/A		Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	141	146	77 - 150	4	30		
Aroclor 1260	130	128	79 - 150	0	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	134		131	35 - 150			

Matrix Spike/ Matrix Spike Duplicate Recovery Report - Batch: 460-451523

Method: 8082A
Preparation: 3546

MS Lab Sample ID: 460-137672-A-9-A MS	Analysis Batch: 460-451711	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-451523	Lab File ID: 8F121281.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.1001 g
Analysis Date: 07/25/2017 1337		Final Weight/Volume: 10 mL
Prep Date: 07/24/2017 1603		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

MSD Lab Sample ID: 460-137672-A-9-B MSD	Analysis Batch: 460-451711	Instrument ID: CPESTGC8
Client Matrix: Solid	Prep Batch: 460-451523	Lab File ID: 8F121282.D
Dilution: 1.0	Leach Batch: N/A	Initial Weight/Volume: 15.0214 g
Analysis Date: 07/25/2017 1355		Final Weight/Volume: 10 mL
Prep Date: 07/24/2017 1603		Injection Volume: 1 uL
Leach Date: N/A		Column ID: SECONDARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Aroclor 1016	118	116	77 - 150	1	30		
Aroclor 1260	123	119	79 - 150	3	30		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
DCB Decachlorobiphenyl	113		107	35 - 150			

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-450891

Method: 6010C

Preparation: 3050B

Lab Sample ID: MB 460-450891/1-A ^2
Client Matrix: Solid
Dilution: 2.0
Analysis Date: 07/21/2017 1938
Prep Date: 07/21/2017 0142
Leach Date: N/A

Analysis Batch: 460-451147
Prep Batch: 460-450891
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 450891.asc
Initial Weight/Volume: 1.00 g
Final Weight/Volume: 50 mL

Analyte	Result	Qual	MDL	RL
Silver	1.0	U	0.15	1.0
Aluminum	20.0	U	4.1	20.0
Arsenic	1.5	U	0.37	1.5
Barium	20.0	U	1.6	20.0
Beryllium	0.20	U	0.023	0.20
Calcium	500	U	51.0	500
Cadmium	0.40	U	0.060	0.40
Cobalt	5.0	U	0.57	5.0
Chromium	1.0	U	0.28	1.0
Copper	2.5	U	0.57	2.5
Iron	15.0	U	2.7	15.0
Potassium	500	U	26.6	500
Magnesium	500	U	38.6	500
Manganese	1.5	U	0.16	1.5
Sodium	500	U	38.5	500
Nickel	4.0	U	0.38	4.0
Lead	1.0	U	0.30	1.0
Antimony	2.0	U	0.24	2.0
Selenium	2.0	U	0.61	2.0
Thallium	2.0	U	0.59	2.0
Vanadium	5.0	U	0.60	5.0
Zinc	3.0	U	0.26	3.0

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

LCS-Certified Reference Material - Batch: 460-450891

Method: 6010C

Preparation: 3050B

Lab Sample ID: LCSSRM 460-450891/2-~~A~~ Analysis Batch: 460-451147
 Client Matrix: Solid Prep Batch: 460-450891
 Dilution: 4.0 Leach Batch: N/A
 Analysis Date: 07/21/2017 1942 Units: mg/Kg
 Prep Date: 07/21/2017 0142
 Leach Date: N/A

Instrument ID: ICP4
 Lab File ID: 450891.asc
 Initial Weight/Volume: 1.02 g
 Final Weight/Volume: 50 mL

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Silver	40.7	39.51	97.1	79.6 - 120.4	
Aluminum	8000	7424	92.8	47.4 - 152.5	
Arsenic	147	145.4	98.9	83.0 - 117.0	
Barium	314	333.9	106.3	82.2 - 117.8	
Beryllium	53.4	60.39	113.1	82.8 - 117.2	
Calcium	4580	4708	102.8	80.8 - 119.0	
Cadmium	193	206.7	107.1	82.4 - 117.6	
Cobalt	81.3	92.22	113.4	83.4 - 116.6	
Chromium	82.6	85.18	103.1	81.8 - 118.2	
Copper	171	172.2	100.7	83.6 - 116.4	
Iron	14100	13050	92.6	60.4 - 139.7	
Potassium	2000	1912	95.6	69.5 - 130.5	
Magnesium	2240	2129	95.1	75.4 - 125.0	
Manganese	222	254.9	114.8	82.0 - 118.0	
Sodium	216	202.4	93.7	72.2 - 127.8	J
Nickel	137	154.8	113.0	82.5 - 118.2	
Lead	92.3	98.35	106.6	82.8 - 117.0	
Antimony	65.1	40.78	62.6	0.2 - 212.0	
Selenium	187	192.6	103.0	79.1 - 121.4	
Thallium	153	179.5	117.3	81.0 - 119.0	
Vanadium	86.6	89.41	103.2	77.6 - 122.4	
Zinc	189	209.0	110.6	79.9 - 120.1	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Matrix Spike - Batch: 460-450891

Method: 6010C

Preparation: 3050B

Lab Sample ID: 460-137542-E-8-C MS
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 07/21/2017 1958
Prep Date: 07/21/2017 0142
Leach Date: N/A

Analysis Batch: 460-451147
Prep Batch: 460-450891
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 450891.asc
Initial Weight/Volume: 1.02 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Spike Amount	Result	% Rec.	Limit	Qual
Silver	2.0	U	5.05	3.85	76	75 - 125	
Aluminum	6690		202	7297	1954	75 - 125	4
Arsenic	1.3	J	202	180.5	89	75 - 125	
Barium	52.8		202	246.1	109	75 - 125	
Beryllium	0.32	J	5.05	5.17	99	75 - 125	
Calcium	490	J	2020	2509	112	75 - 125	
Cadmium	0.81	U	5.05	4.58	91	75 - 125	
Cobalt	6.7	J	50.5	53.44	99	75 - 125	
Chromium	23.6		20.2	46.91	174	75 - 125	N
Copper	13.5		25.3	39.39	129	75 - 125	N
Iron	19900		101	15030	5022	75 - 125	4
Potassium	1050		2020	2851	115	75 - 125	
Magnesium	1530		2020	3110	116	75 - 125	
Manganese	462		50.5	378.5	292	75 - 125	4
Sodium	106	J	2020	1952	94	75 - 125	
Nickel	28.3		50.5	75.11	121	75 - 125	
Lead	3.4		50.5	51.31	98	75 - 125	
Antimony	4.0	U	50.5	22.48	44	75 - 125	N
Selenium	4.0	U	202	178.5	88	75 - 125	
Thallium	4.0	U	202	200.0	99	75 - 125	
Vanadium	31.6		50.5	71.09	109	75 - 125	
Zinc	32.7		50.5	80.03	126	75 - 125	N

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Duplicate - Batch: 460-450891

Method: 6010C
Preparation: 3050B

Lab Sample ID: 460-137542-E-8-B DU
Client Matrix: Solid
Dilution: 4.0
Analysis Date: 07/21/2017 1946
Prep Date: 07/21/2017 0142
Leach Date: N/A

Analysis Batch: 460-451147
Prep Batch: 460-450891
Leach Batch: N/A
Units: mg/Kg

Instrument ID: ICP4
Lab File ID: 450891.asc
Initial Weight/Volume: 1.03 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Silver	2.0	U	2.0	NC	20	U
Aluminum	6690		6693	0	20	
Arsenic	1.3	J	1.97	39	20	J
Barium	52.8		52.40	0.8	20	
Beryllium	0.32	J	0.314	0.9	20	J
Calcium	490	J	490.3	0.05	20	J
Cadmium	0.81	U	0.80	NC	20	U
Cobalt	6.7	J	6.51	2	20	J
Chromium	23.6		23.39	1	20	
Copper	13.5		13.42	0.8	20	
Iron	19900		19970	0.3	20	
Potassium	1050		1048	0.2	20	
Magnesium	1530		1507	1	20	
Manganese	462		460.7	0.3	20	
Sodium	106	J	105.7	0.1	20	J
Nickel	28.3		28.29	0.09	20	
Lead	3.4		3.35	1	20	
Antimony	4.0	U	4.0	NC	20	U
Selenium	4.0	U	4.0	NC	20	U
Thallium	4.0	U	4.0	NC	20	U
Vanadium	31.6		31.09	2	20	
Zinc	32.7		32.42	0.7	20	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451910

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-451910/1-A	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451910	Lab File ID:	451909HG1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	07/26/2017 0849	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0417				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.011	0.017

LCS-Certified Reference Material - Batch: 460-451910

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-451910/2-A	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451910	Lab File ID:	451909HG1.CSV
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	07/26/2017 0850	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0417				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	17.8	18.26	102.6	66.9 - 133.1	

Matrix Spike - Batch: 460-451910

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-137536-A-1-F MS	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451910	Lab File ID:	451909HG1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.62 g
Analysis Date:	07/26/2017 0859	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0417				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.018 U	0.0881	0.100	114	75 - 125	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Duplicate - Batch: 460-451910

Method: 7471B

Preparation: 7471B

Lab Sample ID: 460-137536-A-1-E DU
Client Matrix: Solid
Dilution: 1.0
Analysis Date: 07/26/2017 0857
Prep Date: 07/26/2017 0417
Leach Date: N/A

Analysis Batch: 460-451990
Prep Batch: 460-451910
Leach Batch: N/A
Units: mg/Kg

Instrument ID: LEEMAN7
Lab File ID: 451909HG1.CSV
Initial Weight/Volume: 0.62 g
Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.018	U	0.018	NC	20	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Method Blank - Batch: 460-451918

Method: 7471B
Preparation: 7471B

Lab Sample ID:	MB 460-451918/1-A	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451918	Lab File ID:	451909HG1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	07/26/2017 0942	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0448				
Leach Date:	N/A				

Analyte	Result	Qual	MDL	RL
Mercury	0.017	U	0.011	0.017

LCS-Certified Reference Material - Batch: 460-451918

Method: 7471B
Preparation: 7471B

Lab Sample ID:	LCSSRM 460-451918/2-1	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451918	Lab File ID:	451909HG1.CSV
Dilution:	40	Leach Batch:	N/A	Initial Weight/Volume:	0.60 g
Analysis Date:	07/26/2017 0944	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0448				
Leach Date:	N/A				

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	17.8	18.56	104.3	66.9 - 133.1	

Matrix Spike - Batch: 460-451918

Method: 7471B
Preparation: 7471B

Lab Sample ID:	460-137545-7	Analysis Batch:	460-451990	Instrument ID:	LEEMAN7
Client Matrix:	Solid	Prep Batch:	460-451918	Lab File ID:	451909HG1.CSV
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	0.65 g
Analysis Date:	07/26/2017 0949	Units:	mg/Kg	Final Weight/Volume:	50 mL
Prep Date:	07/26/2017 0448				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Spike Amount	Result	% Rec.	Limit	Qual
Mercury	0.018 U	0.0894	0.103	116	75 - 125	

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Duplicate - Batch: 460-451918

Method: 7471B

Preparation: 7471B

Lab Sample ID: 460-137545-7

Client Matrix: Solid

Dilution: 1.0

Analysis Date: 07/26/2017 0947

Prep Date: 07/26/2017 0448

Leach Date: N/A

Analysis Batch: 460-451990

Prep Batch: 460-451918

Leach Batch: N/A

Units: mg/Kg

Instrument ID: LEEMAN7

Lab File ID: 451909HG1.CSV

Initial Weight/Volume: 0.65 g

Final Weight/Volume: 50 mL

Analyte	Sample Result/Qual		Result	RPD	Limit	Qual
Mercury	0.018	U	0.018	NC	20	U

Quality Control Results

Client: AKRF Inc

Job Number: 460-137545-1

Duplicate - Batch: 460-451737

Method: Moisture Preparation: N/A

Lab Sample ID:	460-137545-8	Analysis Batch:	460-451737	Instrument ID:	No Equipment Assigned
Client Matrix:	Solid	Prep Batch:	N/A	Lab File ID:	N/A
Dilution:	1.0	Leach Batch:	N/A	Initial Weight/Volume:	
Analysis Date:	07/25/2017 1126	Units:	%	Final Weight/Volume:	
Prep Date:	N/A				
Leach Date:	N/A				

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Moisture	8.5	9.7	13	20	
Percent Solids	91.5	90.3	1	20	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUI:

460-137545 Chain of Custody



777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

Page 1 of 2

Name (for report and invoice) State Grns		Samplers Name (Printed) State Schmid		City/State/County Brockfield	
Company AKRF		P.O. # 170131		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 440 Park Ave S.		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program: ☐ Other: ☐	
City NY		State NY		LAB USE ONLY Project No:	
Phone 203-810-6573		Fax 203-810-6573		Job No: 137545	
Sample Identification	Date	Time	Matrix	No. of Cont.	ANALYSIS REQUESTED (ENTER X BELOW TO INDICATE REQUEST)
SB-4 (8-10)	7/24/17	1410	soil	5	X VOC X PAH X PCBs X
SB-5 (8-10)		1340		5	X X X X
SB-6 (8-10)		1325		5	X X X X
SB-2 (2-4)		1210		5	X X X X
SB-2 (8-10)		125		5	X X X X
SB-1 (8-10)		1040		5	X X X X
SB-3 (8-10)		1135		5	X X X X
SB-1 (1-3)		1045		5	X X X X
SHORT HOLD					
Preservation Used: 1 = ICE, 2 = DCL, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH					
6 = Other _____, 7 = Other _____					
Soil: _____ Water: _____					
Special Instructions: Cat A					
Relinquished by	Company	Date / Time	Received by	Company	Water Metals Filtered (Yes/No)?
AKRF	AKRF	7/24/17 1633	1) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	2) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	3) Vray Mansueto Accurate Locust	AKRF	
Relinquished by	Company	Date / Time	Received by	Company	
AKRF	AKRF	7/24/17 2000	4) Vray Mansueto Accurate Locust	AKRF	

460°C
JDK

TestAmerica

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

THE LEADER IN ENVIRONMENTAL TESTING

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 2 of 2

Name (for report and invoice) Steve Greens		Samplers Name (Printed) Stephen Scand		Site/Project Identification Brookfield	
Company ALICE		P.O. # 170131		State (Location of site): NJ: ☐ NY: ☒ Other: ☐	
Address 440 Park Ave South		Analysis Turnaround Time Standard ☒ Rush Charges Authorized For: 2 Week ☐ 1 Week ☐ Other ☐		Regulatory Program:	
City NY State NY		Phone 203-810-6513 Fax 203-810-6513		LAB USE ONLY Job No: 137545 Project No:	
Sample Identification	Date	Time	Matrix	No. of Cont.	
TW-2	7/10/17	1330	water	45	9
TW-3		1355		45	10
TW-5		1520		5	11
TW-1		1130		5	12
TB				2	13
Preservation Used: 1 = ICE, 2 = HCl, 3 = H ₂ SO ₄ , 4 = HNO ₃ , 5 = NaOH 6 = Other _____, 7 = Other _____					
Soil: _____ Water: _____					

Special Instructions Cat A		Water Metals Filtered (Yes/No)?	
Relinquished by [Signature]	Company ALICE	Date / Time 7/12/17 1633	Received by WILLIAM M. STRONG
Relinquished by VIORAL M. GONZALEZ	Company Accurate Locality	Date / Time 7/10/17 2000	Received by [Signature]
Relinquished by	Company	Date / Time	Received by
Relinquished by	Company	Date / Time	Received by
Relinquished by	Company	Date / Time	Received by

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132).
Massachusetts (M-NJ312), North Carolina (No. 578)

15748

11

1

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-137545-1

Login Number: 137545

List Source: TestAmerica Edison

List Number: 1

Creator: Rivera, Kenneth

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	4.6°C, IR #8
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	False	See NCM
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	No analysis requiring residual chlorine check assigned.

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

Tel: (802)660-1990

TestAmerica Job ID: 200-39428-1

TestAmerica Sample Delivery Group: 200-39428-1

Client Project/Site: Brookfield

For:

AKRF Inc

34 South Broadway

Suite 314

White Plains, New York 10601

Attn: Stephen Grens



Authorized for release by:

7/31/2017 6:10:16 PM

Kristine Dusablon, Project Manager II

(802)660-1990

kris.dusablon@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	9
QC Sample Results	27
QC Association Summary	40
Lab Chronicle	41
Certification Summary	42
Method Summary	43
Sample Summary	44
Canister QC Documents	45
Chain of Custody	46
Receipt Checklists	48
Clean Canister Certification	49
Pre-Ship Certification	49
Clean Canister Data	52



Definitions/Glossary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.
*	LCS or LCSD is outside acceptance limits.

Air - GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Job ID: 200-39428-1

Laboratory: TestAmerica Burlington

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: Brookfield

Report Number: 200-39428-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/24/2017; the samples arrived in good condition.

VOLATILE ORGANIC COMPOUNDS

Samples SV-2, SV-3, SV-1, AA-1 and SV-5 were analyzed for Volatile Organic Compounds in accordance with EPA Method TO-15. The samples were analyzed on 07/25/2017 and 07/26/2017.

Samples SV-2[2X], SV-3[2X], SV-1[2X] and SV-5[4X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The laboratory control sample (LCS) for analytical batch 200-118877 recovered outside control limits for n-Butane. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported. Refer to the QC report for details.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Lab Sample ID: 200-39428-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	1.1		1.0		ppb v/v	2		TO-15	Total/NA
n-Butane	19		1.0		ppb v/v	2		TO-15	Total/NA
1,3-Butadiene	0.95		0.40		ppb v/v	2		TO-15	Total/NA
Acetone	30		10		ppb v/v	2		TO-15	Total/NA
Carbon disulfide	3.1		1.0		ppb v/v	2		TO-15	Total/NA
Methylene Chloride	1.9		1.0		ppb v/v	2		TO-15	Total/NA
n-Hexane	3.7		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	49		1.0		ppb v/v	2		TO-15	Total/NA
Cyclohexane	0.76		0.40		ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane	0.80		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	1.2		0.40		ppb v/v	2		TO-15	Total/NA
methyl isobutyl ketone	2.0		1.0		ppb v/v	2		TO-15	Total/NA
Toluene	31		0.40		ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	0.67		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	6.8		1.0		ppb v/v	2		TO-15	Total/NA
m,p-Xylene	20		1.0		ppb v/v	2		TO-15	Total/NA
Xylene, o-	7.9		0.40		ppb v/v	2		TO-15	Total/NA
Xylene (total)	28		1.4		ppb v/v	2		TO-15	Total/NA
Styrene	0.60		0.40		ppb v/v	2		TO-15	Total/NA
4-Ethyltoluene	3.7		0.40		ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.6		0.40		ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	13		0.40		ppb v/v	2		TO-15	Total/NA
sec-Butylbenzene	0.46		0.40		ppb v/v	2		TO-15	Total/NA
4-Isopropyltoluene	1.6		0.40		ppb v/v	2		TO-15	Total/NA
n-Butylbenzene	1.6		0.40		ppb v/v	2		TO-15	Total/NA
Naphthalene	16		1.0		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	5.5		4.9		ug/m3	2		TO-15	Total/NA
n-Butane	45		2.4		ug/m3	2		TO-15	Total/NA
1,3-Butadiene	2.1		0.88		ug/m3	2		TO-15	Total/NA
Acetone	72		24		ug/m3	2		TO-15	Total/NA
Carbon disulfide	9.7		3.1		ug/m3	2		TO-15	Total/NA
Methylene Chloride	6.5		3.5		ug/m3	2		TO-15	Total/NA
n-Hexane	13		1.4		ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	140		2.9		ug/m3	2		TO-15	Total/NA
Cyclohexane	2.6		1.4		ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane	3.7		1.9		ug/m3	2		TO-15	Total/NA
Benzene	3.9		1.3		ug/m3	2		TO-15	Total/NA
methyl isobutyl ketone	8.4		4.1		ug/m3	2		TO-15	Total/NA
Toluene	120		1.5		ug/m3	2		TO-15	Total/NA
Tetrachloroethene	4.5		2.7		ug/m3	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	28		4.1		ug/m3	2		TO-15	Total/NA
m,p-Xylene	85		4.3		ug/m3	2		TO-15	Total/NA
Xylene, o-	34		1.7		ug/m3	2		TO-15	Total/NA
Xylene (total)	120		6.1		ug/m3	2		TO-15	Total/NA
Styrene	2.5		1.7		ug/m3	2		TO-15	Total/NA
4-Ethyltoluene	18		2.0		ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	18		2.0		ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	65		2.0		ug/m3	2		TO-15	Total/NA
sec-Butylbenzene	2.5		2.2		ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Detection Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2 (Continued)

Lab Sample ID: 200-39428-1

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
4-Isopropyltoluene	9.0		2.2		ug/m3	2		TO-15	Total/NA
n-Butylbenzene	8.7		2.2		ug/m3	2		TO-15	Total/NA
Naphthalene	84		5.2		ug/m3	2		TO-15	Total/NA

Client Sample ID: SV-3

Lab Sample ID: 200-39428-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	1.4		1.0		ppb v/v	2		TO-15	Total/NA
Acetone	17		10		ppb v/v	2		TO-15	Total/NA
n-Hexane	1.0		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	49		1.0		ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane	0.44		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	0.55		0.40		ppb v/v	2		TO-15	Total/NA
Toluene	19		0.40		ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	1.1		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	4.9		1.0		ppb v/v	2		TO-15	Total/NA
Ethylbenzene	3.7		0.40		ppb v/v	2		TO-15	Total/NA
m,p-Xylene	14		1.0		ppb v/v	2		TO-15	Total/NA
Xylene, o-	6.1		0.40		ppb v/v	2		TO-15	Total/NA
Xylene (total)	20		1.4		ppb v/v	2		TO-15	Total/NA
4-Ethyltoluene	2.8		0.40		ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	2.8		0.40		ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	10		0.40		ppb v/v	2		TO-15	Total/NA
4-Isopropyltoluene	0.46		0.40		ppb v/v	2		TO-15	Total/NA
n-Butylbenzene	1.3		0.40		ppb v/v	2		TO-15	Total/NA
Naphthalene	11		1.0		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	3.4		2.4		ug/m3	2		TO-15	Total/NA
Acetone	40		24		ug/m3	2		TO-15	Total/NA
n-Hexane	3.5		1.4		ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	140		2.9		ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane	2.1		1.9		ug/m3	2		TO-15	Total/NA
Benzene	1.8		1.3		ug/m3	2		TO-15	Total/NA
Toluene	73		1.5		ug/m3	2		TO-15	Total/NA
Tetrachloroethene	7.2		2.7		ug/m3	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	20		4.1		ug/m3	2		TO-15	Total/NA
Ethylbenzene	16		1.7		ug/m3	2		TO-15	Total/NA
m,p-Xylene	62		4.3		ug/m3	2		TO-15	Total/NA
Xylene, o-	27		1.7		ug/m3	2		TO-15	Total/NA
Xylene (total)	87		6.1		ug/m3	2		TO-15	Total/NA
4-Ethyltoluene	14		2.0		ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	14		2.0		ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	51		2.0		ug/m3	2		TO-15	Total/NA
4-Isopropyltoluene	2.5		2.2		ug/m3	2		TO-15	Total/NA
n-Butylbenzene	6.9		2.2		ug/m3	2		TO-15	Total/NA
Naphthalene	56		5.2		ug/m3	2		TO-15	Total/NA

Client Sample ID: SV-1

Lab Sample ID: 200-39428-3

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Detection Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-1 (Continued)

Lab Sample ID: 200-39428-3

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	5.5		1.0		ppb v/v	2		TO-15	Total/NA
1,3-Butadiene	0.95		0.40		ppb v/v	2		TO-15	Total/NA
Acetone	21		10		ppb v/v	2		TO-15	Total/NA
Carbon disulfide	1.7		1.0		ppb v/v	2		TO-15	Total/NA
n-Hexane	5.6		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Ethyl Ketone	25		1.0		ppb v/v	2		TO-15	Total/NA
Cyclohexane	0.62		0.40		ppb v/v	2		TO-15	Total/NA
2,2,4-Trimethylpentane	0.62		0.40		ppb v/v	2		TO-15	Total/NA
Benzene	1.1		0.40		ppb v/v	2		TO-15	Total/NA
n-Heptane	1.5		0.40		ppb v/v	2		TO-15	Total/NA
methyl isobutyl ketone	1.3		1.0		ppb v/v	2		TO-15	Total/NA
Toluene	47		0.40		ppb v/v	2		TO-15	Total/NA
Tetrachloroethene	12		0.40		ppb v/v	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	3.9		1.0		ppb v/v	2		TO-15	Total/NA
m,p-Xylene	17		1.0		ppb v/v	2		TO-15	Total/NA
Xylene, o-	6.9		0.40		ppb v/v	2		TO-15	Total/NA
Xylene (total)	24		1.4		ppb v/v	2		TO-15	Total/NA
Styrene	0.46		0.40		ppb v/v	2		TO-15	Total/NA
4-Ethyltoluene	2.7		0.40		ppb v/v	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	3.7		0.40		ppb v/v	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	11		0.40		ppb v/v	2		TO-15	Total/NA
4-Isopropyltoluene	0.54		0.40		ppb v/v	2		TO-15	Total/NA
n-Butylbenzene	1.1		0.40		ppb v/v	2		TO-15	Total/NA
Naphthalene	9.4		1.0		ppb v/v	2		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	13		2.4		ug/m3	2		TO-15	Total/NA
1,3-Butadiene	2.1		0.88		ug/m3	2		TO-15	Total/NA
Acetone	49		24		ug/m3	2		TO-15	Total/NA
Carbon disulfide	5.2		3.1		ug/m3	2		TO-15	Total/NA
n-Hexane	20		1.4		ug/m3	2		TO-15	Total/NA
Methyl Ethyl Ketone	74		2.9		ug/m3	2		TO-15	Total/NA
Cyclohexane	2.1		1.4		ug/m3	2		TO-15	Total/NA
2,2,4-Trimethylpentane	2.9		1.9		ug/m3	2		TO-15	Total/NA
Benzene	3.5		1.3		ug/m3	2		TO-15	Total/NA
n-Heptane	6.3		1.6		ug/m3	2		TO-15	Total/NA
methyl isobutyl ketone	5.4		4.1		ug/m3	2		TO-15	Total/NA
Toluene	180		1.5		ug/m3	2		TO-15	Total/NA
Tetrachloroethene	80		2.7		ug/m3	2		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	16		4.1		ug/m3	2		TO-15	Total/NA
m,p-Xylene	73		4.3		ug/m3	2		TO-15	Total/NA
Xylene, o-	30		1.7		ug/m3	2		TO-15	Total/NA
Xylene (total)	100		6.1		ug/m3	2		TO-15	Total/NA
Styrene	2.0		1.7		ug/m3	2		TO-15	Total/NA
4-Ethyltoluene	13		2.0		ug/m3	2		TO-15	Total/NA
1,3,5-Trimethylbenzene	18		2.0		ug/m3	2		TO-15	Total/NA
1,2,4-Trimethylbenzene	52		2.0		ug/m3	2		TO-15	Total/NA
4-Isopropyltoluene	3.0		2.2		ug/m3	2		TO-15	Total/NA
n-Butylbenzene	6.3		2.2		ug/m3	2		TO-15	Total/NA
Naphthalene	49		5.2		ug/m3	2		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Detection Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: AA-1

Lab Sample ID: 200-39428-4

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.0		5.0		ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone	0.95		0.50		ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.052		0.040		ppb v/v	1		TO-15	Total/NA
Toluene	0.25		0.20		ppb v/v	1		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Acetone	17		12		ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone	2.8		1.5		ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.32		0.25		ug/m3	1		TO-15	Total/NA
Toluene	0.96		0.75		ug/m3	1		TO-15	Total/NA

Client Sample ID: SV-5

Lab Sample ID: 200-39428-5

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	7.0		2.0		ppb v/v	4		TO-15	Total/NA
1,3-Butadiene	2.4		0.80		ppb v/v	4		TO-15	Total/NA
Acetone	24		20		ppb v/v	4		TO-15	Total/NA
Carbon disulfide	2.6		2.0		ppb v/v	4		TO-15	Total/NA
n-Hexane	1.2		0.80		ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone	77		2.0		ppb v/v	4		TO-15	Total/NA
Toluene	17		0.80		ppb v/v	4		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	5.5		2.0		ppb v/v	4		TO-15	Total/NA
Ethylbenzene	2.9		0.80		ppb v/v	4		TO-15	Total/NA
m,p-Xylene	11		2.0		ppb v/v	4		TO-15	Total/NA
Xylene, o-	4.4		0.80		ppb v/v	4		TO-15	Total/NA
Xylene (total)	15		2.8		ppb v/v	4		TO-15	Total/NA
n-Propylbenzene	1.2		0.80		ppb v/v	4		TO-15	Total/NA
4-Ethyltoluene	1.9		0.80		ppb v/v	4		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.9		0.80		ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene	7.4		0.80		ppb v/v	4		TO-15	Total/NA
n-Butylbenzene	0.83		0.80		ppb v/v	4		TO-15	Total/NA
Naphthalene	9.5		2.0		ppb v/v	4		TO-15	Total/NA
Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	17		4.8		ug/m3	4		TO-15	Total/NA
1,3-Butadiene	5.3		1.8		ug/m3	4		TO-15	Total/NA
Acetone	57		48		ug/m3	4		TO-15	Total/NA
Carbon disulfide	8.2		6.2		ug/m3	4		TO-15	Total/NA
n-Hexane	4.1		2.8		ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone	230		5.9		ug/m3	4		TO-15	Total/NA
Toluene	62		3.0		ug/m3	4		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	23		8.2		ug/m3	4		TO-15	Total/NA
Ethylbenzene	13		3.5		ug/m3	4		TO-15	Total/NA
m,p-Xylene	47		8.7		ug/m3	4		TO-15	Total/NA
Xylene, o-	19		3.5		ug/m3	4		TO-15	Total/NA
Xylene (total)	67		12		ug/m3	4		TO-15	Total/NA
n-Propylbenzene	6.0		3.9		ug/m3	4		TO-15	Total/NA
4-Ethyltoluene	9.5		3.9		ug/m3	4		TO-15	Total/NA
1,3,5-Trimethylbenzene	9.4		3.9		ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene	36		3.9		ug/m3	4		TO-15	Total/NA
n-Butylbenzene	4.5		4.4		ug/m3	4		TO-15	Total/NA
Naphthalene	50		10		ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Date Collected: 07/20/17 14:55

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-1

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.1		1.0		ppb v/v			07/26/17 13:57	2
Freon 22	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
1,2-Dichlorotetrafluoroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Chloromethane	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
n-Butane	19		1.0		ppb v/v			07/26/17 13:57	2
Vinyl chloride	0.080	U	0.080		ppb v/v			07/26/17 13:57	2
1,3-Butadiene	0.95		0.40		ppb v/v			07/26/17 13:57	2
Bromomethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Chloroethane	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
Bromoethene(Vinyl Bromide)	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Trichlorofluoromethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Freon TF	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,1-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Acetone	30		10		ppb v/v			07/26/17 13:57	2
Isopropyl alcohol	10	U	10		ppb v/v			07/26/17 13:57	2
Carbon disulfide	3.1		1.0		ppb v/v			07/26/17 13:57	2
3-Chloropropene	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
Methylene Chloride	1.9		1.0		ppb v/v			07/26/17 13:57	2
tert-Butyl alcohol	10	U	10		ppb v/v			07/26/17 13:57	2
Methyl tert-butyl ether	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
trans-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
n-Hexane	3.7		0.40		ppb v/v			07/26/17 13:57	2
1,1-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Methyl Ethyl Ketone	49		1.0		ppb v/v			07/26/17 13:57	2
cis-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,2-Dichloroethene, Total	0.80	U	0.80		ppb v/v			07/26/17 13:57	2
Chloroform	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Tetrahydrofuran	10	U	10		ppb v/v			07/26/17 13:57	2
1,1,1-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Cyclohexane	0.76		0.40		ppb v/v			07/26/17 13:57	2
Carbon tetrachloride	0.080	U	0.080		ppb v/v			07/26/17 13:57	2
2,2,4-Trimethylpentane	0.80		0.40		ppb v/v			07/26/17 13:57	2
Benzene	1.2		0.40		ppb v/v			07/26/17 13:57	2
1,2-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
n-Heptane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Trichloroethene	0.080	U	0.080		ppb v/v			07/26/17 13:57	2
Methyl methacrylate	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
1,2-Dichloropropane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,4-Dioxane	10	U	10		ppb v/v			07/26/17 13:57	2
Bromodichloromethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
cis-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
methyl isobutyl ketone	2.0		1.0		ppb v/v			07/26/17 13:57	2
Toluene	31		0.40		ppb v/v			07/26/17 13:57	2
trans-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,1,2-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Tetrachloroethene	0.67		0.40		ppb v/v			07/26/17 13:57	2
Methyl Butyl Ketone (2-Hexanone)	6.8		1.0		ppb v/v			07/26/17 13:57	2
Dibromochloromethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Lab Sample ID: 200-39428-1

Date Collected: 07/20/17 14:55

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Chlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Ethylbenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
m,p-Xylene	20		1.0		ppb v/v			07/26/17 13:57	2
Xylene, o-	7.9		0.40		ppb v/v			07/26/17 13:57	2
Xylene (total)	28		1.4		ppb v/v			07/26/17 13:57	2
Styrene	0.60		0.40		ppb v/v			07/26/17 13:57	2
Bromoform	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Cumene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,1,2,2-Tetrachloroethane	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
n-Propylbenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
4-Ethyltoluene	3.7		0.40		ppb v/v			07/26/17 13:57	2
1,3,5-Trimethylbenzene	3.6		0.40		ppb v/v			07/26/17 13:57	2
2-Chlorotoluene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
tert-Butylbenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,2,4-Trimethylbenzene	13		0.40		ppb v/v			07/26/17 13:57	2
sec-Butylbenzene	0.46		0.40		ppb v/v			07/26/17 13:57	2
4-Isopropyltoluene	1.6		0.40		ppb v/v			07/26/17 13:57	2
1,3-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,4-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Benzyl chloride	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
n-Butylbenzene	1.6		0.40		ppb v/v			07/26/17 13:57	2
1,2-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
1,2,4-Trichlorobenzene	1.0	U	1.0		ppb v/v			07/26/17 13:57	2
Hexachlorobutadiene	0.40	U	0.40		ppb v/v			07/26/17 13:57	2
Naphthalene	16		1.0		ppb v/v			07/26/17 13:57	2
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	5.5		4.9		ug/m3			07/26/17 13:57	2
Freon 22	3.5	U	3.5		ug/m3			07/26/17 13:57	2
1,2-Dichlorotetrafluoroethane	2.8	U	2.8		ug/m3			07/26/17 13:57	2
Chloromethane	2.1	U	2.1		ug/m3			07/26/17 13:57	2
n-Butane	45		2.4		ug/m3			07/26/17 13:57	2
Vinyl chloride	0.20	U	0.20		ug/m3			07/26/17 13:57	2
1,3-Butadiene	2.1		0.88		ug/m3			07/26/17 13:57	2
Bromomethane	1.6	U	1.6		ug/m3			07/26/17 13:57	2
Chloroethane	2.6	U	2.6		ug/m3			07/26/17 13:57	2
Bromoethene(Vinyl Bromide)	1.7	U	1.7		ug/m3			07/26/17 13:57	2
Trichlorofluoromethane	2.2	U	2.2		ug/m3			07/26/17 13:57	2
Freon TF	3.1	U	3.1		ug/m3			07/26/17 13:57	2
1,1-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 13:57	2
Acetone	72		24		ug/m3			07/26/17 13:57	2
Isopropyl alcohol	25	U	25		ug/m3			07/26/17 13:57	2
Carbon disulfide	9.7		3.1		ug/m3			07/26/17 13:57	2
3-Chloropropene	3.1	U	3.1		ug/m3			07/26/17 13:57	2
Methylene Chloride	6.5		3.5		ug/m3			07/26/17 13:57	2
tert-Butyl alcohol	30	U	30		ug/m3			07/26/17 13:57	2
Methyl tert-butyl ether	1.4	U	1.4		ug/m3			07/26/17 13:57	2
trans-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 13:57	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Lab Sample ID: 200-39428-1

Date Collected: 07/20/17 14:55

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	13		1.4		ug/m3			07/26/17 13:57	2
1,1-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 13:57	2
Methyl Ethyl Ketone	140		2.9		ug/m3			07/26/17 13:57	2
cis-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 13:57	2
1,2-Dichloroethene, Total	3.2	U	3.2		ug/m3			07/26/17 13:57	2
Chloroform	2.0	U	2.0		ug/m3			07/26/17 13:57	2
Tetrahydrofuran	29	U	29		ug/m3			07/26/17 13:57	2
1,1,1-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 13:57	2
Cyclohexane	2.6		1.4		ug/m3			07/26/17 13:57	2
Carbon tetrachloride	0.50	U	0.50		ug/m3			07/26/17 13:57	2
2,2,4-Trimethylpentane	3.7		1.9		ug/m3			07/26/17 13:57	2
Benzene	3.9		1.3		ug/m3			07/26/17 13:57	2
1,2-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 13:57	2
n-Heptane	1.6	U	1.6		ug/m3			07/26/17 13:57	2
Trichloroethene	0.43	U	0.43		ug/m3			07/26/17 13:57	2
Methyl methacrylate	4.1	U	4.1		ug/m3			07/26/17 13:57	2
1,2-Dichloropropane	1.8	U	1.8		ug/m3			07/26/17 13:57	2
1,4-Dioxane	36	U	36		ug/m3			07/26/17 13:57	2
Bromodichloromethane	2.7	U	2.7		ug/m3			07/26/17 13:57	2
cis-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 13:57	2
methyl isobutyl ketone	8.4		4.1		ug/m3			07/26/17 13:57	2
Toluene	120		1.5		ug/m3			07/26/17 13:57	2
trans-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 13:57	2
1,1,2-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 13:57	2
Tetrachloroethene	4.5		2.7		ug/m3			07/26/17 13:57	2
Methyl Butyl Ketone (2-Hexanone)	28		4.1		ug/m3			07/26/17 13:57	2
Dibromochloromethane	3.4	U	3.4		ug/m3			07/26/17 13:57	2
1,2-Dibromoethane	3.1	U	3.1		ug/m3			07/26/17 13:57	2
Chlorobenzene	1.8	U	1.8		ug/m3			07/26/17 13:57	2
Ethylbenzene	1.7	U	1.7		ug/m3			07/26/17 13:57	2
m,p-Xylene	85		4.3		ug/m3			07/26/17 13:57	2
Xylene, o-	34		1.7		ug/m3			07/26/17 13:57	2
Xylene (total)	120		6.1		ug/m3			07/26/17 13:57	2
Styrene	2.5		1.7		ug/m3			07/26/17 13:57	2
Bromoform	4.1	U	4.1		ug/m3			07/26/17 13:57	2
Cumene	2.0	U	2.0		ug/m3			07/26/17 13:57	2
1,1,2,2-Tetrachloroethane	2.7	U	2.7		ug/m3			07/26/17 13:57	2
n-Propylbenzene	2.0	U	2.0		ug/m3			07/26/17 13:57	2
4-Ethyltoluene	18		2.0		ug/m3			07/26/17 13:57	2
1,3,5-Trimethylbenzene	18		2.0		ug/m3			07/26/17 13:57	2
2-Chlorotoluene	2.1	U	2.1		ug/m3			07/26/17 13:57	2
tert-Butylbenzene	2.2	U	2.2		ug/m3			07/26/17 13:57	2
1,2,4-Trimethylbenzene	65		2.0		ug/m3			07/26/17 13:57	2
sec-Butylbenzene	2.5		2.2		ug/m3			07/26/17 13:57	2
4-Isopropyltoluene	9.0		2.2		ug/m3			07/26/17 13:57	2
1,3-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 13:57	2
1,4-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 13:57	2
Benzyl chloride	2.1	U	2.1		ug/m3			07/26/17 13:57	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Lab Sample ID: 200-39428-1

Date Collected: 07/20/17 14:55

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	8.7		2.2		ug/m3			07/26/17 13:57	2
1,2-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 13:57	2
1,2,4-Trichlorobenzene	7.4	U	7.4		ug/m3			07/26/17 13:57	2
Hexachlorobutadiene	4.3	U	4.3		ug/m3			07/26/17 13:57	2
Naphthalene	84		5.2		ug/m3			07/26/17 13:57	2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Propene	12	J N	ppb v/v		3.05	115-07-1		07/26/17 13:57	2
Unknown	21	J	ppb v/v		4.03			07/26/17 13:57	2
Cyclotrisiloxane, hexamethyl-	9.7	J N	ppb v/v		16.23	541-05-9		07/26/17 13:57	2
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	580	J N	ppb v/v		20.68	7785-70-8		07/26/17 13:57	2
.beta.-Pinene	8.9	J N	ppb v/v		21.94	127-91-3		07/26/17 13:57	2
Benzene, 1,2,3-trimethyl-	9.5	J N	ppb v/v		23.15	526-73-8		07/26/17 13:57	2
Unknown alkane	20	J	ppb v/v		24.03			07/26/17 13:57	2
Benzene, 1-ethyl-2,3-dimethyl-	10	J N	ppb v/v		24.09	933-98-2		07/26/17 13:57	2
Benzene, 1,2,4,5-tetramethyl-	8.5	J N	ppb v/v		24.80	95-93-2		07/26/17 13:57	2
Unknown alkane	13	J	ppb v/v		25.22			07/26/17 13:57	2

Client Sample ID: SV-3

Lab Sample ID: 200-39428-2

Date Collected: 07/20/17 14:27

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
Freon 22	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
1,2-Dichlorotetrafluoroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Chloromethane	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
n-Butane	1.4		1.0		ppb v/v			07/26/17 14:47	2
Vinyl chloride	0.080	U	0.080		ppb v/v			07/26/17 14:47	2
1,3-Butadiene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Bromomethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Chloroethane	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
Bromoethene(Vinyl Bromide)	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Trichlorofluoromethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Freon TF	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,1-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Acetone	17		10		ppb v/v			07/26/17 14:47	2
Isopropyl alcohol	10	U	10		ppb v/v			07/26/17 14:47	2
Carbon disulfide	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
3-Chloropropene	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
Methylene Chloride	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
tert-Butyl alcohol	10	U	10		ppb v/v			07/26/17 14:47	2
Methyl tert-butyl ether	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
trans-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
n-Hexane	1.0		0.40		ppb v/v			07/26/17 14:47	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-3

Lab Sample ID: 200-39428-2

Date Collected: 07/20/17 14:27

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Methyl Ethyl Ketone	49		1.0		ppb v/v			07/26/17 14:47	2
cis-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,2-Dichloroethene, Total	0.80	U	0.80		ppb v/v			07/26/17 14:47	2
Chloroform	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Tetrahydrofuran	10	U	10		ppb v/v			07/26/17 14:47	2
1,1,1-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Cyclohexane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Carbon tetrachloride	0.080	U	0.080		ppb v/v			07/26/17 14:47	2
2,2,4-Trimethylpentane	0.44		0.40		ppb v/v			07/26/17 14:47	2
Benzene	0.55		0.40		ppb v/v			07/26/17 14:47	2
1,2-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
n-Heptane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Trichloroethene	0.080	U	0.080		ppb v/v			07/26/17 14:47	2
Methyl methacrylate	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
1,2-Dichloropropane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,4-Dioxane	10	U	10		ppb v/v			07/26/17 14:47	2
Bromodichloromethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
cis-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
methyl isobutyl ketone	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
Toluene	19		0.40		ppb v/v			07/26/17 14:47	2
trans-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,1,2-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Tetrachloroethene	1.1		0.40		ppb v/v			07/26/17 14:47	2
Methyl Butyl Ketone (2-Hexanone)	4.9		1.0		ppb v/v			07/26/17 14:47	2
Dibromochloromethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,2-Dibromoethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Chlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Ethylbenzene	3.7		0.40		ppb v/v			07/26/17 14:47	2
m,p-Xylene	14		1.0		ppb v/v			07/26/17 14:47	2
Xylene, o-	6.1		0.40		ppb v/v			07/26/17 14:47	2
Xylene (total)	20		1.4		ppb v/v			07/26/17 14:47	2
Styrene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Bromoform	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Cumene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,1,2,2-Tetrachloroethane	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
n-Propylbenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
4-Ethyltoluene	2.8		0.40		ppb v/v			07/26/17 14:47	2
1,3,5-Trimethylbenzene	2.8		0.40		ppb v/v			07/26/17 14:47	2
2-Chlorotoluene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
tert-Butylbenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,2,4-Trimethylbenzene	10		0.40		ppb v/v			07/26/17 14:47	2
sec-Butylbenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
4-Isopropyltoluene	0.46		0.40		ppb v/v			07/26/17 14:47	2
1,3-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,4-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Benzyl chloride	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
n-Butylbenzene	1.3		0.40		ppb v/v			07/26/17 14:47	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-3

Lab Sample ID: 200-39428-2

Date Collected: 07/20/17 14:27

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
1,2,4-Trichlorobenzene	1.0	U	1.0		ppb v/v			07/26/17 14:47	2
Hexachlorobutadiene	0.40	U	0.40		ppb v/v			07/26/17 14:47	2
Naphthalene	11		1.0		ppb v/v			07/26/17 14:47	2
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.9	U	4.9		ug/m3			07/26/17 14:47	2
Freon 22	3.5	U	3.5		ug/m3			07/26/17 14:47	2
1,2-Dichlorotetrafluoroethane	2.8	U	2.8		ug/m3			07/26/17 14:47	2
Chloromethane	2.1	U	2.1		ug/m3			07/26/17 14:47	2
n-Butane	3.4		2.4		ug/m3			07/26/17 14:47	2
Vinyl chloride	0.20	U	0.20		ug/m3			07/26/17 14:47	2
1,3-Butadiene	0.88	U	0.88		ug/m3			07/26/17 14:47	2
Bromomethane	1.6	U	1.6		ug/m3			07/26/17 14:47	2
Chloroethane	2.6	U	2.6		ug/m3			07/26/17 14:47	2
Bromoethene(Vinyl Bromide)	1.7	U	1.7		ug/m3			07/26/17 14:47	2
Trichlorofluoromethane	2.2	U	2.2		ug/m3			07/26/17 14:47	2
Freon TF	3.1	U	3.1		ug/m3			07/26/17 14:47	2
1,1-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 14:47	2
Acetone	40		24		ug/m3			07/26/17 14:47	2
Isopropyl alcohol	25	U	25		ug/m3			07/26/17 14:47	2
Carbon disulfide	3.1	U	3.1		ug/m3			07/26/17 14:47	2
3-Chloropropene	3.1	U	3.1		ug/m3			07/26/17 14:47	2
Methylene Chloride	3.5	U	3.5		ug/m3			07/26/17 14:47	2
tert-Butyl alcohol	30	U	30		ug/m3			07/26/17 14:47	2
Methyl tert-butyl ether	1.4	U	1.4		ug/m3			07/26/17 14:47	2
trans-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 14:47	2
n-Hexane	3.5		1.4		ug/m3			07/26/17 14:47	2
1,1-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 14:47	2
Methyl Ethyl Ketone	140		2.9		ug/m3			07/26/17 14:47	2
cis-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 14:47	2
1,2-Dichloroethene, Total	3.2	U	3.2		ug/m3			07/26/17 14:47	2
Chloroform	2.0	U	2.0		ug/m3			07/26/17 14:47	2
Tetrahydrofuran	29	U	29		ug/m3			07/26/17 14:47	2
1,1,1-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 14:47	2
Cyclohexane	1.4	U	1.4		ug/m3			07/26/17 14:47	2
Carbon tetrachloride	0.50	U	0.50		ug/m3			07/26/17 14:47	2
2,2,4-Trimethylpentane	2.1		1.9		ug/m3			07/26/17 14:47	2
Benzene	1.8		1.3		ug/m3			07/26/17 14:47	2
1,2-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 14:47	2
n-Heptane	1.6	U	1.6		ug/m3			07/26/17 14:47	2
Trichloroethene	0.43	U	0.43		ug/m3			07/26/17 14:47	2
Methyl methacrylate	4.1	U	4.1		ug/m3			07/26/17 14:47	2
1,2-Dichloropropane	1.8	U	1.8		ug/m3			07/26/17 14:47	2
1,4-Dioxane	36	U	36		ug/m3			07/26/17 14:47	2
Bromodichloromethane	2.7	U	2.7		ug/m3			07/26/17 14:47	2
cis-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 14:47	2
methyl isobutyl ketone	4.1	U	4.1		ug/m3			07/26/17 14:47	2
Toluene	73		1.5		ug/m3			07/26/17 14:47	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-3

Lab Sample ID: 200-39428-2

Date Collected: 07/20/17 14:27

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 14:47	2
1,1,2-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 14:47	2
Tetrachloroethene	7.2		2.7		ug/m3			07/26/17 14:47	2
Methyl Butyl Ketone (2-Hexanone)	20		4.1		ug/m3			07/26/17 14:47	2
Dibromochloromethane	3.4	U	3.4		ug/m3			07/26/17 14:47	2
1,2-Dibromoethane	3.1	U	3.1		ug/m3			07/26/17 14:47	2
Chlorobenzene	1.8	U	1.8		ug/m3			07/26/17 14:47	2
Ethylbenzene	16		1.7		ug/m3			07/26/17 14:47	2
m,p-Xylene	62		4.3		ug/m3			07/26/17 14:47	2
Xylene, o-	27		1.7		ug/m3			07/26/17 14:47	2
Xylene (total)	87		6.1		ug/m3			07/26/17 14:47	2
Styrene	1.7	U	1.7		ug/m3			07/26/17 14:47	2
Bromoform	4.1	U	4.1		ug/m3			07/26/17 14:47	2
Cumene	2.0	U	2.0		ug/m3			07/26/17 14:47	2
1,1,2,2-Tetrachloroethane	2.7	U	2.7		ug/m3			07/26/17 14:47	2
n-Propylbenzene	2.0	U	2.0		ug/m3			07/26/17 14:47	2
4-Ethyltoluene	14		2.0		ug/m3			07/26/17 14:47	2
1,3,5-Trimethylbenzene	14		2.0		ug/m3			07/26/17 14:47	2
2-Chlorotoluene	2.1	U	2.1		ug/m3			07/26/17 14:47	2
tert-Butylbenzene	2.2	U	2.2		ug/m3			07/26/17 14:47	2
1,2,4-Trimethylbenzene	51		2.0		ug/m3			07/26/17 14:47	2
sec-Butylbenzene	2.2	U	2.2		ug/m3			07/26/17 14:47	2
4-Isopropyltoluene	2.5		2.2		ug/m3			07/26/17 14:47	2
1,3-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 14:47	2
1,4-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 14:47	2
Benzyl chloride	2.1	U	2.1		ug/m3			07/26/17 14:47	2
n-Butylbenzene	6.9		2.2		ug/m3			07/26/17 14:47	2
1,2-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 14:47	2
1,2,4-Trichlorobenzene	7.4	U	7.4		ug/m3			07/26/17 14:47	2
Hexachlorobutadiene	4.3	U	4.3		ug/m3			07/26/17 14:47	2
Naphthalene	56		5.2		ug/m3			07/26/17 14:47	2

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	16	J	ppb v/v		4.03			07/26/17 14:47	2
(1R)	290	J N	ppb v/v		20.67	7785-70-8		07/26/17 14:47	2
-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene									
Camphene	17	J N	ppb v/v		21.24	79-92-5		07/26/17 14:47	2
Bicyclo[3.1.1]heptane, 6,6-dimethyl-2-methylene-, (1S)-	6.8	J N	ppb v/v		21.93	18172-67-3		07/26/17 14:47	2
Unknown	6.7	J	ppb v/v		23.00			07/26/17 14:47	2
Benzene, 1,2,3-trimethyl-	6.6	J N	ppb v/v		23.15	526-73-8		07/26/17 14:47	2
Unknown	19	J	ppb v/v		24.03			07/26/17 14:47	2
Benzene, 1,2,4,5-tetramethyl-	6.7	J N	ppb v/v		24.80	95-93-2		07/26/17 14:47	2
Carbonic acid, prop-1-en-2-yl tetradecyl ester	6.9	J N	ppb v/v		25.22	1000382-90-9		07/26/17 14:47	2
Unknown	7.0	J	ppb v/v		25.26			07/26/17 14:47	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-1

Lab Sample ID: 200-39428-3

Date Collected: 07/20/17 13:04

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
Freon 22	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
1,2-Dichlorotetrafluoroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Chloromethane	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
n-Butane	5.5		1.0		ppb v/v			07/26/17 15:37	2
Vinyl chloride	0.080	U	0.080		ppb v/v			07/26/17 15:37	2
1,3-Butadiene	0.95		0.40		ppb v/v			07/26/17 15:37	2
Bromomethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Chloroethane	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
Bromoethene(Vinyl Bromide)	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Trichlorofluoromethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Freon TF	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,1-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Acetone	21		10		ppb v/v			07/26/17 15:37	2
Isopropyl alcohol	10	U	10		ppb v/v			07/26/17 15:37	2
Carbon disulfide	1.7		1.0		ppb v/v			07/26/17 15:37	2
3-Chloropropene	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
Methylene Chloride	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
tert-Butyl alcohol	10	U	10		ppb v/v			07/26/17 15:37	2
Methyl tert-butyl ether	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
trans-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
n-Hexane	5.6		0.40		ppb v/v			07/26/17 15:37	2
1,1-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Methyl Ethyl Ketone	25		1.0		ppb v/v			07/26/17 15:37	2
cis-1,2-Dichloroethene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,2-Dichloroethene, Total	0.80	U	0.80		ppb v/v			07/26/17 15:37	2
Chloroform	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Tetrahydrofuran	10	U	10		ppb v/v			07/26/17 15:37	2
1,1,1-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Cyclohexane	0.62		0.40		ppb v/v			07/26/17 15:37	2
Carbon tetrachloride	0.080	U	0.080		ppb v/v			07/26/17 15:37	2
2,2,4-Trimethylpentane	0.62		0.40		ppb v/v			07/26/17 15:37	2
Benzene	1.1		0.40		ppb v/v			07/26/17 15:37	2
1,2-Dichloroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
n-Heptane	1.5		0.40		ppb v/v			07/26/17 15:37	2
Trichloroethene	0.080	U	0.080		ppb v/v			07/26/17 15:37	2
Methyl methacrylate	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
1,2-Dichloropropane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,4-Dioxane	10	U	10		ppb v/v			07/26/17 15:37	2
Bromodichloromethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
cis-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
methyl isobutyl ketone	1.3		1.0		ppb v/v			07/26/17 15:37	2
Toluene	47		0.40		ppb v/v			07/26/17 15:37	2
trans-1,3-Dichloropropene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,1,2-Trichloroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Tetrachloroethene	12		0.40		ppb v/v			07/26/17 15:37	2
Methyl Butyl Ketone (2-Hexanone)	3.9		1.0		ppb v/v			07/26/17 15:37	2
Dibromochloromethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-1

Lab Sample ID: 200-39428-3

Date Collected: 07/20/17 13:04

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Chlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Ethylbenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
m,p-Xylene	17		1.0		ppb v/v			07/26/17 15:37	2
Xylene, o-	6.9		0.40		ppb v/v			07/26/17 15:37	2
Xylene (total)	24		1.4		ppb v/v			07/26/17 15:37	2
Styrene	0.46		0.40		ppb v/v			07/26/17 15:37	2
Bromoform	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Cumene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,1,2,2-Tetrachloroethane	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
n-Propylbenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
4-Ethyltoluene	2.7		0.40		ppb v/v			07/26/17 15:37	2
1,3,5-Trimethylbenzene	3.7		0.40		ppb v/v			07/26/17 15:37	2
2-Chlorotoluene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
tert-Butylbenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,2,4-Trimethylbenzene	11		0.40		ppb v/v			07/26/17 15:37	2
sec-Butylbenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
4-Isopropyltoluene	0.54		0.40		ppb v/v			07/26/17 15:37	2
1,3-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,4-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Benzyl chloride	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
n-Butylbenzene	1.1		0.40		ppb v/v			07/26/17 15:37	2
1,2-Dichlorobenzene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
1,2,4-Trichlorobenzene	1.0	U	1.0		ppb v/v			07/26/17 15:37	2
Hexachlorobutadiene	0.40	U	0.40		ppb v/v			07/26/17 15:37	2
Naphthalene	9.4		1.0		ppb v/v			07/26/17 15:37	2
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	4.9	U	4.9		ug/m3			07/26/17 15:37	2
Freon 22	3.5	U	3.5		ug/m3			07/26/17 15:37	2
1,2-Dichlorotetrafluoroethane	2.8	U	2.8		ug/m3			07/26/17 15:37	2
Chloromethane	2.1	U	2.1		ug/m3			07/26/17 15:37	2
n-Butane	13		2.4		ug/m3			07/26/17 15:37	2
Vinyl chloride	0.20	U	0.20		ug/m3			07/26/17 15:37	2
1,3-Butadiene	2.1		0.88		ug/m3			07/26/17 15:37	2
Bromomethane	1.6	U	1.6		ug/m3			07/26/17 15:37	2
Chloroethane	2.6	U	2.6		ug/m3			07/26/17 15:37	2
Bromoethene(Vinyl Bromide)	1.7	U	1.7		ug/m3			07/26/17 15:37	2
Trichlorofluoromethane	2.2	U	2.2		ug/m3			07/26/17 15:37	2
Freon TF	3.1	U	3.1		ug/m3			07/26/17 15:37	2
1,1-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 15:37	2
Acetone	49		24		ug/m3			07/26/17 15:37	2
Isopropyl alcohol	25	U	25		ug/m3			07/26/17 15:37	2
Carbon disulfide	5.2		3.1		ug/m3			07/26/17 15:37	2
3-Chloropropene	3.1	U	3.1		ug/m3			07/26/17 15:37	2
Methylene Chloride	3.5	U	3.5		ug/m3			07/26/17 15:37	2
tert-Butyl alcohol	30	U	30		ug/m3			07/26/17 15:37	2
Methyl tert-butyl ether	1.4	U	1.4		ug/m3			07/26/17 15:37	2
trans-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 15:37	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-1

Lab Sample ID: 200-39428-3

Date Collected: 07/20/17 13:04

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Hexane	20		1.4		ug/m3			07/26/17 15:37	2
1,1-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 15:37	2
Methyl Ethyl Ketone	74		2.9		ug/m3			07/26/17 15:37	2
cis-1,2-Dichloroethene	1.6	U	1.6		ug/m3			07/26/17 15:37	2
1,2-Dichloroethene, Total	3.2	U	3.2		ug/m3			07/26/17 15:37	2
Chloroform	2.0	U	2.0		ug/m3			07/26/17 15:37	2
Tetrahydrofuran	29	U	29		ug/m3			07/26/17 15:37	2
1,1,1-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 15:37	2
Cyclohexane	2.1		1.4		ug/m3			07/26/17 15:37	2
Carbon tetrachloride	0.50	U	0.50		ug/m3			07/26/17 15:37	2
2,2,4-Trimethylpentane	2.9		1.9		ug/m3			07/26/17 15:37	2
Benzene	3.5		1.3		ug/m3			07/26/17 15:37	2
1,2-Dichloroethane	1.6	U	1.6		ug/m3			07/26/17 15:37	2
n-Heptane	6.3		1.6		ug/m3			07/26/17 15:37	2
Trichloroethene	0.43	U	0.43		ug/m3			07/26/17 15:37	2
Methyl methacrylate	4.1	U	4.1		ug/m3			07/26/17 15:37	2
1,2-Dichloropropane	1.8	U	1.8		ug/m3			07/26/17 15:37	2
1,4-Dioxane	36	U	36		ug/m3			07/26/17 15:37	2
Bromodichloromethane	2.7	U	2.7		ug/m3			07/26/17 15:37	2
cis-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 15:37	2
methyl isobutyl ketone	5.4		4.1		ug/m3			07/26/17 15:37	2
Toluene	180		1.5		ug/m3			07/26/17 15:37	2
trans-1,3-Dichloropropene	1.8	U	1.8		ug/m3			07/26/17 15:37	2
1,1,2-Trichloroethane	2.2	U	2.2		ug/m3			07/26/17 15:37	2
Tetrachloroethene	80		2.7		ug/m3			07/26/17 15:37	2
Methyl Butyl Ketone (2-Hexanone)	16		4.1		ug/m3			07/26/17 15:37	2
Dibromochloromethane	3.4	U	3.4		ug/m3			07/26/17 15:37	2
1,2-Dibromoethane	3.1	U	3.1		ug/m3			07/26/17 15:37	2
Chlorobenzene	1.8	U	1.8		ug/m3			07/26/17 15:37	2
Ethylbenzene	1.7	U	1.7		ug/m3			07/26/17 15:37	2
m,p-Xylene	73		4.3		ug/m3			07/26/17 15:37	2
Xylene, o-	30		1.7		ug/m3			07/26/17 15:37	2
Xylene (total)	100		6.1		ug/m3			07/26/17 15:37	2
Styrene	2.0		1.7		ug/m3			07/26/17 15:37	2
Bromoform	4.1	U	4.1		ug/m3			07/26/17 15:37	2
Cumene	2.0	U	2.0		ug/m3			07/26/17 15:37	2
1,1,2,2-Tetrachloroethane	2.7	U	2.7		ug/m3			07/26/17 15:37	2
n-Propylbenzene	2.0	U	2.0		ug/m3			07/26/17 15:37	2
4-Ethyltoluene	13		2.0		ug/m3			07/26/17 15:37	2
1,3,5-Trimethylbenzene	18		2.0		ug/m3			07/26/17 15:37	2
2-Chlorotoluene	2.1	U	2.1		ug/m3			07/26/17 15:37	2
tert-Butylbenzene	2.2	U	2.2		ug/m3			07/26/17 15:37	2
1,2,4-Trimethylbenzene	52		2.0		ug/m3			07/26/17 15:37	2
sec-Butylbenzene	2.2	U	2.2		ug/m3			07/26/17 15:37	2
4-Isopropyltoluene	3.0		2.2		ug/m3			07/26/17 15:37	2
1,3-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 15:37	2
1,4-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 15:37	2
Benzyl chloride	2.1	U	2.1		ug/m3			07/26/17 15:37	2

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-1

Lab Sample ID: 200-39428-3

Date Collected: 07/20/17 13:04

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	6.3		2.2		ug/m3			07/26/17 15:37	2
1,2-Dichlorobenzene	2.4	U	2.4		ug/m3			07/26/17 15:37	2
1,2,4-Trichlorobenzene	7.4	U	7.4		ug/m3			07/26/17 15:37	2
Hexachlorobutadiene	4.3	U	4.3		ug/m3			07/26/17 15:37	2
Naphthalene	49		5.2		ug/m3			07/26/17 15:37	2
<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	9.7	J	ppb v/v		4.04			07/26/17 15:37	2
Benzene, 1,3-dimethyl-	7.1	J N	ppb v/v		18.88	108-38-3		07/26/17 15:37	2
Bicyclo[3.1.0]hex-2-ene, 2-methyl-5-(1-methylethyl)-	7.8	J N	ppb v/v		20.37	2867-05-2		07/26/17 15:37	2
(1R)-2,6,6-Trimethylbicyclo[3.1.1]hept-2-ene	600	J N	ppb v/v		20.69	7785-70-8		07/26/17 15:37	2
Camphene	61	J N	ppb v/v		21.24	79-92-5		07/26/17 15:37	2
Unknown	7.4	J	ppb v/v		23.00			07/26/17 15:37	2
Benzene, 1,2,3-trimethyl-	7.9	J N	ppb v/v		23.15	526-73-8		07/26/17 15:37	2
Unknown	19	J	ppb v/v		24.03			07/26/17 15:37	2
Unknown	9.0	J	ppb v/v		24.29			07/26/17 15:37	2
Unknown	8.1	J	ppb v/v		25.26			07/26/17 15:37	2

Client Sample ID: AA-1

Lab Sample ID: 200-39428-4

Date Collected: 07/20/17 14:15

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Freon 22	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Chloromethane	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
n-Butane	0.50	U *	0.50		ppb v/v			07/25/17 09:17	1
Vinyl chloride	0.040	U	0.040		ppb v/v			07/25/17 09:17	1
1,3-Butadiene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Bromomethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Chloroethane	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Trichlorofluoromethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Freon TF	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,1-Dichloroethene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Acetone	7.0		5.0		ppb v/v			07/25/17 09:17	1
Isopropyl alcohol	5.0	U	5.0		ppb v/v			07/25/17 09:17	1
Carbon disulfide	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
3-Chloropropene	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Methylene Chloride	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
tert-Butyl alcohol	5.0	U	5.0		ppb v/v			07/25/17 09:17	1
Methyl tert-butyl ether	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
trans-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
n-Hexane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: AA-1

Date Collected: 07/20/17 14:15

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Methyl Ethyl Ketone	0.95		0.50		ppb v/v			07/25/17 09:17	1
cis-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,2-Dichloroethene, Total	0.40	U	0.40		ppb v/v			07/25/17 09:17	1
Chloroform	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Tetrahydrofuran	5.0	U	5.0		ppb v/v			07/25/17 09:17	1
1,1,1-Trichloroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Cyclohexane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Carbon tetrachloride	0.052		0.040		ppb v/v			07/25/17 09:17	1
2,2,4-Trimethylpentane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Benzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,2-Dichloroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
n-Heptane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Trichloroethene	0.040	U	0.040		ppb v/v			07/25/17 09:17	1
Methyl methacrylate	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
1,2-Dichloropropane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,4-Dioxane	5.0	U	5.0		ppb v/v			07/25/17 09:17	1
Bromodichloromethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
cis-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
methyl isobutyl ketone	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Toluene	0.25		0.20		ppb v/v			07/25/17 09:17	1
trans-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,1,2-Trichloroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Tetrachloroethene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Dibromochloromethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,2-Dibromoethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Chlorobenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Ethylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
m,p-Xylene	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Xylene, o-	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Xylene (total)	0.70	U	0.70		ppb v/v			07/25/17 09:17	1
Styrene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Bromoform	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Cumene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
n-Propylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
4-Ethyltoluene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,3,5-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
2-Chlorotoluene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
tert-Butylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,2,4-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
sec-Butylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
4-Isopropyltoluene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,3-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,4-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Benzyl chloride	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
n-Butylbenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: AA-1

Date Collected: 07/20/17 14:15

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
1,2,4-Trichlorobenzene	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Hexachlorobutadiene	0.20	U	0.20		ppb v/v			07/25/17 09:17	1
Naphthalene	0.50	U	0.50		ppb v/v			07/25/17 09:17	1
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5		ug/m3			07/25/17 09:17	1
Freon 22	1.8	U	1.8		ug/m3			07/25/17 09:17	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4		ug/m3			07/25/17 09:17	1
Chloromethane	1.0	U	1.0		ug/m3			07/25/17 09:17	1
n-Butane	1.2	U *	1.2		ug/m3			07/25/17 09:17	1
Vinyl chloride	0.10	U	0.10		ug/m3			07/25/17 09:17	1
1,3-Butadiene	0.44	U	0.44		ug/m3			07/25/17 09:17	1
Bromomethane	0.78	U	0.78		ug/m3			07/25/17 09:17	1
Chloroethane	1.3	U	1.3		ug/m3			07/25/17 09:17	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87		ug/m3			07/25/17 09:17	1
Trichlorofluoromethane	1.1	U	1.1		ug/m3			07/25/17 09:17	1
Freon TF	1.5	U	1.5		ug/m3			07/25/17 09:17	1
1,1-Dichloroethene	0.79	U	0.79		ug/m3			07/25/17 09:17	1
Acetone	17		12		ug/m3			07/25/17 09:17	1
Isopropyl alcohol	12	U	12		ug/m3			07/25/17 09:17	1
Carbon disulfide	1.6	U	1.6		ug/m3			07/25/17 09:17	1
3-Chloropropene	1.6	U	1.6		ug/m3			07/25/17 09:17	1
Methylene Chloride	1.7	U	1.7		ug/m3			07/25/17 09:17	1
tert-Butyl alcohol	15	U	15		ug/m3			07/25/17 09:17	1
Methyl tert-butyl ether	0.72	U	0.72		ug/m3			07/25/17 09:17	1
trans-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/25/17 09:17	1
n-Hexane	0.70	U	0.70		ug/m3			07/25/17 09:17	1
1,1-Dichloroethane	0.81	U	0.81		ug/m3			07/25/17 09:17	1
Methyl Ethyl Ketone	2.8		1.5		ug/m3			07/25/17 09:17	1
cis-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/25/17 09:17	1
1,2-Dichloroethene, Total	1.6	U	1.6		ug/m3			07/25/17 09:17	1
Chloroform	0.98	U	0.98		ug/m3			07/25/17 09:17	1
Tetrahydrofuran	15	U	15		ug/m3			07/25/17 09:17	1
1,1,1-Trichloroethane	1.1	U	1.1		ug/m3			07/25/17 09:17	1
Cyclohexane	0.69	U	0.69		ug/m3			07/25/17 09:17	1
Carbon tetrachloride	0.32		0.25		ug/m3			07/25/17 09:17	1
2,2,4-Trimethylpentane	0.93	U	0.93		ug/m3			07/25/17 09:17	1
Benzene	0.64	U	0.64		ug/m3			07/25/17 09:17	1
1,2-Dichloroethane	0.81	U	0.81		ug/m3			07/25/17 09:17	1
n-Heptane	0.82	U	0.82		ug/m3			07/25/17 09:17	1
Trichloroethene	0.21	U	0.21		ug/m3			07/25/17 09:17	1
Methyl methacrylate	2.0	U	2.0		ug/m3			07/25/17 09:17	1
1,2-Dichloropropane	0.92	U	0.92		ug/m3			07/25/17 09:17	1
1,4-Dioxane	18	U	18		ug/m3			07/25/17 09:17	1
Bromodichloromethane	1.3	U	1.3		ug/m3			07/25/17 09:17	1
cis-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/25/17 09:17	1
methyl isobutyl ketone	2.0	U	2.0		ug/m3			07/25/17 09:17	1
Toluene	0.96		0.75		ug/m3			07/25/17 09:17	1

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: AA-1

Date Collected: 07/20/17 14:15

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-4

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/25/17 09:17	1
1,1,2-Trichloroethane	1.1	U	1.1		ug/m3			07/25/17 09:17	1
Tetrachloroethene	1.4	U	1.4		ug/m3			07/25/17 09:17	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0		ug/m3			07/25/17 09:17	1
Dibromochloromethane	1.7	U	1.7		ug/m3			07/25/17 09:17	1
1,2-Dibromoethane	1.5	U	1.5		ug/m3			07/25/17 09:17	1
Chlorobenzene	0.92	U	0.92		ug/m3			07/25/17 09:17	1
Ethylbenzene	0.87	U	0.87		ug/m3			07/25/17 09:17	1
m,p-Xylene	2.2	U	2.2		ug/m3			07/25/17 09:17	1
Xylene, o-	0.87	U	0.87		ug/m3			07/25/17 09:17	1
Xylene (total)	3.0	U	3.0		ug/m3			07/25/17 09:17	1
Styrene	0.85	U	0.85		ug/m3			07/25/17 09:17	1
Bromoform	2.1	U	2.1		ug/m3			07/25/17 09:17	1
Cumene	0.98	U	0.98		ug/m3			07/25/17 09:17	1
1,1,1,2-Tetrachloroethane	1.4	U	1.4		ug/m3			07/25/17 09:17	1
n-Propylbenzene	0.98	U	0.98		ug/m3			07/25/17 09:17	1
4-Ethyltoluene	0.98	U	0.98		ug/m3			07/25/17 09:17	1
1,3,5-Trimethylbenzene	0.98	U	0.98		ug/m3			07/25/17 09:17	1
2-Chlorotoluene	1.0	U	1.0		ug/m3			07/25/17 09:17	1
tert-Butylbenzene	1.1	U	1.1		ug/m3			07/25/17 09:17	1
1,2,4-Trimethylbenzene	0.98	U	0.98		ug/m3			07/25/17 09:17	1
sec-Butylbenzene	1.1	U	1.1		ug/m3			07/25/17 09:17	1
4-Isopropyltoluene	1.1	U	1.1		ug/m3			07/25/17 09:17	1
1,3-Dichlorobenzene	1.2	U	1.2		ug/m3			07/25/17 09:17	1
1,4-Dichlorobenzene	1.2	U	1.2		ug/m3			07/25/17 09:17	1
Benzyl chloride	1.0	U	1.0		ug/m3			07/25/17 09:17	1
n-Butylbenzene	1.1	U	1.1		ug/m3			07/25/17 09:17	1
1,2-Dichlorobenzene	1.2	U	1.2		ug/m3			07/25/17 09:17	1
1,2,4-Trichlorobenzene	3.7	U	3.7		ug/m3			07/25/17 09:17	1
Hexachlorobutadiene	2.1	U	2.1		ug/m3			07/25/17 09:17	1
Naphthalene	2.6	U	2.6		ug/m3			07/25/17 09:17	1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Isoprene	1.5	J N	ppb v/v		5.47	78-79-5		07/25/17 09:17	1
Cyclotrisiloxane, hexamethyl-	2.0	J N	ppb v/v		15.06	541-05-9		07/25/17 09:17	1

Client Sample ID: SV-5

Date Collected: 07/20/17 16:30

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-5

Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
Freon 22	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Chloromethane	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
n-Butane	7.0		2.0		ppb v/v			07/26/17 19:50	4
Vinyl chloride	0.16	U	0.16		ppb v/v			07/26/17 19:50	4

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-5

Lab Sample ID: 200-39428-5

Date Collected: 07/20/17 16:30

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	2.4		0.80		ppb v/v			07/26/17 19:50	4
Bromomethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Chloroethane	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Trichlorofluoromethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Freon TF	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,1-Dichloroethene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Acetone	24		20		ppb v/v			07/26/17 19:50	4
Isopropyl alcohol	20	U	20		ppb v/v			07/26/17 19:50	4
Carbon disulfide	2.6		2.0		ppb v/v			07/26/17 19:50	4
3-Chloropropene	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
Methylene Chloride	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
tert-Butyl alcohol	20	U	20		ppb v/v			07/26/17 19:50	4
Methyl tert-butyl ether	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
trans-1,2-Dichloroethene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
n-Hexane	1.2		0.80		ppb v/v			07/26/17 19:50	4
1,1-Dichloroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Methyl Ethyl Ketone	77		2.0		ppb v/v			07/26/17 19:50	4
cis-1,2-Dichloroethene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,2-Dichloroethene, Total	1.6	U	1.6		ppb v/v			07/26/17 19:50	4
Chloroform	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Tetrahydrofuran	20	U	20		ppb v/v			07/26/17 19:50	4
1,1,1-Trichloroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Cyclohexane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Carbon tetrachloride	0.16	U	0.16		ppb v/v			07/26/17 19:50	4
2,2,4-Trimethylpentane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Benzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,2-Dichloroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
n-Heptane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Trichloroethene	0.16	U	0.16		ppb v/v			07/26/17 19:50	4
Methyl methacrylate	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
1,2-Dichloropropane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,4-Dioxane	20	U	20		ppb v/v			07/26/17 19:50	4
Bromodichloromethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
cis-1,3-Dichloropropene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
methyl isobutyl ketone	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
Toluene	17		0.80		ppb v/v			07/26/17 19:50	4
trans-1,3-Dichloropropene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,1,2-Trichloroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Tetrachloroethene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Methyl Butyl Ketone (2-Hexanone)	5.5		2.0		ppb v/v			07/26/17 19:50	4
Dibromochloromethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,2-Dibromoethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Chlorobenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Ethylbenzene	2.9		0.80		ppb v/v			07/26/17 19:50	4
m,p-Xylene	11		2.0		ppb v/v			07/26/17 19:50	4
Xylene, o-	4.4		0.80		ppb v/v			07/26/17 19:50	4
Xylene (total)	15		2.8		ppb v/v			07/26/17 19:50	4

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-5

Lab Sample ID: 200-39428-5

Date Collected: 07/20/17 16:30

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Bromoform	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Cumene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
n-Propylbenzene	1.2		0.80		ppb v/v			07/26/17 19:50	4
4-Ethyltoluene	1.9		0.80		ppb v/v			07/26/17 19:50	4
1,3,5-Trimethylbenzene	1.9		0.80		ppb v/v			07/26/17 19:50	4
2-Chlorotoluene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
tert-Butylbenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,2,4-Trimethylbenzene	7.4		0.80		ppb v/v			07/26/17 19:50	4
sec-Butylbenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
4-Isopropyltoluene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,3-Dichlorobenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,4-Dichlorobenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Benzyl chloride	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
n-Butylbenzene	0.83		0.80		ppb v/v			07/26/17 19:50	4
1,2-Dichlorobenzene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
1,2,4-Trichlorobenzene	2.0	U	2.0		ppb v/v			07/26/17 19:50	4
Hexachlorobutadiene	0.80	U	0.80		ppb v/v			07/26/17 19:50	4
Naphthalene	9.5		2.0		ppb v/v			07/26/17 19:50	4
Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	9.9	U	9.9		ug/m3			07/26/17 19:50	4
Freon 22	7.1	U	7.1		ug/m3			07/26/17 19:50	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6		ug/m3			07/26/17 19:50	4
Chloromethane	4.1	U	4.1		ug/m3			07/26/17 19:50	4
n-Butane	17		4.8		ug/m3			07/26/17 19:50	4
Vinyl chloride	0.41	U	0.41		ug/m3			07/26/17 19:50	4
1,3-Butadiene	5.3		1.8		ug/m3			07/26/17 19:50	4
Bromomethane	3.1	U	3.1		ug/m3			07/26/17 19:50	4
Chloroethane	5.3	U	5.3		ug/m3			07/26/17 19:50	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5		ug/m3			07/26/17 19:50	4
Trichlorofluoromethane	4.5	U	4.5		ug/m3			07/26/17 19:50	4
Freon TF	6.1	U	6.1		ug/m3			07/26/17 19:50	4
1,1-Dichloroethene	3.2	U	3.2		ug/m3			07/26/17 19:50	4
Acetone	57		48		ug/m3			07/26/17 19:50	4
Isopropyl alcohol	49	U	49		ug/m3			07/26/17 19:50	4
Carbon disulfide	8.2		6.2		ug/m3			07/26/17 19:50	4
3-Chloropropene	6.3	U	6.3		ug/m3			07/26/17 19:50	4
Methylene Chloride	6.9	U	6.9		ug/m3			07/26/17 19:50	4
tert-Butyl alcohol	61	U	61		ug/m3			07/26/17 19:50	4
Methyl tert-butyl ether	2.9	U	2.9		ug/m3			07/26/17 19:50	4
trans-1,2-Dichloroethene	3.2	U	3.2		ug/m3			07/26/17 19:50	4
n-Hexane	4.1		2.8		ug/m3			07/26/17 19:50	4
1,1-Dichloroethane	3.2	U	3.2		ug/m3			07/26/17 19:50	4
Methyl Ethyl Ketone	230		5.9		ug/m3			07/26/17 19:50	4
cis-1,2-Dichloroethene	3.2	U	3.2		ug/m3			07/26/17 19:50	4
1,2-Dichloroethene, Total	6.3	U	6.3		ug/m3			07/26/17 19:50	4
Chloroform	3.9	U	3.9		ug/m3			07/26/17 19:50	4

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-5

Lab Sample ID: 200-39428-5

Date Collected: 07/20/17 16:30

Matrix: Air

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrahydrofuran	59	U	59		ug/m3			07/26/17 19:50	4
1,1,1-Trichloroethane	4.4	U	4.4		ug/m3			07/26/17 19:50	4
Cyclohexane	2.8	U	2.8		ug/m3			07/26/17 19:50	4
Carbon tetrachloride	1.0	U	1.0		ug/m3			07/26/17 19:50	4
2,2,4-Trimethylpentane	3.7	U	3.7		ug/m3			07/26/17 19:50	4
Benzene	2.6	U	2.6		ug/m3			07/26/17 19:50	4
1,2-Dichloroethane	3.2	U	3.2		ug/m3			07/26/17 19:50	4
n-Heptane	3.3	U	3.3		ug/m3			07/26/17 19:50	4
Trichloroethene	0.86	U	0.86		ug/m3			07/26/17 19:50	4
Methyl methacrylate	8.2	U	8.2		ug/m3			07/26/17 19:50	4
1,2-Dichloropropane	3.7	U	3.7		ug/m3			07/26/17 19:50	4
1,4-Dioxane	72	U	72		ug/m3			07/26/17 19:50	4
Bromodichloromethane	5.4	U	5.4		ug/m3			07/26/17 19:50	4
cis-1,3-Dichloropropene	3.6	U	3.6		ug/m3			07/26/17 19:50	4
methyl isobutyl ketone	8.2	U	8.2		ug/m3			07/26/17 19:50	4
Toluene	62		3.0		ug/m3			07/26/17 19:50	4
trans-1,3-Dichloropropene	3.6	U	3.6		ug/m3			07/26/17 19:50	4
1,1,2-Trichloroethane	4.4	U	4.4		ug/m3			07/26/17 19:50	4
Tetrachloroethene	5.4	U	5.4		ug/m3			07/26/17 19:50	4
Methyl Butyl Ketone (2-Hexanone)	23		8.2		ug/m3			07/26/17 19:50	4
Dibromochloromethane	6.8	U	6.8		ug/m3			07/26/17 19:50	4
1,2-Dibromoethane	6.1	U	6.1		ug/m3			07/26/17 19:50	4
Chlorobenzene	3.7	U	3.7		ug/m3			07/26/17 19:50	4
Ethylbenzene	13		3.5		ug/m3			07/26/17 19:50	4
m,p-Xylene	47		8.7		ug/m3			07/26/17 19:50	4
Xylene, o-	19		3.5		ug/m3			07/26/17 19:50	4
Xylene (total)	67		12		ug/m3			07/26/17 19:50	4
Styrene	3.4	U	3.4		ug/m3			07/26/17 19:50	4
Bromoform	8.3	U	8.3		ug/m3			07/26/17 19:50	4
Cumene	3.9	U	3.9		ug/m3			07/26/17 19:50	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5		ug/m3			07/26/17 19:50	4
n-Propylbenzene	6.0		3.9		ug/m3			07/26/17 19:50	4
4-Ethyltoluene	9.5		3.9		ug/m3			07/26/17 19:50	4
1,3,5-Trimethylbenzene	9.4		3.9		ug/m3			07/26/17 19:50	4
2-Chlorotoluene	4.1	U	4.1		ug/m3			07/26/17 19:50	4
tert-Butylbenzene	4.4	U	4.4		ug/m3			07/26/17 19:50	4
1,2,4-Trimethylbenzene	36		3.9		ug/m3			07/26/17 19:50	4
sec-Butylbenzene	4.4	U	4.4		ug/m3			07/26/17 19:50	4
4-Isopropyltoluene	4.4	U	4.4		ug/m3			07/26/17 19:50	4
1,3-Dichlorobenzene	4.8	U	4.8		ug/m3			07/26/17 19:50	4
1,4-Dichlorobenzene	4.8	U	4.8		ug/m3			07/26/17 19:50	4
Benzyl chloride	4.1	U	4.1		ug/m3			07/26/17 19:50	4
n-Butylbenzene	4.5		4.4		ug/m3			07/26/17 19:50	4
1,2-Dichlorobenzene	4.8	U	4.8		ug/m3			07/26/17 19:50	4
1,2,4-Trichlorobenzene	15	U	15		ug/m3			07/26/17 19:50	4
Hexachlorobutadiene	8.5	U	8.5		ug/m3			07/26/17 19:50	4
Naphthalene	50		10		ug/m3			07/26/17 19:50	4

TestAmerica Burlington

Client Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-5

Date Collected: 07/20/17 16:30

Date Received: 07/24/17 09:15

Sample Container: Summa Canister 6L

Lab Sample ID: 200-39428-5

Matrix: Air

<i>Tentatively Identified Compound</i>	<i>Est. Result</i>	<i>Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>RT</i>	<i>CAS No.</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Unknown	15	J	ppb v/v		2.99			07/26/17 19:50	4
Unknown	5.0	J	ppb v/v		3.31			07/26/17 19:50	4
Unknown	26	J	ppb v/v		4.03			07/26/17 19:50	4
Unknown	7.1	J	ppb v/v		5.16			07/26/17 19:50	4
Butanal	5.9	J N	ppb v/v		9.44	123-72-8		07/26/17 19:50	4
Unknown	4.9	J	ppb v/v		13.64			07/26/17 19:50	4
Hexanal	5.5	J N	ppb v/v		17.33	66-25-1		07/26/17 19:50	4
Benzene, 1,2,3-trimethyl-	5.3	J N	ppb v/v		23.15	526-73-8		07/26/17 19:50	4
Unknown	11	J	ppb v/v		24.03			07/26/17 19:50	4
Carbonic acid, undecyl vinyl ester	6.5	J N	ppb v/v		25.22	1000382-54-9		07/26/17 19:50	4

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-118877/5

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Freon 22	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Chloromethane	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
n-Butane	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Vinyl chloride	0.040	U	0.040		ppb v/v			07/24/17 13:55	1
1,3-Butadiene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Bromomethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Chloroethane	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Trichlorofluoromethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Freon TF	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,1-Dichloroethene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Acetone	5.0	U	5.0		ppb v/v			07/24/17 13:55	1
Isopropyl alcohol	5.0	U	5.0		ppb v/v			07/24/17 13:55	1
Carbon disulfide	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
3-Chloropropene	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Methylene Chloride	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
tert-Butyl alcohol	5.0	U	5.0		ppb v/v			07/24/17 13:55	1
Methyl tert-butyl ether	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
trans-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
n-Hexane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,1-Dichloroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Methyl Ethyl Ketone	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
cis-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,2-Dichloroethene, Total	0.40	U	0.40		ppb v/v			07/24/17 13:55	1
Chloroform	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Tetrahydrofuran	5.0	U	5.0		ppb v/v			07/24/17 13:55	1
1,1,1-Trichloroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Cyclohexane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Carbon tetrachloride	0.040	U	0.040		ppb v/v			07/24/17 13:55	1
2,2,4-Trimethylpentane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Benzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,2-Dichloroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
n-Heptane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Trichloroethene	0.040	U	0.040		ppb v/v			07/24/17 13:55	1
Methyl methacrylate	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
1,2-Dichloropropane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,4-Dioxane	5.0	U	5.0		ppb v/v			07/24/17 13:55	1
Bromodichloromethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
cis-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
methyl isobutyl ketone	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Toluene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
trans-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,1,2-Trichloroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Tetrachloroethene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Dibromochloromethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118877/5

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Chlorobenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Ethylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
m,p-Xylene	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Xylene, o-	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Xylene (total)	0.70	U	0.70		ppb v/v			07/24/17 13:55	1
Styrene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Bromoform	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Cumene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
n-Propylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
4-Ethyltoluene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,3,5-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
2-Chlorotoluene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
tert-Butylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,2,4-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
sec-Butylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
4-Isopropyltoluene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,3-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,4-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Benzyl chloride	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
n-Butylbenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,2-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
1,2,4-Trichlorobenzene	0.50	U	0.50		ppb v/v			07/24/17 13:55	1
Hexachlorobutadiene	0.20	U	0.20		ppb v/v			07/24/17 13:55	1
Naphthalene	0.50	U	0.50		ppb v/v			07/24/17 13:55	1

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5		ug/m3			07/24/17 13:55	1
Freon 22	1.8	U	1.8		ug/m3			07/24/17 13:55	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4		ug/m3			07/24/17 13:55	1
Chloromethane	1.0	U	1.0		ug/m3			07/24/17 13:55	1
n-Butane	1.2	U	1.2		ug/m3			07/24/17 13:55	1
Vinyl chloride	0.10	U	0.10		ug/m3			07/24/17 13:55	1
1,3-Butadiene	0.44	U	0.44		ug/m3			07/24/17 13:55	1
Bromomethane	0.78	U	0.78		ug/m3			07/24/17 13:55	1
Chloroethane	1.3	U	1.3		ug/m3			07/24/17 13:55	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87		ug/m3			07/24/17 13:55	1
Trichlorofluoromethane	1.1	U	1.1		ug/m3			07/24/17 13:55	1
Freon TF	1.5	U	1.5		ug/m3			07/24/17 13:55	1
1,1-Dichloroethene	0.79	U	0.79		ug/m3			07/24/17 13:55	1
Acetone	12	U	12		ug/m3			07/24/17 13:55	1
Isopropyl alcohol	12	U	12		ug/m3			07/24/17 13:55	1
Carbon disulfide	1.6	U	1.6		ug/m3			07/24/17 13:55	1
3-Chloropropene	1.6	U	1.6		ug/m3			07/24/17 13:55	1
Methylene Chloride	1.7	U	1.7		ug/m3			07/24/17 13:55	1
tert-Butyl alcohol	15	U	15		ug/m3			07/24/17 13:55	1
Methyl tert-butyl ether	0.72	U	0.72		ug/m3			07/24/17 13:55	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118877/5

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/24/17 13:55	1
n-Hexane	0.70	U	0.70		ug/m3			07/24/17 13:55	1
1,1-Dichloroethane	0.81	U	0.81		ug/m3			07/24/17 13:55	1
Methyl Ethyl Ketone	1.5	U	1.5		ug/m3			07/24/17 13:55	1
cis-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/24/17 13:55	1
1,2-Dichloroethene, Total	1.6	U	1.6		ug/m3			07/24/17 13:55	1
Chloroform	0.98	U	0.98		ug/m3			07/24/17 13:55	1
Tetrahydrofuran	15	U	15		ug/m3			07/24/17 13:55	1
1,1,1-Trichloroethane	1.1	U	1.1		ug/m3			07/24/17 13:55	1
Cyclohexane	0.69	U	0.69		ug/m3			07/24/17 13:55	1
Carbon tetrachloride	0.25	U	0.25		ug/m3			07/24/17 13:55	1
2,2,4-Trimethylpentane	0.93	U	0.93		ug/m3			07/24/17 13:55	1
Benzene	0.64	U	0.64		ug/m3			07/24/17 13:55	1
1,2-Dichloroethane	0.81	U	0.81		ug/m3			07/24/17 13:55	1
n-Heptane	0.82	U	0.82		ug/m3			07/24/17 13:55	1
Trichloroethene	0.21	U	0.21		ug/m3			07/24/17 13:55	1
Methyl methacrylate	2.0	U	2.0		ug/m3			07/24/17 13:55	1
1,2-Dichloropropane	0.92	U	0.92		ug/m3			07/24/17 13:55	1
1,4-Dioxane	18	U	18		ug/m3			07/24/17 13:55	1
Bromodichloromethane	1.3	U	1.3		ug/m3			07/24/17 13:55	1
cis-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/24/17 13:55	1
methyl isobutyl ketone	2.0	U	2.0		ug/m3			07/24/17 13:55	1
Toluene	0.75	U	0.75		ug/m3			07/24/17 13:55	1
trans-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/24/17 13:55	1
1,1,2-Trichloroethane	1.1	U	1.1		ug/m3			07/24/17 13:55	1
Tetrachloroethene	1.4	U	1.4		ug/m3			07/24/17 13:55	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0		ug/m3			07/24/17 13:55	1
Dibromochloromethane	1.7	U	1.7		ug/m3			07/24/17 13:55	1
1,2-Dibromoethane	1.5	U	1.5		ug/m3			07/24/17 13:55	1
Chlorobenzene	0.92	U	0.92		ug/m3			07/24/17 13:55	1
Ethylbenzene	0.87	U	0.87		ug/m3			07/24/17 13:55	1
m,p-Xylene	2.2	U	2.2		ug/m3			07/24/17 13:55	1
Xylene, o-	0.87	U	0.87		ug/m3			07/24/17 13:55	1
Xylene (total)	3.0	U	3.0		ug/m3			07/24/17 13:55	1
Styrene	0.85	U	0.85		ug/m3			07/24/17 13:55	1
Bromoform	2.1	U	2.1		ug/m3			07/24/17 13:55	1
Cumene	0.98	U	0.98		ug/m3			07/24/17 13:55	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4		ug/m3			07/24/17 13:55	1
n-Propylbenzene	0.98	U	0.98		ug/m3			07/24/17 13:55	1
4-Ethyltoluene	0.98	U	0.98		ug/m3			07/24/17 13:55	1
1,3,5-Trimethylbenzene	0.98	U	0.98		ug/m3			07/24/17 13:55	1
2-Chlorotoluene	1.0	U	1.0		ug/m3			07/24/17 13:55	1
tert-Butylbenzene	1.1	U	1.1		ug/m3			07/24/17 13:55	1
1,2,4-Trimethylbenzene	0.98	U	0.98		ug/m3			07/24/17 13:55	1
sec-Butylbenzene	1.1	U	1.1		ug/m3			07/24/17 13:55	1
4-Isopropyltoluene	1.1	U	1.1		ug/m3			07/24/17 13:55	1
1,3-Dichlorobenzene	1.2	U	1.2		ug/m3			07/24/17 13:55	1
1,4-Dichlorobenzene	1.2	U	1.2		ug/m3			07/24/17 13:55	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118877/5

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	1.0	U	1.0		ug/m3			07/24/17 13:55	1
n-Butylbenzene	1.1	U	1.1		ug/m3			07/24/17 13:55	1
1,2-Dichlorobenzene	1.2	U	1.2		ug/m3			07/24/17 13:55	1
1,2,4-Trichlorobenzene	3.7	U	3.7		ug/m3			07/24/17 13:55	1
Hexachlorobutadiene	2.1	U	2.1		ug/m3			07/24/17 13:55	1
Naphthalene	2.6	U	2.6		ug/m3			07/24/17 13:55	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v					07/24/17 13:55	1

Lab Sample ID: LCS 200-118877/4

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	11.4		ppb v/v		114	68 - 128
Freon 22	10.0	11.6		ppb v/v		116	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	11.2		ppb v/v		112	78 - 138
Chloromethane	10.0	11.3		ppb v/v		113	57 - 126
n-Butane	10.0	13.5 *		ppb v/v		135	56 - 130
Vinyl chloride	10.0	11.2		ppb v/v		112	62 - 125
1,3-Butadiene	10.0	11.5		ppb v/v		115	59 - 125
Bromomethane	10.0	10.8		ppb v/v		108	68 - 128
Chloroethane	10.0	11.6		ppb v/v		116	65 - 125
Bromoethene(Vinyl Bromide)	10.0	10.7		ppb v/v		107	67 - 127
Trichlorofluoromethane	10.0	10.3		ppb v/v		103	67 - 127
Freon TF	10.0	10.6		ppb v/v		106	68 - 128
1,1-Dichloroethene	10.0	10.7		ppb v/v		107	67 - 127
Acetone	10.0	11.5		ppb v/v		115	64 - 136
Isopropyl alcohol	10.0	12.0		ppb v/v		120	55 - 124
Carbon disulfide	10.0	11.3		ppb v/v		113	81 - 141
3-Chloropropene	10.0	11.3		ppb v/v		113	53 - 133
Methylene Chloride	10.0	11.1		ppb v/v		111	62 - 122
tert-Butyl alcohol	10.0	12.4		ppb v/v		124	64 - 124
Methyl tert-butyl ether	10.0	10.1		ppb v/v		101	67 - 127
trans-1,2-Dichloroethene	10.0	11.3		ppb v/v		113	72 - 132
n-Hexane	10.0	12.1		ppb v/v		121	71 - 131
1,1-Dichloroethane	10.0	10.8		ppb v/v		108	66 - 126
Methyl Ethyl Ketone	10.0	9.46		ppb v/v		95	62 - 122
cis-1,2-Dichloroethene	10.0	11.1		ppb v/v		111	67 - 127
Chloroform	10.0	9.55		ppb v/v		96	69 - 129
Tetrahydrofuran	10.0	8.66		ppb v/v		87	61 - 136
1,1,1-Trichloroethane	10.0	9.28		ppb v/v		93	70 - 130
Cyclohexane	10.0	9.78		ppb v/v		98	69 - 129
Carbon tetrachloride	10.0	9.89		ppb v/v		99	62 - 143
2,2,4-Trimethylpentane	10.0	9.51		ppb v/v		95	67 - 127
Benzene	10.0	9.33		ppb v/v		93	67 - 127
1,2-Dichloroethane	10.0	9.41		ppb v/v		94	67 - 132

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118877/4

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
n-Heptane	10.0	8.96		ppb v/v		90	62 - 130
Trichloroethene	10.0	9.08		ppb v/v		91	68 - 128
Methyl methacrylate	10.0	8.25		ppb v/v		82	70 - 130
1,2-Dichloropropane	10.0	8.97		ppb v/v		90	67 - 127
1,4-Dioxane	10.0	10.0		ppb v/v		100	66 - 132
Bromodichloromethane	10.0	9.99		ppb v/v		100	69 - 129
cis-1,3-Dichloropropene	10.0	10.3		ppb v/v		103	70 - 130
methyl isobutyl ketone	10.0	8.56		ppb v/v		86	62 - 130
Toluene	10.0	9.60		ppb v/v		96	67 - 127
trans-1,3-Dichloropropene	10.0	9.14		ppb v/v		91	69 - 129
1,1,2-Trichloroethane	10.0	9.42		ppb v/v		94	69 - 129
Tetrachloroethene	10.0	10.2		ppb v/v		103	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	9.12		ppb v/v		91	61 - 127
Dibromochloromethane	10.0	11.6		ppb v/v		116	66 - 130
1,2-Dibromoethane	10.0	10.3		ppb v/v		103	70 - 130
Chlorobenzene	10.0	10.4		ppb v/v		104	68 - 128
Ethylbenzene	10.0	9.65		ppb v/v		96	68 - 128
m,p-Xylene	20.0	19.2		ppb v/v		96	68 - 128
Xylene, o-	10.0	9.66		ppb v/v		97	67 - 127
Styrene	10.0	10.3		ppb v/v		103	68 - 128
Bromoform	10.0	12.1		ppb v/v		121	34 - 170
Cumene	10.0	9.72		ppb v/v		97	67 - 127
1,1,2,2-Tetrachloroethane	10.0	9.04		ppb v/v		90	69 - 129
n-Propylbenzene	10.0	9.46		ppb v/v		95	67 - 127
4-Ethyltoluene	10.0	9.77		ppb v/v		98	69 - 129
1,3,5-Trimethylbenzene	10.0	9.50		ppb v/v		95	65 - 125
2-Chlorotoluene	10.0	9.86		ppb v/v		99	67 - 127
tert-Butylbenzene	10.0	9.59		ppb v/v		96	63 - 125
1,2,4-Trimethylbenzene	10.0	9.56		ppb v/v		96	65 - 125
sec-Butylbenzene	10.0	9.53		ppb v/v		95	66 - 126
4-Isopropyltoluene	10.0	9.88		ppb v/v		99	67 - 129
1,3-Dichlorobenzene	10.0	10.1		ppb v/v		101	67 - 127
1,4-Dichlorobenzene	10.0	10.2		ppb v/v		102	66 - 126
Benzyl chloride	10.0	9.44		ppb v/v		94	54 - 135
n-Butylbenzene	10.0	9.46		ppb v/v		95	67 - 127
1,2-Dichlorobenzene	10.0	9.85		ppb v/v		98	67 - 127
1,2,4-Trichlorobenzene	10.0	9.26		ppb v/v		93	59 - 126
Hexachlorobutadiene	10.0	9.09		ppb v/v		91	62 - 130
Naphthalene	10.0	8.75		ppb v/v		88	50 - 121
Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	56.5		ug/m3		114	68 - 128
Freon 22	35	41.0		ug/m3		116	64 - 128
1,2-Dichlorotetrafluoroethane	70	78.5		ug/m3		112	78 - 138
Chloromethane	21	23.3		ug/m3		113	57 - 126
n-Butane	24	32.0	*	ug/m3		135	56 - 130
Vinyl chloride	26	28.7		ug/m3		112	62 - 125

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118877/4

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,3-Butadiene	22	25.5		ug/m3		115	59 - 125
Bromomethane	39	41.9		ug/m3		108	68 - 128
Chloroethane	26	30.7		ug/m3		116	65 - 125
Bromoethene(Vinyl Bromide)	44	46.8		ug/m3		107	67 - 127
Trichlorofluoromethane	56	58.0		ug/m3		103	67 - 127
Freon TF	77	81.1		ug/m3		106	68 - 128
1,1-Dichloroethene	40	42.4		ug/m3		107	67 - 127
Acetone	24	27.3		ug/m3		115	64 - 136
Isopropyl alcohol	25	29.4		ug/m3		120	55 - 124
Carbon disulfide	31	35.2		ug/m3		113	81 - 141
3-Chloropropene	31	35.4		ug/m3		113	53 - 133
Methylene Chloride	35	38.7		ug/m3		111	62 - 122
tert-Butyl alcohol	30	37.6		ug/m3		124	64 - 124
Methyl tert-butyl ether	36	36.6		ug/m3		101	67 - 127
trans-1,2-Dichloroethene	40	44.6		ug/m3		113	72 - 132
n-Hexane	35	42.8		ug/m3		121	71 - 131
1,1-Dichloroethane	40	43.6		ug/m3		108	66 - 126
Methyl Ethyl Ketone	29	27.9		ug/m3		95	62 - 122
cis-1,2-Dichloroethene	40	44.1		ug/m3		111	67 - 127
Chloroform	49	46.6		ug/m3		96	69 - 129
Tetrahydrofuran	29	25.6		ug/m3		87	61 - 136
1,1,1-Trichloroethane	55	50.6		ug/m3		93	70 - 130
Cyclohexane	34	33.7		ug/m3		98	69 - 129
Carbon tetrachloride	63	62.2		ug/m3		99	62 - 143
2,2,4-Trimethylpentane	47	44.5		ug/m3		95	67 - 127
Benzene	32	29.8		ug/m3		93	67 - 127
1,2-Dichloroethane	40	38.1		ug/m3		94	67 - 132
n-Heptane	41	36.7		ug/m3		90	62 - 130
Trichloroethene	54	48.8		ug/m3		91	68 - 128
Methyl methacrylate	41	33.8		ug/m3		82	70 - 130
1,2-Dichloropropane	46	41.5		ug/m3		90	67 - 127
1,4-Dioxane	36	36.1		ug/m3		100	66 - 132
Bromodichloromethane	67	66.9		ug/m3		100	69 - 129
cis-1,3-Dichloropropene	45	46.5		ug/m3		103	70 - 130
methyl isobutyl ketone	41	35.1		ug/m3		86	62 - 130
Toluene	38	36.2		ug/m3		96	67 - 127
trans-1,3-Dichloropropene	45	41.5		ug/m3		91	69 - 129
1,1,2-Trichloroethane	55	51.4		ug/m3		94	69 - 129
Tetrachloroethene	68	69.5		ug/m3		103	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	37.4		ug/m3		91	61 - 127
Dibromochloromethane	85	98.4		ug/m3		116	66 - 130
1,2-Dibromoethane	77	79.5		ug/m3		103	70 - 130
Chlorobenzene	46	47.9		ug/m3		104	68 - 128
Ethylbenzene	43	41.9		ug/m3		96	68 - 128
m,p-Xylene	87	83.4		ug/m3		96	68 - 128
Xylene, o-	43	42.0		ug/m3		97	67 - 127
Styrene	43	43.7		ug/m3		103	68 - 128

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118877/4

Matrix: Air

Analysis Batch: 118877

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	100	125		ug/m3		121	34 - 170
Cumene	49	47.8		ug/m3		97	67 - 127
1,1,2,2-Tetrachloroethane	69	62.0		ug/m3		90	69 - 129
n-Propylbenzene	49	46.5		ug/m3		95	67 - 127
4-Ethyltoluene	49	48.0		ug/m3		98	69 - 129
1,3,5-Trimethylbenzene	49	46.7		ug/m3		95	65 - 125
2-Chlorotoluene	52	51.0		ug/m3		99	67 - 127
tert-Butylbenzene	55	52.6		ug/m3		96	63 - 125
1,2,4-Trimethylbenzene	49	47.0		ug/m3		96	65 - 125
sec-Butylbenzene	55	52.3		ug/m3		95	66 - 126
4-Isopropyltoluene	55	54.2		ug/m3		99	67 - 129
1,3-Dichlorobenzene	60	60.6		ug/m3		101	67 - 127
1,4-Dichlorobenzene	60	61.3		ug/m3		102	66 - 126
Benzyl chloride	52	48.9		ug/m3		94	54 - 135
n-Butylbenzene	55	51.9		ug/m3		95	67 - 127
1,2-Dichlorobenzene	60	59.2		ug/m3		98	67 - 127
1,2,4-Trichlorobenzene	74	68.7		ug/m3		93	59 - 126
Hexachlorobutadiene	110	96.9		ug/m3		91	62 - 130
Naphthalene	52	45.9		ug/m3		88	50 - 121

Lab Sample ID: MB 200-118979/4

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Freon 22	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Chloromethane	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
n-Butane	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Vinyl chloride	0.040	U	0.040		ppb v/v			07/26/17 12:29	1
1,3-Butadiene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Bromomethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Chloroethane	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Trichlorofluoromethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Freon TF	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,1-Dichloroethene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Acetone	5.0	U	5.0		ppb v/v			07/26/17 12:29	1
Isopropyl alcohol	5.0	U	5.0		ppb v/v			07/26/17 12:29	1
Carbon disulfide	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
3-Chloropropene	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Methylene Chloride	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
tert-Butyl alcohol	5.0	U	5.0		ppb v/v			07/26/17 12:29	1
Methyl tert-butyl ether	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
trans-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
n-Hexane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,1-Dichloroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118979/4

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
cis-1,2-Dichloroethene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,2-Dichloroethene, Total	0.40	U	0.40		ppb v/v			07/26/17 12:29	1
Chloroform	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Tetrahydrofuran	5.0	U	5.0		ppb v/v			07/26/17 12:29	1
1,1,1-Trichloroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Cyclohexane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Carbon tetrachloride	0.040	U	0.040		ppb v/v			07/26/17 12:29	1
2,2,4-Trimethylpentane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Benzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,2-Dichloroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
n-Heptane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Trichloroethene	0.040	U	0.040		ppb v/v			07/26/17 12:29	1
Methyl methacrylate	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
1,2-Dichloropropane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,4-Dioxane	5.0	U	5.0		ppb v/v			07/26/17 12:29	1
Bromodichloromethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
cis-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
methyl isobutyl ketone	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Toluene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
trans-1,3-Dichloropropene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,1,2-Trichloroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Tetrachloroethene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Dibromochloromethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,2-Dibromoethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Chlorobenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Ethylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
m,p-Xylene	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Xylene, o-	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Xylene (total)	0.70	U	0.70		ppb v/v			07/26/17 12:29	1
Styrene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Bromoform	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Cumene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
n-Propylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
4-Ethyltoluene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,3,5-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
2-Chlorotoluene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
tert-Butylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,2,4-Trimethylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
sec-Butylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
4-Isopropyltoluene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,3-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,4-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Benzyl chloride	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
n-Butylbenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
1,2-Dichlorobenzene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118979/4

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Hexachlorobutadiene	0.20	U	0.20		ppb v/v			07/26/17 12:29	1
Naphthalene	0.50	U	0.50		ppb v/v			07/26/17 12:29	1
Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5		ug/m3			07/26/17 12:29	1
Freon 22	1.8	U	1.8		ug/m3			07/26/17 12:29	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4		ug/m3			07/26/17 12:29	1
Chloromethane	1.0	U	1.0		ug/m3			07/26/17 12:29	1
n-Butane	1.2	U	1.2		ug/m3			07/26/17 12:29	1
Vinyl chloride	0.10	U	0.10		ug/m3			07/26/17 12:29	1
1,3-Butadiene	0.44	U	0.44		ug/m3			07/26/17 12:29	1
Bromomethane	0.78	U	0.78		ug/m3			07/26/17 12:29	1
Chloroethane	1.3	U	1.3		ug/m3			07/26/17 12:29	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87		ug/m3			07/26/17 12:29	1
Trichlorofluoromethane	1.1	U	1.1		ug/m3			07/26/17 12:29	1
Freon TF	1.5	U	1.5		ug/m3			07/26/17 12:29	1
1,1-Dichloroethene	0.79	U	0.79		ug/m3			07/26/17 12:29	1
Acetone	12	U	12		ug/m3			07/26/17 12:29	1
Isopropyl alcohol	12	U	12		ug/m3			07/26/17 12:29	1
Carbon disulfide	1.6	U	1.6		ug/m3			07/26/17 12:29	1
3-Chloropropene	1.6	U	1.6		ug/m3			07/26/17 12:29	1
Methylene Chloride	1.7	U	1.7		ug/m3			07/26/17 12:29	1
tert-Butyl alcohol	15	U	15		ug/m3			07/26/17 12:29	1
Methyl tert-butyl ether	0.72	U	0.72		ug/m3			07/26/17 12:29	1
trans-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/26/17 12:29	1
n-Hexane	0.70	U	0.70		ug/m3			07/26/17 12:29	1
1,1-Dichloroethane	0.81	U	0.81		ug/m3			07/26/17 12:29	1
Methyl Ethyl Ketone	1.5	U	1.5		ug/m3			07/26/17 12:29	1
cis-1,2-Dichloroethene	0.79	U	0.79		ug/m3			07/26/17 12:29	1
1,2-Dichloroethene, Total	1.6	U	1.6		ug/m3			07/26/17 12:29	1
Chloroform	0.98	U	0.98		ug/m3			07/26/17 12:29	1
Tetrahydrofuran	15	U	15		ug/m3			07/26/17 12:29	1
1,1,1-Trichloroethane	1.1	U	1.1		ug/m3			07/26/17 12:29	1
Cyclohexane	0.69	U	0.69		ug/m3			07/26/17 12:29	1
Carbon tetrachloride	0.25	U	0.25		ug/m3			07/26/17 12:29	1
2,2,4-Trimethylpentane	0.93	U	0.93		ug/m3			07/26/17 12:29	1
Benzene	0.64	U	0.64		ug/m3			07/26/17 12:29	1
1,2-Dichloroethane	0.81	U	0.81		ug/m3			07/26/17 12:29	1
n-Heptane	0.82	U	0.82		ug/m3			07/26/17 12:29	1
Trichloroethene	0.21	U	0.21		ug/m3			07/26/17 12:29	1
Methyl methacrylate	2.0	U	2.0		ug/m3			07/26/17 12:29	1
1,2-Dichloropropane	0.92	U	0.92		ug/m3			07/26/17 12:29	1
1,4-Dioxane	18	U	18		ug/m3			07/26/17 12:29	1
Bromodichloromethane	1.3	U	1.3		ug/m3			07/26/17 12:29	1
cis-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/26/17 12:29	1
methyl isobutyl ketone	2.0	U	2.0		ug/m3			07/26/17 12:29	1
Toluene	0.75	U	0.75		ug/m3			07/26/17 12:29	1

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-118979/4

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Method Blank

Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.91	U	0.91		ug/m3			07/26/17 12:29	1
1,1,2-Trichloroethane	1.1	U	1.1		ug/m3			07/26/17 12:29	1
Tetrachloroethene	1.4	U	1.4		ug/m3			07/26/17 12:29	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0		ug/m3			07/26/17 12:29	1
Dibromochloromethane	1.7	U	1.7		ug/m3			07/26/17 12:29	1
1,2-Dibromoethane	1.5	U	1.5		ug/m3			07/26/17 12:29	1
Chlorobenzene	0.92	U	0.92		ug/m3			07/26/17 12:29	1
Ethylbenzene	0.87	U	0.87		ug/m3			07/26/17 12:29	1
m,p-Xylene	2.2	U	2.2		ug/m3			07/26/17 12:29	1
Xylene, o-	0.87	U	0.87		ug/m3			07/26/17 12:29	1
Xylene (total)	3.0	U	3.0		ug/m3			07/26/17 12:29	1
Styrene	0.85	U	0.85		ug/m3			07/26/17 12:29	1
Bromoform	2.1	U	2.1		ug/m3			07/26/17 12:29	1
Cumene	0.98	U	0.98		ug/m3			07/26/17 12:29	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4		ug/m3			07/26/17 12:29	1
n-Propylbenzene	0.98	U	0.98		ug/m3			07/26/17 12:29	1
4-Ethyltoluene	0.98	U	0.98		ug/m3			07/26/17 12:29	1
1,3,5-Trimethylbenzene	0.98	U	0.98		ug/m3			07/26/17 12:29	1
2-Chlorotoluene	1.0	U	1.0		ug/m3			07/26/17 12:29	1
tert-Butylbenzene	1.1	U	1.1		ug/m3			07/26/17 12:29	1
1,2,4-Trimethylbenzene	0.98	U	0.98		ug/m3			07/26/17 12:29	1
sec-Butylbenzene	1.1	U	1.1		ug/m3			07/26/17 12:29	1
4-Isopropyltoluene	1.1	U	1.1		ug/m3			07/26/17 12:29	1
1,3-Dichlorobenzene	1.2	U	1.2		ug/m3			07/26/17 12:29	1
1,4-Dichlorobenzene	1.2	U	1.2		ug/m3			07/26/17 12:29	1
Benzyl chloride	1.0	U	1.0		ug/m3			07/26/17 12:29	1
n-Butylbenzene	1.1	U	1.1		ug/m3			07/26/17 12:29	1
1,2-Dichlorobenzene	1.2	U	1.2		ug/m3			07/26/17 12:29	1
1,2,4-Trichlorobenzene	3.7	U	3.7		ug/m3			07/26/17 12:29	1
Hexachlorobutadiene	2.1	U	2.1		ug/m3			07/26/17 12:29	1
Naphthalene	2.6	U	2.6		ug/m3			07/26/17 12:29	1

Tentatively Identified Compound	MB Est. Result	MB Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Tentatively Identified Compound	None		ppb v/v					07/26/17 12:29	1

Lab Sample ID: LCS 200-118979/3

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	10.0	9.56		ppb v/v		96	68 - 128
Freon 22	10.0	9.61		ppb v/v		96	64 - 128
1,2-Dichlorotetrafluoroethane	10.0	10.5		ppb v/v		105	78 - 138
Chloromethane	10.0	9.19		ppb v/v		92	57 - 126
n-Butane	10.0	9.35		ppb v/v		94	56 - 130
Vinyl chloride	10.0	8.79		ppb v/v		88	62 - 125
1,3-Butadiene	10.0	8.64		ppb v/v		86	59 - 125
Bromomethane	10.0	9.10		ppb v/v		91	68 - 128

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118979/3

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	10.0	8.94		ppb v/v		89	65 - 125
Bromoethene(Vinyl Bromide)	10.0	8.84		ppb v/v		88	67 - 127
Trichlorofluoromethane	10.0	9.20		ppb v/v		92	67 - 127
Freon TF	10.0	9.12		ppb v/v		91	68 - 128
1,1-Dichloroethene	10.0	9.04		ppb v/v		90	67 - 127
Acetone	10.0	10.5		ppb v/v		105	64 - 136
Isopropyl alcohol	10.0	8.55		ppb v/v		86	55 - 124
Carbon disulfide	10.0	10.6		ppb v/v		106	81 - 141
3-Chloropropene	10.0	8.72		ppb v/v		87	53 - 133
Methylene Chloride	10.0	9.20		ppb v/v		92	62 - 122
tert-Butyl alcohol	10.0	9.19		ppb v/v		92	64 - 124
Methyl tert-butyl ether	10.0	9.42		ppb v/v		94	67 - 127
trans-1,2-Dichloroethene	10.0	9.92		ppb v/v		99	72 - 132
n-Hexane	10.0	10.0		ppb v/v		100	71 - 131
1,1-Dichloroethane	10.0	9.18		ppb v/v		92	66 - 126
Methyl Ethyl Ketone	10.0	9.19		ppb v/v		92	62 - 122
cis-1,2-Dichloroethene	10.0	9.25		ppb v/v		93	67 - 127
Chloroform	10.0	9.59		ppb v/v		96	69 - 129
Tetrahydrofuran	10.0	10.3		ppb v/v		103	61 - 136
1,1,1-Trichloroethane	10.0	9.62		ppb v/v		96	70 - 130
Cyclohexane	10.0	9.50		ppb v/v		95	69 - 129
Carbon tetrachloride	10.0	9.75		ppb v/v		97	62 - 143
2,2,4-Trimethylpentane	10.0	9.79		ppb v/v		98	67 - 127
Benzene	10.0	9.49		ppb v/v		95	67 - 127
1,2-Dichloroethane	10.0	9.74		ppb v/v		97	67 - 132
n-Heptane	10.0	9.99		ppb v/v		100	62 - 130
Trichloroethene	10.0	9.23		ppb v/v		92	68 - 128
Methyl methacrylate	10.0	10.0		ppb v/v		100	70 - 130
1,2-Dichloropropane	10.0	9.69		ppb v/v		97	67 - 127
1,4-Dioxane	10.0	8.87		ppb v/v		89	66 - 132
Bromodichloromethane	10.0	9.46		ppb v/v		95	69 - 129
cis-1,3-Dichloropropene	10.0	9.79		ppb v/v		98	70 - 130
methyl isobutyl ketone	10.0	10.4		ppb v/v		104	62 - 130
Toluene	10.0	9.58		ppb v/v		96	67 - 127
trans-1,3-Dichloropropene	10.0	9.42		ppb v/v		94	69 - 129
1,1,2-Trichloroethane	10.0	9.78		ppb v/v		98	69 - 129
Tetrachloroethene	10.0	8.89		ppb v/v		89	70 - 130
Methyl Butyl Ketone (2-Hexanone)	10.0	10.5		ppb v/v		105	61 - 127
Dibromochloromethane	10.0	8.68		ppb v/v		87	66 - 130
1,2-Dibromoethane	10.0	9.56		ppb v/v		96	70 - 130
Chlorobenzene	10.0	9.38		ppb v/v		94	68 - 128
Ethylbenzene	10.0	9.54		ppb v/v		95	68 - 128
m,p-Xylene	20.0	18.8		ppb v/v		94	68 - 128
Xylene, o-	10.0	9.15		ppb v/v		91	67 - 127
Styrene	10.0	9.68		ppb v/v		97	68 - 128
Bromoform	10.0	7.99		ppb v/v		80	34 - 170
Cumene	10.0	9.31		ppb v/v		93	67 - 127

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118979/3

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2,2-Tetrachloroethane	10.0	9.88		ppb v/v		99	69 - 129
n-Propylbenzene	10.0	9.61		ppb v/v		96	67 - 127
4-Ethyltoluene	10.0	10.2		ppb v/v		102	69 - 129
1,3,5-Trimethylbenzene	10.0	9.63		ppb v/v		96	65 - 125
2-Chlorotoluene	10.0	9.92		ppb v/v		99	67 - 127
tert-Butylbenzene	10.0	9.48		ppb v/v		95	63 - 125
1,2,4-Trimethylbenzene	10.0	9.72		ppb v/v		97	65 - 125
sec-Butylbenzene	10.0	9.76		ppb v/v		98	66 - 126
4-Isopropyltoluene	10.0	9.80		ppb v/v		98	67 - 129
1,3-Dichlorobenzene	10.0	9.83		ppb v/v		98	67 - 127
1,4-Dichlorobenzene	10.0	9.77		ppb v/v		98	66 - 126
Benzyl chloride	10.0	9.77		ppb v/v		98	54 - 135
n-Butylbenzene	10.0	10.2		ppb v/v		102	67 - 127
1,2-Dichlorobenzene	10.0	9.68		ppb v/v		97	67 - 127
1,2,4-Trichlorobenzene	10.0	8.17		ppb v/v		82	59 - 126
Hexachlorobutadiene	10.0	8.83		ppb v/v		88	62 - 130
Naphthalene	10.0	7.85		ppb v/v		78	50 - 121

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	49	47.3		ug/m3		96	68 - 128
Freon 22	35	34.0		ug/m3		96	64 - 128
1,2-Dichlorotetrafluoroethane	70	73.7		ug/m3		105	78 - 138
Chloromethane	21	19.0		ug/m3		92	57 - 126
n-Butane	24	22.2		ug/m3		94	56 - 130
Vinyl chloride	26	22.5		ug/m3		88	62 - 125
1,3-Butadiene	22	19.1		ug/m3		86	59 - 125
Bromomethane	39	35.3		ug/m3		91	68 - 128
Chloroethane	26	23.6		ug/m3		89	65 - 125
Bromoethene(Vinyl Bromide)	44	38.7		ug/m3		88	67 - 127
Trichlorofluoromethane	56	51.7		ug/m3		92	67 - 127
Freon TF	77	69.9		ug/m3		91	68 - 128
1,1-Dichloroethene	40	35.8		ug/m3		90	67 - 127
Acetone	24	25.0		ug/m3		105	64 - 136
Isopropyl alcohol	25	21.0		ug/m3		86	55 - 124
Carbon disulfide	31	33.0		ug/m3		106	81 - 141
3-Chloropropene	31	27.3		ug/m3		87	53 - 133
Methylene Chloride	35	31.9		ug/m3		92	62 - 122
tert-Butyl alcohol	30	27.9		ug/m3		92	64 - 124
Methyl tert-butyl ether	36	33.9		ug/m3		94	67 - 127
trans-1,2-Dichloroethene	40	39.3		ug/m3		99	72 - 132
n-Hexane	35	35.3		ug/m3		100	71 - 131
1,1-Dichloroethane	40	37.2		ug/m3		92	66 - 126
Methyl Ethyl Ketone	29	27.1		ug/m3		92	62 - 122
cis-1,2-Dichloroethene	40	36.7		ug/m3		93	67 - 127
Chloroform	49	46.8		ug/m3		96	69 - 129
Tetrahydrofuran	29	30.5		ug/m3		103	61 - 136
1,1,1-Trichloroethane	55	52.5		ug/m3		96	70 - 130
Cyclohexane	34	32.7		ug/m3		95	69 - 129

TestAmerica Burlington

QC Sample Results

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-118979/3

Matrix: Air

Analysis Batch: 118979

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	63	61.3		ug/m3		97	62 - 143
2,2,4-Trimethylpentane	47	45.8		ug/m3		98	67 - 127
Benzene	32	30.3		ug/m3		95	67 - 127
1,2-Dichloroethane	40	39.4		ug/m3		97	67 - 132
n-Heptane	41	40.9		ug/m3		100	62 - 130
Trichloroethene	54	49.6		ug/m3		92	68 - 128
Methyl methacrylate	41	41.1		ug/m3		100	70 - 130
1,2-Dichloropropane	46	44.8		ug/m3		97	67 - 127
1,4-Dioxane	36	32.0		ug/m3		89	66 - 132
Bromodichloromethane	67	63.4		ug/m3		95	69 - 129
cis-1,3-Dichloropropene	45	44.4		ug/m3		98	70 - 130
methyl isobutyl ketone	41	42.7		ug/m3		104	62 - 130
Toluene	38	36.1		ug/m3		96	67 - 127
trans-1,3-Dichloropropene	45	42.7		ug/m3		94	69 - 129
1,1,2-Trichloroethane	55	53.4		ug/m3		98	69 - 129
Tetrachloroethene	68	60.3		ug/m3		89	70 - 130
Methyl Butyl Ketone (2-Hexanone)	41	42.9		ug/m3		105	61 - 127
Dibromochloromethane	85	74.0		ug/m3		87	66 - 130
1,2-Dibromoethane	77	73.4		ug/m3		96	70 - 130
Chlorobenzene	46	43.2		ug/m3		94	68 - 128
Ethylbenzene	43	41.4		ug/m3		95	68 - 128
m,p-Xylene	87	81.8		ug/m3		94	68 - 128
Xylene, o-	43	39.7		ug/m3		91	67 - 127
Styrene	43	41.2		ug/m3		97	68 - 128
Bromoform	100	82.6		ug/m3		80	34 - 170
Cumene	49	45.8		ug/m3		93	67 - 127
1,1,2,2-Tetrachloroethane	69	67.8		ug/m3		99	69 - 129
n-Propylbenzene	49	47.2		ug/m3		96	67 - 127
4-Ethyltoluene	49	50.1		ug/m3		102	69 - 129
1,3,5-Trimethylbenzene	49	47.3		ug/m3		96	65 - 125
2-Chlorotoluene	52	51.4		ug/m3		99	67 - 127
tert-Butylbenzene	55	52.1		ug/m3		95	63 - 125
1,2,4-Trimethylbenzene	49	47.8		ug/m3		97	65 - 125
sec-Butylbenzene	55	53.6		ug/m3		98	66 - 126
4-Isopropyltoluene	55	53.8		ug/m3		98	67 - 129
1,3-Dichlorobenzene	60	59.1		ug/m3		98	67 - 127
1,4-Dichlorobenzene	60	58.7		ug/m3		98	66 - 126
Benzyl chloride	52	50.6		ug/m3		98	54 - 135
n-Butylbenzene	55	55.9		ug/m3		102	67 - 127
1,2-Dichlorobenzene	60	58.2		ug/m3		97	67 - 127
1,2,4-Trichlorobenzene	74	60.7		ug/m3		82	59 - 126
Hexachlorobutadiene	110	94.1		ug/m3		88	62 - 130
Naphthalene	52	41.1		ug/m3		78	50 - 121

TestAmerica Burlington

QC Association Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Air - GC/MS VOA

Analysis Batch: 118877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-39428-4	AA-1	Total/NA	Air	TO-15	
MB 200-118877/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-118877/4	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 118979

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-39428-1	SV-2	Total/NA	Air	TO-15	
200-39428-2	SV-3	Total/NA	Air	TO-15	
200-39428-3	SV-1	Total/NA	Air	TO-15	
200-39428-5	SV-5	Total/NA	Air	TO-15	
MB 200-118979/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-118979/3	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Client Sample ID: SV-2

Date Collected: 07/20/17 14:55

Date Received: 07/24/17 09:15

Lab Sample ID: 200-39428-1

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	118979	07/26/17 13:57	ERT	TAL BUR

Client Sample ID: SV-3

Date Collected: 07/20/17 14:27

Date Received: 07/24/17 09:15

Lab Sample ID: 200-39428-2

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	118979	07/26/17 14:47	ERT	TAL BUR

Client Sample ID: SV-1

Date Collected: 07/20/17 13:04

Date Received: 07/24/17 09:15

Lab Sample ID: 200-39428-3

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		2	118979	07/26/17 15:37	ERT	TAL BUR

Client Sample ID: AA-1

Date Collected: 07/20/17 14:15

Date Received: 07/24/17 09:15

Lab Sample ID: 200-39428-4

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	118877	07/25/17 09:17	K1P	TAL BUR

Client Sample ID: SV-5

Date Collected: 07/20/17 16:30

Date Received: 07/24/17 09:15

Lab Sample ID: 200-39428-5

Matrix: Air

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		4	118979	07/26/17 19:50	ERT	TAL BUR

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

TestAmerica Burlington

Accreditation/Certification Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Laboratory: TestAmerica Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New Jersey	NELAP	2	VT972	06-30-18

The following analytes are included in this report, but are not accredited/certified under this accreditation/certification:

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	1,2-Dichloroethene, Total
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Cumene
TO-15		Air	Freon 22
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene

Method Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = TestAmerica Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AKRF Inc
Project/Site: Brookfield

TestAmerica Job ID: 200-39428-1
SDG: 200-39428-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
200-39428-1	SV-2	Air	07/20/17 14:55	07/24/17 09:15
200-39428-2	SV-3	Air	07/20/17 14:27	07/24/17 09:15
200-39428-3	SV-1	Air	07/20/17 13:04	07/24/17 09:15
200-39428-4	AA-1	Air	07/20/17 14:15	07/24/17 09:15
200-39428-5	SV-5	Air	07/20/17 16:30	07/24/17 09:15

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

13
14
15
16

⁴ Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

TestAmerica Burlington

30 Community Drive

Suite 11

South Burlington, VT 05403

phone 802-660-1990 fax 802-660-1919

Canister Samples Chain of Custody Record

TestAmerica Analytical Testing Corp. assumes no liability with respect to the collection and shipment of these samples.

Client Contact Information		Project Manager: <u>Steve Grans</u>		Samples Collected By: <u>SS</u>		1 of 1 COCs																					
Company: <u>AK RF</u>	Phone: <u>203-810-6513</u>																										
Address: <u>440 Park Ave S.W.</u>	Email: <u>sgrens@akrf.com</u>																										
City/State/Zip: <u>NY NY</u>																											
Phone: <u>914-400-4736</u>																											
FAX:																											
Project Name: <u>Brookfield</u>	Site Contact: <u>Steve Schmidt</u>																										
	TA Contact: <u>Melissa Hass</u>																										
	Analysis Turnaround Time																										
	<u>Standard (Specify) 5 day</u>																										
Site: <u>135 S Lexington Water Plains</u>																											
PO # <u>170131</u>																											
Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-15	MA-APH	EPA 3C	EPA 25C	ASTM D-1946	Other (Please specify in notes section)	Sample Type	Indoor Air	Ambient Air	Soil Gas	Landfill Gas	Other (Please specify in notes section)								
<u>SU-2</u>	<u>7/20/17</u>	<u>1300</u>	<u>1455</u>	<u>-27</u>	<u>-5</u>	<u>5195</u>	<u>5675</u>	<u>X</u>										<u>X</u>									
<u>SU-3</u>	<u>7/20/17</u>	<u>1235</u>	<u>1727</u>	<u>-28</u>	<u>-4</u>	<u>2528</u>	<u>3084</u>	<u>X</u>										<u>X</u>									
<u>SU-1</u>	<u>7/20/17</u>	<u>1104</u>	<u>1304</u>	<u>-30</u>	<u>-5</u>	<u>5125</u>	<u>4451</u>	<u>X</u>										<u>X</u>									
<u>AA-1</u>	<u>7/20/17</u>	<u>1235</u>	<u>1415</u>	<u>-27</u>	<u>-5</u>	<u>2667</u>	<u>5049</u>	<u>X</u>								<u>X</u>											
<u>SU-5</u>	<u>7/20/17</u>	<u>1445</u>	<u>1630</u>	<u>-30</u>	<u>-8</u>	<u>3575</u>	<u>4827</u>	<u>X</u>										<u>X</u>									
 200-39428 Chain of Custody																											
Temperature (Fahrenheit) <table border="1"> <tr><td>Interior</td><td></td></tr> <tr><td>Ambient</td><td></td></tr> </table> Pressure (Inches of Hg) <table border="1"> <tr><td>Interior</td><td></td></tr> <tr><td>Ambient</td><td></td></tr> </table>																				Interior		Ambient		Interior		Ambient	
Interior																											
Ambient																											
Interior																											
Ambient																											
Start Stop																											
Start Stop																											
Special Instructions/QC Requirements & Comments:																											
Samples Shipped by: <u>AK RF</u>		Date/Time: <u>7/20/17 1633</u>		Samples Received by: <u>VIZAY MANUS H WONG</u>																							
Samples Relinquished by: <u>VIZAY MANUS H WONG</u>		Date/Time: <u>7/20/17 2000</u>		Relinquished by: <u>AK RF</u>																							
Relinquished by: <u>AK RF</u>		Date/Time: <u>7/21/17 1800</u>		Relinquished by: <u>AK RF</u>																							
Lab Use Only		Shipper Name: <u>AK RF</u>		Opened by: <u>AK RF</u>				Condition: <u>INTACT</u>																			

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-39428-1

SDG Number: 200-39428-1

Login Number: 39428

List Number: 1

Creator: Lavigne, Scott M

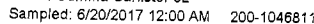
List Source: TestAmerica Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	True	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	Thermal preservation not required.
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	N/A	Thermal preservation not required.
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Canister Cleaning & Pre-Shipment Leak Test

Inventory Level	Comments
Inventory Level 1: Individual Canister Certification (TO15LL 0.01).	
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).	
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).	
Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).	
Inventory Level Limited: Canisters may only be used for certain projects.	

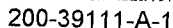
FAI023:04.26.17:10



A

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

Canister Cleaning & Pre-Shipment Leak Test



4292
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 6/27/2017 12:00 AM 200-1049200

39111

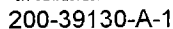
#1

A

Inventory Level	Comments
Inventory Level 1: Individual Canister Certification (TO15LL 0.01).	
Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).	
Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).	
Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).	
Inventory Level Limited: Canisters may only be used for certain projects.	

FAI023:04.26.17:10
TestAmerica Burlington

Pre-shipment Clean Canister Certification Report



3348
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 6/28/2017 12:00 AM 200-1049565

Loc: 200
39130
#1
A

[illegible]

Comments:

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level 4: Individual or Batch Certification (TO15LLNJ 0.08 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

FAI023:04.26.17:10
TestAmerica Burlington

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-39015-1</u>
SDG No.: _____	
Client Sample ID: <u>4781</u>	Lab Sample ID: <u>200-39015-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>25554-20.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>06/20/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>06/22/2017 04:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>117754</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-39015-1</u>
SDG No.: _____	
Client Sample ID: <u>4781</u>	Lab Sample ID: <u>200-39015-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>25554-20.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>06/20/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>06/22/2017 04:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>117754</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39015-1
 SDG No.: _____
 Client Sample ID: 4781 Lab Sample ID: 200-39015-1
 Matrix: Air Lab File ID: 25554-20.D
 Analysis Method: TO-15 Date Collected: 06/20/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/22/2017 04:17
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 117754 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170621-25554.b\25554-20.D
 Lims ID: 200-39015-A-1
 Client ID: 4781
 Sample Type: Client
 Inject. Date: 22-Jun-2017 04:17:30 ALS Bottle#: 20 Worklist Smp#: 20
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0025554-020
 Misc. Info.: 39015-1
 Operator ID: ert Instrument ID: CHB.i
 Method: \\ChromNA\Burlington\ChromData\CHB.i\20170621-25554.b\TO15_LL NJ_TO3.m
 Limit Group: AI_TO15_ICAL
 Last Update: 22-Jun-2017 12:04:43 Calib Date: 09-Jun-2017 10:03:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal/External Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHB.i\20170608-25406.b\25406-17.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK005

First Level Reviewer: tobere

Date:

23-Jun-2017 12:30:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.140				ND	
2 Dichlorodifluoromethane	85		3.199				ND	
3 Chlorodifluoromethane	51		3.231				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.417				ND	
5 Chloromethane	50		3.540				ND	
6 Butane	43		3.716				ND	
7 Vinyl chloride	62		3.754				ND	
8 Butadiene	54		3.818				ND	
10 Bromomethane	94		4.490				ND	
11 Chloroethane	64		4.720				ND	
13 Vinyl bromide	106		5.131				ND	
14 Trichlorofluoromethane	101		5.232				ND	
16 Ethanol	45		5.691				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.262				ND	
20 1,1-Dichloroethene	96		6.331				ND	
21 Acetone	43		6.486				ND	
22 Isopropyl alcohol	45		6.705				ND	
23 Carbon disulfide	76		6.764				ND	
24 3-Chloro-1-propene	41		7.036				ND	
27 Methylene Chloride	49		7.292				ND	
28 2-Methyl-2-propanol	59		7.409				ND	
29 Methyl tert-butyl ether	73		7.644				ND	
30 trans-1,2-Dichloroethene	61		7.703				ND	
32 Hexane	57		8.028				ND	
33 1,1-Dichloroethane	63		8.445				ND	
34 Vinyl acetate	43		8.450				ND	
36 2-Butanone (MEK)	72		9.336				ND	
35 Ethyl acetate	88		9.352				ND	
37 cis-1,2-Dichloroethene	96		9.352				ND	
* 39 Chlorobromomethane	128	9.715	9.720	-0.005	86	261282	10.0	
38 Tetrahydrofuran	42		9.726				ND	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
40 Chloroform	83		9.795				ND	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
42 1,1,1-Trichloroethane	97		10.051				ND	
43 Cyclohexane	84		10.062				ND	
44 Carbon tetrachloride	117		10.254				ND	
45 Isooctane	57		10.537				ND	
46 Benzene	78		10.579				ND	
47 1,2-Dichloroethane	62		10.681				ND	
48 n-Heptane	43		10.788				ND	
* 50 1,4-Difluorobenzene	114	11.118	11.124	-0.006	93	1347063	10.0	
53 Trichloroethene	95		11.492				ND	
54 1,2-Dichloropropane	63		11.860				ND	
55 Methyl methacrylate	69		11.898				ND	
56 1,4-Dioxane	88		11.988				ND	
57 Dibromomethane	174		12.047				ND	
58 Dichlorobromomethane	83		12.218				ND	
60 cis-1,3-Dichloropropene	75		12.848				ND	
61 4-Methyl-2-pentanone (MIBK)	43		12.997				ND	
64 Toluene	92		13.280				ND	
66 trans-1,3-Dichloropropene	75		13.638				ND	
67 1,1,2-Trichloroethane	83		13.910				ND	
68 Tetrachloroethene	166		14.054				ND	
69 2-Hexanone	43		14.171				ND	
70 Chlorodibromomethane	129		14.465				ND	
71 Ethylene Dibromide	107		14.668				ND	
* 72 Chlorobenzene-d5	117	15.228	15.228	0.000	84	1223579	10.0	
73 Chlorobenzene	112		15.271				ND	
74 Ethylbenzene	91		15.335				ND	
76 m-Xylene & p-Xylene	106		15.484				ND	
78 o-Xylene	106		15.991				ND	
S 77 Xylenes, Total	106		16.000				ND	
79 Styrene	104		16.018				ND	
80 Bromoform	173		16.311				ND	
81 Isopropylbenzene	105		16.402				ND	
83 1,1,2,2-Tetrachloroethane	83		16.813				ND	
84 N-Propylbenzene	91		16.882				ND	
87 4-Ethyltoluene	105		17.010				ND	
88 2-Chlorotoluene	91		17.053				ND	
89 1,3,5-Trimethylbenzene	105		17.075				ND	
91 tert-Butylbenzene	119		17.448				ND	
92 1,2,4-Trimethylbenzene	105		17.523				ND	
93 sec-Butylbenzene	105		17.710				ND	
94 4-Isopropyltoluene	119		17.859				ND	
95 1,3-Dichlorobenzene	146		17.939				ND	
96 1,4-Dichlorobenzene	146		18.051				ND	
97 Benzyl chloride	91		18.201				ND	
99 n-Butylbenzene	91		18.366				ND	
100 1,2-Dichlorobenzene	146		18.537				ND	
103 1,2,4-Trichlorobenzene	180		20.901				ND	
104 Hexachlorobutadiene	225		21.072				ND	
105 Naphthalene	128		21.387				ND	

Reagents:

ATTO15BISs_00006

Amount Added: 20.00

Units: mL

Run Reagent

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Report Date: 23-Jun-2017 13:27:52

Chrom Revision: 2.2 20-Jun-2017 07:42:38

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHB.i\20170621-25554.b\25554-20.D

Injection Date: 22-Jun-2017 04:17:30

Instrument ID: CHB.i

Operator ID: ert

Lims ID: 200-39015-A-1

Lab Sample ID: 200-39015-1

Worklist Smp#: 20

Client ID: 4781

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

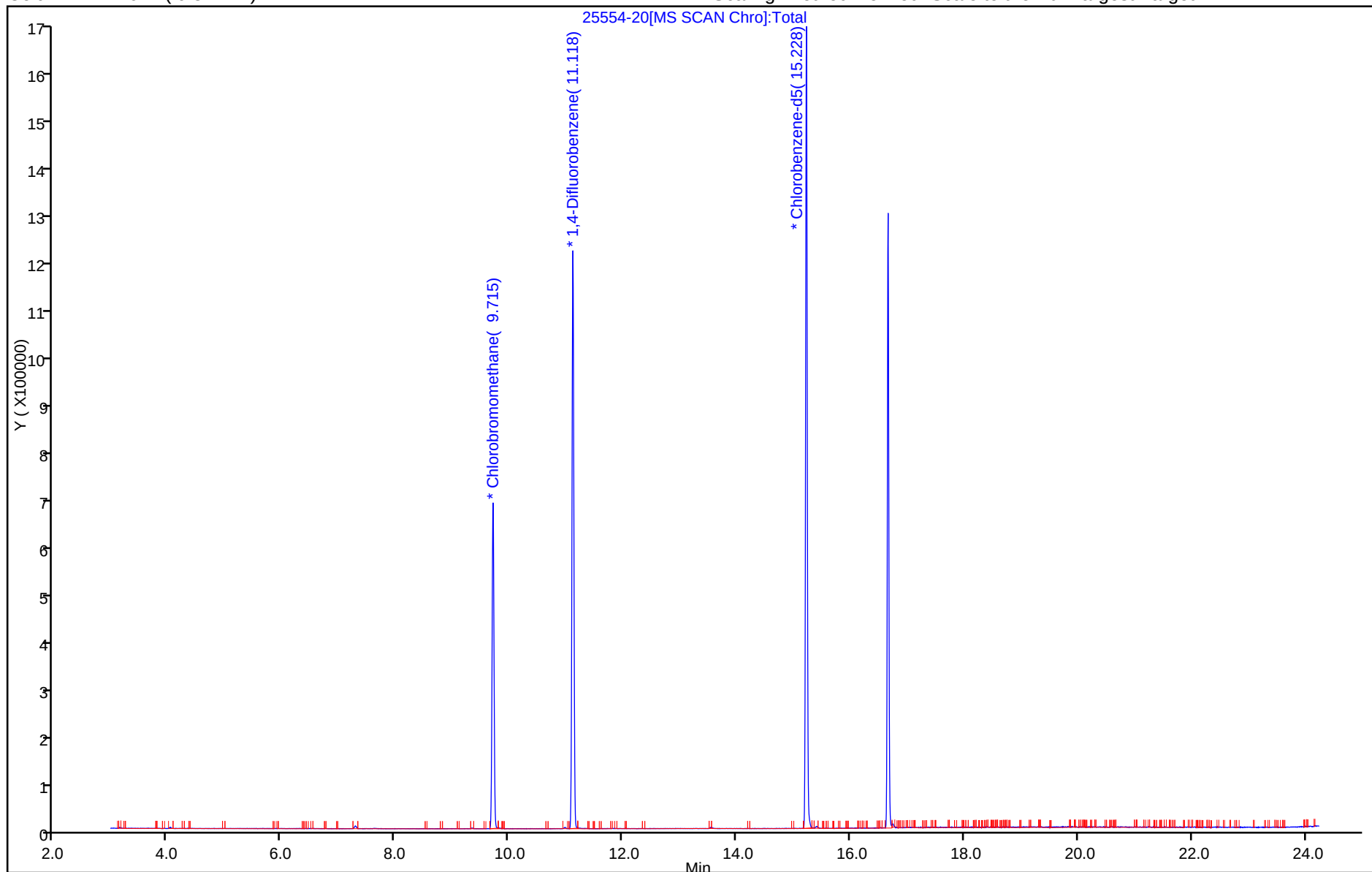
ALS Bottle#: 20

Method: TO15_LLNJ_TO3

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-39111-1</u>
SDG No.: _____	
Client Sample ID: <u>4292</u>	Lab Sample ID: <u>200-39111-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>25693_14.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>06/27/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>06/30/2017 00:16</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>118096</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39111-1
 SDG No.: _____
 Client Sample ID: 4292 Lab Sample ID: 200-39111-1
 Matrix: Air Lab File ID: 25693_14.D
 Analysis Method: TO-15 Date Collected: 06/27/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/30/2017 00:16
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 118096 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39111-1
 SDG No.: _____
 Client Sample ID: 4292 Lab Sample ID: 200-39111-1
 Matrix: Air Lab File ID: 25693_14.D
 Analysis Method: TO-15 Date Collected: 06/27/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/30/2017 00:16
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 118096 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\25693_14.D
 Lims ID: 200-39111-A-1
 Client ID: 4292
 Sample Type: Client
 Inject. Date: 30-Jun-2017 00:16:30 ALS Bottle#: 13 Worklist Smp#: 14
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0025693-014
 Misc. Info.: 39111-01
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 30-Jun-2017 10:34:41 Calib Date: 08-Jun-2017 10:01:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20170607-25386.b\25386_18.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: puangmaleek

Date: 30-Jun-2017 12:40:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.978				ND	
2 Dichlorodifluoromethane	85		3.047				ND	
3 Chlorodifluoromethane	51		3.101				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.309				ND	
5 Chloromethane	50	3.453	3.442	0.011	95	1195	0.0513	
6 Butane	43		3.645				ND	
7 Vinyl chloride	62		3.688				ND	
8 Butadiene	54		3.763				ND	
10 Bromomethane	94		4.440				ND	
11 Chloroethane	64		4.681				ND	
13 Vinyl bromide	106		5.075				ND	
14 Trichlorofluoromethane	101		5.188				ND	
17 Ethanol	45		5.780				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.287				ND	
21 1,1-Dichloroethene	96		6.319				ND	
22 Acetone	43		6.548				ND	
23 Carbon disulfide	76	6.687	6.693	-0.006	94	941	0.0186	
24 Isopropyl alcohol	45		6.874				ND	
25 3-Chloro-1-propene	41		7.114				ND	
27 Methylene Chloride	49		7.413				ND	
28 2-Methyl-2-propanol	59		7.653				ND	
29 Methyl tert-butyl ether	73		7.824				ND	
31 trans-1,2-Dichloroethene	61		7.861				ND	
33 Hexane	57		8.262				ND	
34 1,1-Dichloroethane	63		8.737				ND	
35 Vinyl acetate	43		8.827				ND	
37 cis-1,2-Dichloroethene	96		9.863				ND	
38 2-Butanone (MEK)	72		9.905				ND	
39 Ethyl acetate	88		9.975				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.327	10.327	0.000	90	224256	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.327				ND	
42 Chloroform	83		10.471				ND	
43 Cyclohexane	84		10.711				ND	
44 1,1,1-Trichloroethane	97		10.738				ND	
45 Carbon tetrachloride	117		10.994				ND	
46 Isooctane	57		11.442				ND	
47 Benzene	78		11.458				ND	
48 1,2-Dichloroethane	62		11.645				ND	
49 n-Heptane	43		11.848				ND	
* 50 1,4-Difluorobenzene	114	12.318	12.323	-0.005	98	1262554	10.0	
53 Trichloroethene	95		12.787				ND	
54 1,2-Dichloropropane	63		13.342				ND	
55 Methyl methacrylate	69		13.529				ND	
56 1,4-Dioxane	88		13.577				ND	
57 Dibromomethane	174		13.604				ND	
58 Dichlorobromomethane	83		13.919				ND	
60 cis-1,3-Dichloropropene	75		14.869				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.152				ND	
65 Toluene	92		15.456				ND	
66 trans-1,3-Dichloropropene	75		16.064				ND	
67 1,1,2-Trichloroethane	83		16.438				ND	
68 Tetrachloroethene	166		16.550				ND	
69 2-Hexanone	43		16.886				ND	
71 Chlorodibromomethane	129		17.201				ND	
72 Ethylene Dibromide	107		17.462				ND	
* 74 Chlorobenzene-d5	117	18.359	18.364	-0.005	93	1127900	10.0	
75 Chlorobenzene	112		18.423				ND	
76 Ethylbenzene	91		18.578				ND	
78 m-Xylene & p-Xylene	106		18.829				ND	
79 o-Xylene	106		19.667				ND	
80 Styrene	104		19.720				ND	
S 73 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.147				ND	
82 Isopropylbenzene	105		20.366				ND	
84 1,1,2,2-Tetrachloroethane	83		21.033				ND	
85 N-Propylbenzene	91		21.097				ND	
88 4-Ethyltoluene	105		21.289				ND	
89 2-Chlorotoluene	91		21.294				ND	
90 1,3,5-Trimethylbenzene	105		21.396				ND	
92 tert-Butylbenzene	119		21.892				ND	
93 1,2,4-Trimethylbenzene	105		21.988				ND	
94 sec-Butylbenzene	105		22.218				ND	
95 4-Isopropyltoluene	119		22.420				ND	
96 1,3-Dichlorobenzene	146		22.447				ND	
97 1,4-Dichlorobenzene	146		22.586				ND	
98 Benzyl chloride	91		22.778				ND	
100 n-Butylbenzene	91		22.986				ND	
101 1,2-Dichlorobenzene	146		23.109				ND	
103 1,2,4-Trichlorobenzene	180		25.537				ND	
104 Hexachlorobutadiene	225		25.724				ND	
105 Naphthalene	128		25.996				ND	

Reagents:

ATTO15CISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\25693_14.D

Injection Date: 30-Jun-2017 00:16:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: 200-39111-A-1

Lab Sample ID: 200-39111-1

Worklist Smp#: 14

Client ID: 4292

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

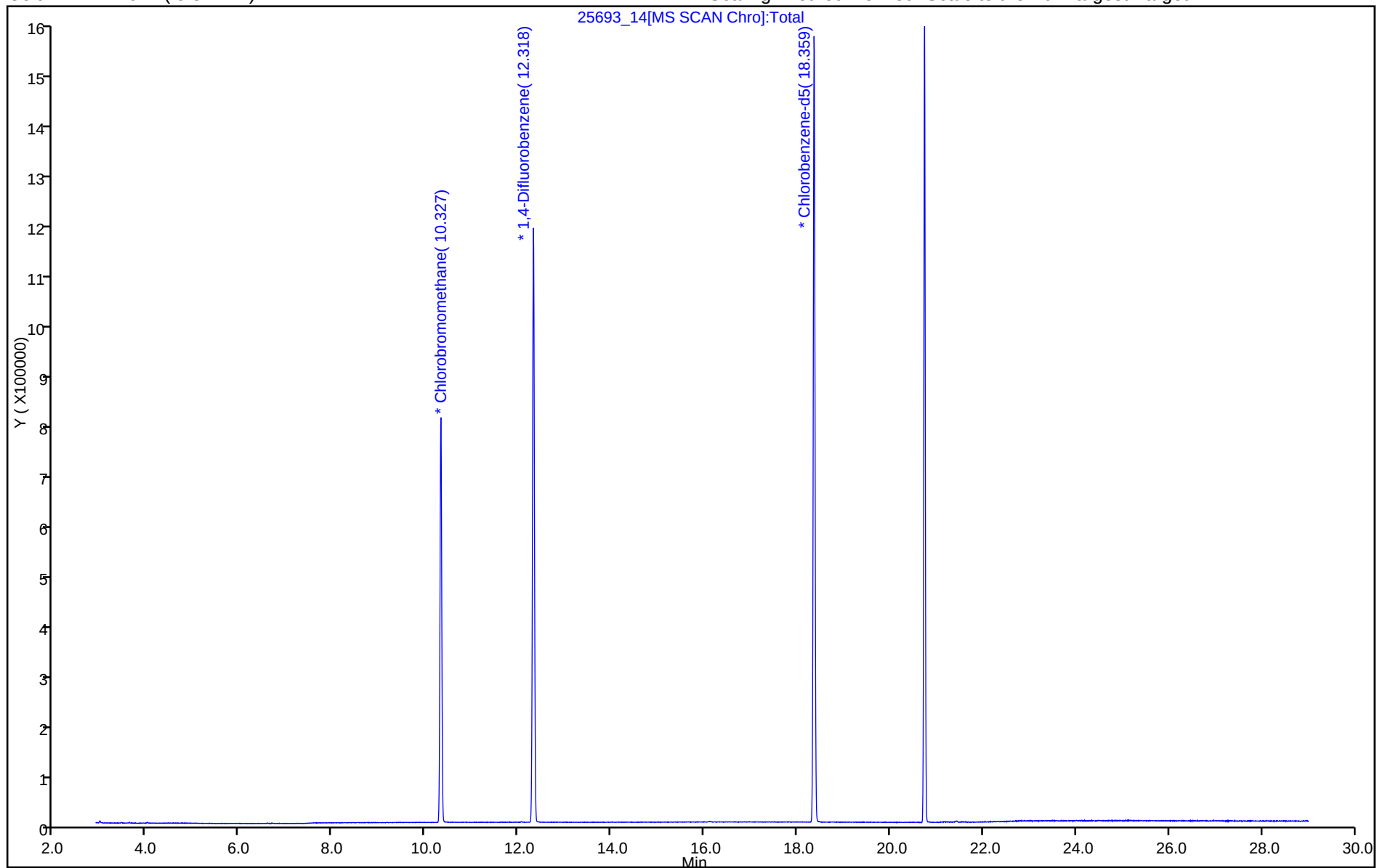
ALS Bottle#: 13

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: <u>TestAmerica Burlington</u>	Job No.: <u>200-39130-1</u>
SDG No.: _____	
Client Sample ID: <u>3348</u>	Lab Sample ID: <u>200-39130-1</u>
Matrix: <u>Air</u>	Lab File ID: <u>25693_13.D</u>
Analysis Method: <u>TO-15</u>	Date Collected: <u>06/28/2017 00:00</u>
Sample wt/vol: <u>1000 (mL)</u>	Date Analyzed: <u>06/29/2017 23:17</u>
Soil Aliquot Vol: _____	Dilution Factor: <u>0.2</u>
Soil Extract Vol.: _____	GC Column: <u>RTX-624</u> ID: <u>0.32 (mm)</u>
% Moisture: _____	Level: (low/med) <u>Low</u>
Analysis Batch No.: <u>118096</u>	Units: <u>ppb v/v</u>

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene (Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39130-1
 SDG No.: _____
 Client Sample ID: 3348 Lab Sample ID: 200-39130-1
 Matrix: Air Lab File ID: 25693_13.D
 Analysis Method: TO-15 Date Collected: 06/28/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/29/2017 23:17
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 118096 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: TestAmerica Burlington Job No.: 200-39130-1
 SDG No.: _____
 Client Sample ID: 3348 Lab Sample ID: 200-39130-1
 Matrix: Air Lab File ID: 25693_13.D
 Analysis Method: TO-15 Date Collected: 06/28/2017 00:00
 Sample wt/vol: 1000 (mL) Date Analyzed: 06/29/2017 23:17
 Soil Aliquot Vol: _____ Dilution Factor: 0.2
 Soil Extract Vol.: _____ GC Column: RTX-624 ID: 0.32 (mm)
 % Moisture: _____ Level: (low/med) Low
 Analysis Batch No.: 118096 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

TestAmerica Burlington
Target Compound Quantitation Report

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\25693_13.D
 Lims ID: 200-39130-A-1
 Client ID: 3348
 Sample Type: Client
 Inject. Date: 29-Jun-2017 23:17:30 ALS Bottle#: 12 Worklist Smp#: 13
 Purge Vol: 200.000 mL Dil. Factor: 0.2000
 Sample Info: 200-0025693-013
 Misc. Info.: 39130-01
 Operator ID: pad Instrument ID: CHC.i
 Method: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\TO15_MasterMethod_(v1)_CHC.i.m
 Limit Group: AI_TO15_ICAL
 Last Update: 30-Jun-2017 10:34:41 Calib Date: 08-Jun-2017 10:01:30
 Integrator: RTE ID Type: Deconvolution ID
 Quant Method: Internal Standard Quant By: Initial Calibration
 Last ICal File: \\ChromNA\Burlington\ChromData\CHC.i\20170607-25386.b\25386_18.D
 Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
 Process Host: XAWRK024

First Level Reviewer: puangmaleek

Date: 30-Jun-2017 12:39:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		2.978				ND	
2 Dichlorodifluoromethane	85		3.047				ND	
3 Chlorodifluoromethane	51		3.101				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.309				ND	
5 Chloromethane	50	3.453	3.442	0.011	95	1150	0.0517	
6 Butane	43		3.645				ND	
7 Vinyl chloride	62		3.688				ND	
8 Butadiene	54		3.763				ND	
10 Bromomethane	94		4.440				ND	
11 Chloroethane	64		4.681				ND	
13 Vinyl bromide	106		5.075				ND	
14 Trichlorofluoromethane	101		5.188				ND	
17 Ethanol	45		5.780				ND	
20 1,1,2-Trichloro-1,2,2-trif	101		6.287				ND	
21 1,1-Dichloroethene	96		6.319				ND	
22 Acetone	43		6.548				ND	
23 Carbon disulfide	76		6.693				ND	
24 Isopropyl alcohol	45		6.874				ND	
25 3-Chloro-1-propene	41		7.114				ND	
27 Methylene Chloride	49		7.413				ND	
28 2-Methyl-2-propanol	59		7.653				ND	
29 Methyl tert-butyl ether	73		7.824				ND	
31 trans-1,2-Dichloroethene	61		7.861				ND	
33 Hexane	57		8.262				ND	
34 1,1-Dichloroethane	63		8.737				ND	
35 Vinyl acetate	43		8.827				ND	
37 cis-1,2-Dichloroethene	96		9.863				ND	
38 2-Butanone (MEK)	72		9.905				ND	
39 Ethyl acetate	88		9.975				ND	
S 30 1,2-Dichloroethene, Total	61		10.200				ND	
* 40 Chlorobromomethane	128	10.327	10.327	0.000	90	213896	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
41 Tetrahydrofuran	42		10.327				ND	
42 Chloroform	83		10.471				ND	
43 Cyclohexane	84		10.711				ND	
44 1,1,1-Trichloroethane	97		10.738				ND	
45 Carbon tetrachloride	117		10.994				ND	
46 Isooctane	57		11.442				ND	
47 Benzene	78		11.458				ND	
48 1,2-Dichloroethane	62		11.645				ND	
49 n-Heptane	43		11.848				ND	
* 50 1,4-Difluorobenzene	114	12.318	12.323	-0.005	98	1202318	10.0	
53 Trichloroethene	95		12.787				ND	
54 1,2-Dichloropropane	63		13.342				ND	
55 Methyl methacrylate	69		13.529				ND	
56 1,4-Dioxane	88		13.577				ND	
57 Dibromomethane	174		13.604				ND	
58 Dichlorobromomethane	83		13.919				ND	
60 cis-1,3-Dichloropropene	75		14.869				ND	
61 4-Methyl-2-pentanone (MIBK)	43		15.152				ND	
65 Toluene	92		15.456				ND	
66 trans-1,3-Dichloropropene	75		16.064				ND	
67 1,1,2-Trichloroethane	83		16.438				ND	
68 Tetrachloroethene	166		16.550				ND	
69 2-Hexanone	43		16.886				ND	
71 Chlorodibromomethane	129		17.201				ND	
72 Ethylene Dibromide	107		17.462				ND	
* 74 Chlorobenzene-d5	117	18.359	18.364	-0.005	94	1095667	10.0	
75 Chlorobenzene	112		18.423				ND	
76 Ethylbenzene	91		18.578				ND	
78 m-Xylene & p-Xylene	106		18.829				ND	
79 o-Xylene	106		19.667				ND	
80 Styrene	104		19.720				ND	
S 73 Xylenes, Total	106		20.100				ND	
81 Bromoform	173		20.147				ND	
82 Isopropylbenzene	105		20.366				ND	
84 1,1,2,2-Tetrachloroethane	83		21.033				ND	
85 N-Propylbenzene	91		21.097				ND	
88 4-Ethyltoluene	105		21.289				ND	
89 2-Chlorotoluene	91		21.294				ND	
90 1,3,5-Trimethylbenzene	105		21.396				ND	
92 tert-Butylbenzene	119		21.892				ND	
93 1,2,4-Trimethylbenzene	105		21.988				ND	
94 sec-Butylbenzene	105		22.218				ND	
95 4-Isopropyltoluene	119		22.420				ND	
96 1,3-Dichlorobenzene	146		22.447				ND	
97 1,4-Dichlorobenzene	146		22.586				ND	
98 Benzyl chloride	91		22.778				ND	
100 n-Butylbenzene	91		22.986				ND	
101 1,2-Dichlorobenzene	146		23.109				ND	
103 1,2,4-Trichlorobenzene	180		25.537				ND	
104 Hexachlorobutadiene	225		25.724				ND	
105 Naphthalene	128		25.996				ND	

Reagents:

ATTO15CISs_00010

Amount Added: 20.00

Units: mL

Run Reagent

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

TestAmerica Burlington

Data File: \\ChromNA\Burlington\ChromData\CHC.i\20170629-25693.b\25693_13.D

Injection Date: 29-Jun-2017 23:17:30

Instrument ID: CHC.i

Operator ID: pad

Lims ID: 200-39130-A-1

Lab Sample ID: 200-39130-1

Worklist Smp#: 13

Client ID: 3348

Purge Vol: 200.000 mL

Dil. Factor: 0.2000

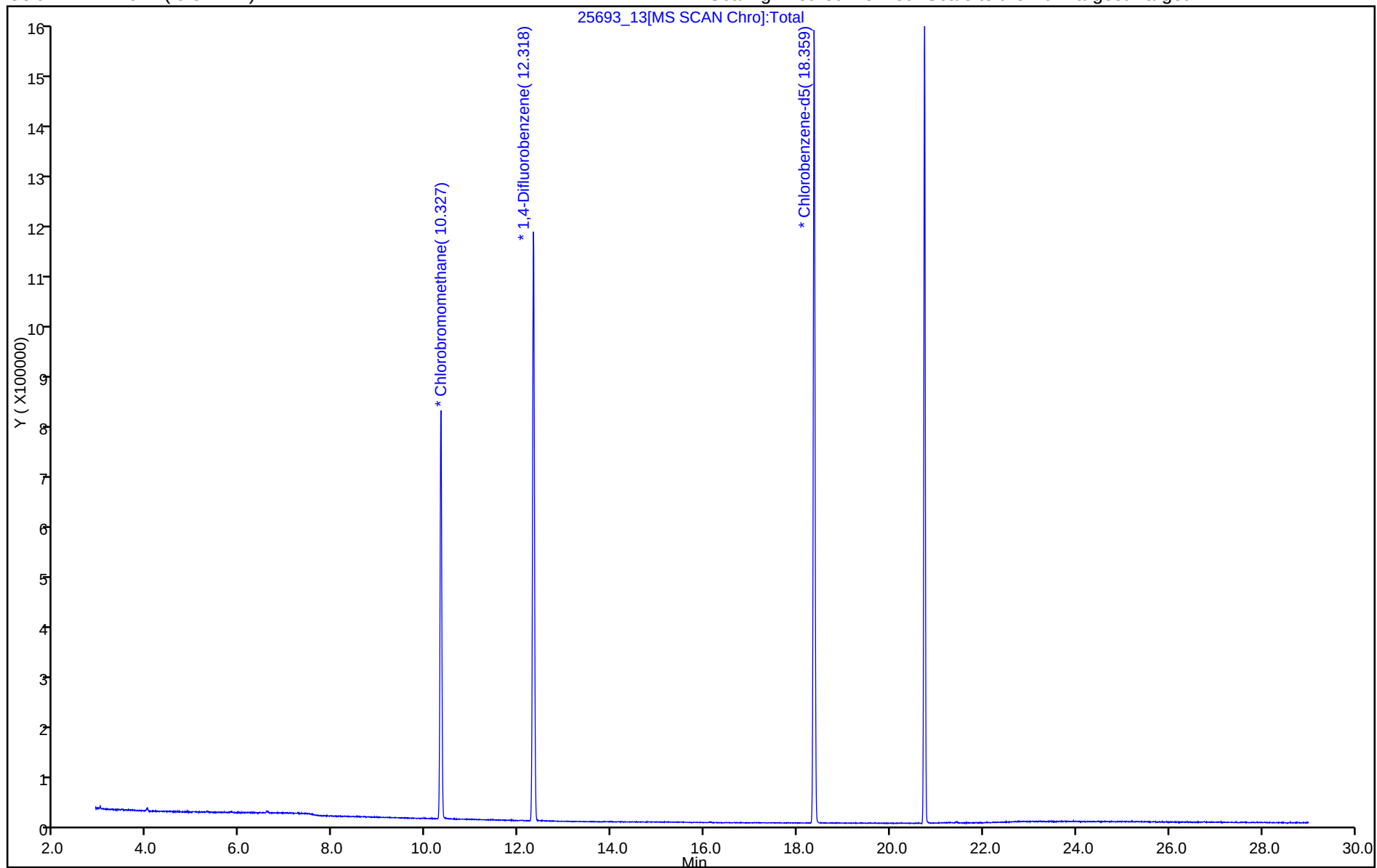
ALS Bottle#: 12

Method: TO15_MasterMethod_(v1)_CHC.i

Limit Group: AI_TO15_ICAL

Column: RTX-624 (0.32 mm)

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1





Environmental, Planning, and Engineering Consultants

440 Park Avenue South
7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

August 16, 2022

Mr. Omalawa Musa
Trinity New York Development, LLC
1350 Broadway, Suite # 1700
New York, NY 10018

**Re: Sub-Slab Depressurization System (SSDS) Inspections
Brookfield Commons Phase II
141 South Lexington Avenue, White Plains, NY 10601**

Dear Mr. Musa:

This letter is to confirm that AKRF, Inc. (AKRF) performed inspections during installation of the sub-slab depressurization system (SSDS) at the Brookfield Commons Phase II site (the "Site"), located at 141 South Lexington Avenue, White Plains, NY 10601. The inspections were performed at milestone construction stages, and included: sub-slab polyvinyl chloride (PVC) collection piping, gas permeable aggregate, pipe trenching, galvanized steel manifold and riser piping, and the discharge stack. The inspections were performed between July 29, 2020 and July 28, 2022.

Based on our inspections, the installation of the major elements of the SSDS was performed in accordance with the approved construction documents, including specifications and drawings.

Should you have any question, please feel free to contact either of us.

Sincerely,
AKRF Inc.

A handwritten signature in black ink, appearing to read 'Rebecca Kinal'.

Rebecca Kinal, P.E.
Vice President

A handwritten signature in black ink, appearing to read 'Colleen L. Griffiths'.

Colleen Griffiths
Vice President

W:\Projects\170131 - BROOKFIELD COMMONS PUBLIC HOUSING\Technical\HazMat\SSDS and Specs\SSDS closeout letter.docx

SECTION 071326 - SELF-ADHERING SHEET WATERPROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

1. Surface preparation.
2. Application of rolled, self-adhering waterproofing membrane system.
3. Tie-in to above grade waterproofing and air barriers.
4. Tie-in to underslab waterproofing.
5. Insulation.
6. Protection Course.

- B. Related Requirements:

1. Section 018316 "Exterior Enclosure General Requirements" for additional requirements related to the building enclosure including but not limited to:
 - a. Performance and design requirements for the exterior building enclosure.
 - b. Coordination of Work required to complete the Exterior Enclosure.
 - c. Quality Assurance and Control procedures required for the work of the Exterior Enclosure.
 - d. Independent inspection and testing required to verify performance of the work of this section.
2. Division 03 for Cast-in-Place Concrete work including forms, waterstops, hydrophobic waterproofing concrete admixtures, and concrete placement.
3. Section 312113 "Vapor Mitigation System".
4. Section 072700 "Air and Weather Barrier".
5. Section 312000 "Earthwork" for excavating and backfilling.

1.3 REFERENCES

- A. Definitions: Refer to Division 01 Section "Exterior Enclosure General Requirements" for definitions related to Exterior Enclosure.
- B. Waterproofing Terminology: See ASTM D 1079 and glossary in NRCA's "The NRCA Roofing and Waterproofing Manual" for definition of terms related to roofing work in this Section.
- C. Waterproofing System: Components required to maintain building watertight from below grade to transition above grade to air barrier including, but not limited to: substrate primers, membrane, protection layer, drainage mat, insulation, accessories, and base flashing.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate connection of waterproofing system to adjacent components of the exterior enclosure. Participate in coordination required in Division 01 Section "Exterior Enclosure General Requirements".
1. Coordinate tie-in to other waterproofing and air barrier products.
- B. Preinstallation Meetings:
1. Preinstallation Conference: Participate in Conference indicated in Division 01 Section "Exterior Enclosure General Requirements.
 2. Exterior Enclosure Coordination Workshop: Participate in workshop indicated in Division 01 Section "Exterior Enclosure General Requirements."
 3. Preliminary Waterproofing Conference: As soon as possible after award of waterproofing work and before initial submittals, conduct conference at Project site.
 - a. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, waterproofing Installer, waterproofing system manufacturer's representative, deck Installer, and installers whose work interfaces with or affects waterproofing, including installers of roof accessories and roof-mounted equipment.
 - b. Review each topic specified below under "Preinstallation Waterproofing Conference." In addition, review the following:
 - 1) Waterproofing Installer's qualifications.
 - 2) Requirements for submittals.
 - 3) Scheduling of submittals and waterproofing installation.
 - 4) Requirements for coordination of work affecting waterproofing.
 - 5) Requirements for temporary waterproofing or contractor's requirements for temporary weather enclosure of building.
 - 6) Warranty requirements and Intent to Warrant Letter.
 - c. Record discussion, including agreement or disagreement on matters of significance; furnish copy of recorded discussions to each participant. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.
 4. Preinstallation Waterproofing Conference: Conduct conference at Project site.
 - a. Meet with Owner, Architect, Owner's insurer if applicable, testing and inspecting agency representative, waterproofing Installer, waterproofing system manufacturer's representative, and installers whose work interfaces with or affects waterproofing, including installers of accessories and equipment.
 - b. Review required submittals, outstanding and completed.
 - c. Review methods and procedures related to waterproofing installation, including manufacturer's written instructions.
 - d. Review manufacturer's training and inspection services.
 - e. Review and finalize construction schedule and verify availability of materials, Installer's personnel, equipment, and facilities needed to make progress and avoid delays.
 - f. Review requirements for scheduling work based on weather forecasts and for hot and cold weather procedures.
 - g. Examine substrate conditions and finishes for compliance with requirements, including flatness and fastening. Discuss requirements for roofer's acceptance of substrate prior to waterproofing.
 - h. Review adjacent walls, and other intersections with adjacent construction for coordination.
 - i. Review flashings and connection of waterproofing systems into adjacent air/vapor barrier and waterproof materials.

- j. Review special waterproofing details, penetrations, and condition of other construction that will affect waterproofing system.
- k. Review temporary protection requirements for waterproofing system during and after installation.
- l. Record discussion, including agreement or disagreement on matters of significance; furnish copy of recorded discussions to each participant. If substantial disagreements exist at conclusion of conference, determine how disagreements will be resolved and set date for reconvening conference.

1.5 SUBMITTALS REQUIREMENTS

- A. Submit per the requirements of Section 013300 Submittal Procedures and as indicated herein.
- B. Submit the following in a single complete package, Partial submittal packages shall be rejected without action.
 - 1. Product data
 - 2. Manufacturers Certification
 - 3. Shop drawings
 - 4. Product Certificates.
 - 5. Repair Procedures
 - 6. Sample Warranty

1.6 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include construction details, material descriptions, and installation instructions.
- B. Manufacturer's Certification:
- C. Shop Drawings: Show locations and extent of waterproofing and each layer or component by name.
 - 1. Include:
 - a. Details for substrate joints and cracks
 - b. Sheet flashings.
 - c. Penetrations.
 - d. Inside and outside corners
 - e. Tie-ins to adjoining above grade waterproofing and air barrier systems.
 - f. Construction joints and joints at pour stops.
 - g. Every other termination or transition condition necessary to detail for installation of continuous waterproof system.
 - 2. Show sufficient information to trace continuity of waterproofing from work of this section to adjacent work.
 - 3. Show step-by-step, layer-by-layer instructions for installation of waterproofing system.
 - 4. Drawings:
 - a. Details: minimum 3 inches equals 1 foot.
 - b. Isometric Diagrams: Exploded, sequential 3 dimensional diagrams showing step-by-step methods of installing flashing, seams and other sensitive areas.

1.7 INFORMATIONAL SUBMITTALS

- A. Manufacturer Certificates: Signed by manufacturer certifying that waterproofing system complies with the following.
1. Certificate shall list all products and materials required for project.
 2. Compliance with performance requirements.
 3. Certify that materials are appropriate for indicated use and substrates and adjacent materials are compatible.
 4. Certify Manufacturer's approval of Installer and Installer's qualifications. Certify approval of Installer as suitable for project and having completed training programs required by the manufacturer.
 5. Certify single source responsibility.
 6. Certify acceptability to manufacturer of products specified in or required by this Section that are not produced by the manufacturer who submits this Certification.
 7. Approval of Submittals: Certify that work indicated in submittals is in compliance with manufacturers written instructions and if installed as indicated in submittals is suitable for indicated warranty.
 8. Compatibility Report: Certify compatibility for all materials, including adjacent waterproofing systems that contact the waterproofing membrane.
 9. Provide name of manufacturers testing and inspection agent.
 10. Certify intent to warrant based on submittals.
- B. Product Certificates: For each type of waterproofing material.
- C. Repair Procedures: Submit step by step procedure for repair of leaks, either during the construction period or during warranty period, with materials and accessories required. Provide diagrams for repair procedure at the following typical conditions:
1. Crack in concrete
 2. Along construction joint
 3. At penetrations such as pipe sleeves.
- D. Field quality-control reports.
- E. Sample Warranty: For manufacturer's warranty.

1.8 QUALITY ASSURANCE

- A. Source Limitations: Obtain bentonite waterproofing system from single source from single manufacturer. Obtain accessory products used with bentonite waterproofing from sources approved in writing by bentonite waterproofing manufacturer.
- B. Manufacturer's Technical Representative: Manufacturer shall assign a technical representative to provide quality assurance and to assist in the proper application of the products to suit the particular project requirements. Manufacturer's Technical Representative shall:
1. Review show drawings and certify the indicated detailing complies with manufacturer's written instructions and requirements.
 2. Interpret modification of manufacturer's standard details and instructions to suit conditions not specifically covered.
 3. Acceptance of Adjacent Waterproofing: Provide instructions for coordination with waterproof connections to adjacent waterproof materials.
 4. Approve installer in writing.
 5. Attend pre-construction conferences, workshops, coordination meetings and similar meetings to ensure proper installation of waterproofing.

6. Conduct indicated Field Quality testing and inspection or cause same to be done by qualified individual.
- C. Installer's Qualifications: Engage an installer who has completed a minimum of 3 projects of materials, detailing, scope and complexity similar to Work required for this project in the last five years and who has specialized experience in installing bentonite waterproofing systems as required and who is licensed by, or otherwise acceptable to, bentonite manufacturer.
 1. Installer shall be approved in writing by product manufacturer.
 2. Installers, supervisors and mechanics shall be adequately trained and experienced.
- D. Mockup: Provide waterproofing for mockup specified in Section 018316.
- E. Services of an independent Inspection and Testing Agency are required for this Work. Refer to Division 01.

1.9 FIELD CONDITIONS

- A. Dewatering: Do not proceed with installation until dewatering efforts are sufficient to allow proper installation.
- B. Weather Limitations: Proceed with installation only when existing and forecasted weather conditions permit bentonite waterproofing to be installed according to manufacturer's written instructions and warranty requirements.
 1. Do not apply waterproofing materials to surfaces where ice or frost is visible. Do not apply bentonite waterproofing materials in areas with standing water.
 2. Do not place bentonite clay products in panel or composite form on damp surfaces unless such practice is approved in writing by manufacturer.
 3. Do not place bentonite clay products if precipitation is scheduled for time period before insulation can be covered with concrete.

1.10 WARRANTY

- A. Manufacturer's Warranty: Manufacturer's form in which manufacturer and Installer agree(s) to repair or replace components of waterproofing system, at no cost to the owner, that fail in materials or workmanship and to make building watertight if failures develop in waterproofing system within specified warranty period.
 1. Warranted waterproofing includes tie-ins to sleeves and other penetrations. Seals between sleeve and penetrating item are not included in warranty.
 2. Connections to adjacent waterproof membranes shall be included in warranty.
 3. Failures include, but are not limited to, the following:
 - a. Water penetrating the building or structure resulting from substrate cracking of up to 1/8 inch.
 - b. Deteriorated or displaced waterproofing materials.
 4. Warranty Period: Five years from date of Substantial Completion covering both materials and labor, to the project owner. Manufacturer's warranty shall be independent from any other warranties made by the Contractor under requirements of the Contract Documents and may run concurrent with the other warranties.
 5. Warranty shall be non-prorated with no dollar limit (NDL).

PART 2 - PRODUCTS

2.1 MODIFIED BITUMINOUS SHEET WATERPROOFING

- A. Modified Bituminous Sheet: Minimum 60-mil nominal thickness, self-adhering sheet consisting of 56 mils of rubberized asphalt laminated on one side to a 4-mil-thick, polyethylene-film reinforcement, and with release liner on adhesive side; formulated for application with primer or surface conditioner that complies with VOC limits of authorities having jurisdiction.
1. Manufacturers: Provide products by one of the following: Manufacturer must be the same as the manufacturer of the Air barrier specified elsewhere in Division 7.
 - a. Henry
 - b. Grace
 - c. WR Meadows
 2. Physical Properties:
 - a. Tensile Strength, Membrane: 460 psi minimum; ASTM D 412, Die C, modified.
 - b. Ultimate Elongation: 971 percent minimum; ASTM D 412, Die C, modified.
 - c. Low-Temperature Flexibility: Pass at minus 20 deg F; ASTM D 1970/D 1970M.
 - d. Crack Cycling: Unaffected after 100 cycles of 1/8-inch movement; ASTM C 836/C 836M.
 - e. Puncture Resistance: 40 lbf minimum; ASTM E 154/E 154M.
 - f. Water Absorption: 0.1 percent weight-gain maximum after 72-hour immersion at 70 deg F; ASTM D 570.
 - g. Water Vapor Permeance: 0.05 perm maximum; ASTM E 96/E 96M, Water Method.
 - h. Hydrostatic-Head Resistance: 200 feet minimum; ASTM D 5385.
 3. Sheet Strips: Self-adhering, rubberized-asphalt strips of same material and thickness as sheet waterproofing.

2.2 ACCESSORIES

- A. General: Provide all accessories necessary to comply with indicated performance criteria and as required for indicated warranty coverage. All accessories shall be approved in writing by manufacturer.
- B. Rigid Insulation Type VI: Extruded-polystyrene board insulation according to ASTM C 578, Type VI, 40-psi minimum compressive strength.
- C. Waterstops: Self-Expanding Butyl Strip Waterstops: Manufacturers rectangular or trapezoidal strip, butyl rubber with sodium bentonite or other hydrophilic polymers, for adhesive bonding to concrete, 3/4 by 1 inch.
- D. Termination Bar: Extruded-aluminum or formed-stainless-steel bars with upper flange to receive sealant.
- E. Cement Grout Patching Material: Grout mix compatible with substrate being patched and recommended in writing by waterproofing manufacturer.
- F. Masonry Fasteners: Case-hardened nails or hardened-steel, powder-actuated fasteners provide minimum 1-inch-diameter washers, or larger if required by manufacturer's written requirements, under fastener heads.
- G. Sealants: As recommended in writing by waterproofing manufacturer. Comply with requirements specified in Section 079210 "Exterior Joint Sealants."

- H. Tapes: Waterproofing manufacturer's recommended waterproof tape for joints between sheets, membranes, or panels.
- I. Adhesive: Waterproofing manufacturer's water-based adhesive used to secure waterproofing to both vertical and horizontal surfaces.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for substrate preparations and other conditions affecting performance of bentonite waterproofing.
- B. Examine previously placed underslab vapor barrier before installation to verify conditions suitable for proper tie-in of waterproofing to vapor barrier.
- C. Verify that substrate is complete and that work that will penetrate waterproofing is complete and rigidly installed and in compliance with the requirements for that material, product or system.
- D. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Clean, prepare, and treat substrates according to manufacturer's written instructions.
- B. Coordinate work in the vicinity of waterproofing to ensure proper conditions for installing the waterproofing system and to prevent damage to waterproofing after installation.
 - 1. Maintain and operate dewatering as necessary for installation of waterproofing.
- C. Formed Concrete Surfaces: Remove fins and projections. Fill voids, rock pockets, form-tie holes, and other defects with bentonite mastic or cement grout patching material according to manufacturer's written instructions.
- D. Horizontal Surfaces: Remove debris, standing water, oily substances, mud, and similar substances that could impair the bonding ability of concrete or the effectiveness of waterproofing. Fill voids, cracks greater than 1/8 inch, honeycomb areas, and other defects with bentonite mastic or cement grout patching material according to manufacturer's written instructions.
- E. Patch all holes and voids and smooth out any surface misalignments.
- F. Apply surface conditioner to surfaces that will be covered within one working day according to manufacturer's recommended coverage rates.
- G. Install corner tape on all inside and outside corners, including the footing.
- H. Apply a 9" strip of self-adhering membrane over construction, control and expansion joints and over cracks greater than 1/16" wide.
- I. Seal all terminations with pointing mastic.

3.3 INSTALLATION, GENERAL

- A. Install waterproofing to provide a complete and continuous membrane extending un-interrupted from underslab vapor barrier, up all vertical surfaces and extending to approximately 8" above grade. Upper termination of waterproofing shall be capable of waterproof tie-in to above grade air barrier systems.
- B. Coordinate installation of waterproofing with work of other trades and with weather conditions to minimize exposure of membrane to precipitation.
- C. Install waterproofing and accessories according to manufacturer's written instructions and approved submittals.
- D. Extend waterproofing membrane past the extent of concrete placement, either permanent or protection slab, to allow for tie-in to next area of waterproofing. Secure extended membrane in place so it is not covered or dislodged during concrete placement.
- E. Penetrations: Treat each pipe sleeve, blockout or other penetration through foundation with waterproofing per manufacturers written instructions.
 - 1. Provide mastic around perimeter of sleeves at interface with membrane, either by placing mastic before pouring concrete or by providing approximately ¾ by ¾ inch block-out around sleeve.
 - 2. Provide annular waterstops around sleeves or other embedded penetrations.
- F. Prepare surface of adjacent buildings and install waterproofing membrane and accessories to allow for waterproof tie-in of new waterproofing to adjacent existing foundations.
- G. Install protection course before backfilling or placing overburden.

3.4 MODIFIED BITUMINOUS SHEET-WATERPROOFING APPLICATION

- A. Install modified bituminous sheets according to waterproofing manufacturer's written instructions and per recommendations in ASTM D 6135.
- B. Apply primer to substrates at required rate and allow it to dry. Limit priming to areas that will be covered by sheet waterproofing in same day. Reprime areas exposed for more than 24 hours.
- C. Apply and firmly adhere sheets over area to receive waterproofing. Accurately align sheets and maintain uniform 2-1/2-inch-minimum lap widths and end laps. Overlap and seal seams, and stagger end laps to ensure watertight installation.
 - 1. When ambient and substrate temperatures range between 25 and 40 deg F, install self-adhering, modified bituminous sheets produced for low-temperature application. Do not use low-temperature sheets if ambient or substrate temperature is higher than 60 deg F.
- D. Apply continuous sheets over already-installed sheet strips, bridging substrate cracks, construction, and contraction joints.
- E. Seal edges of sheet-waterproofing terminations with mastic.
- F. Install sheet-waterproofing and auxiliary materials to tie into adjacent waterproofing.

- G. Repair tears, voids, and lapped seams in waterproofing not complying with requirements. Slit and flatten fishmouths and blisters. Patch with sheet waterproofing extending 6 inches beyond repaired areas in all directions.
- H. Immediately install protection course with butted joints over waterproofing membrane.

3.5 INSULATION INSTALLATION

- A. Install insulation drainage panels over waterproofed surfaces. Cut and fit to within 3/4 inch of projections and penetrations.
- B. On vertical surfaces, set insulation panels in adhesive or tape applied according to manufacturer's written instructions.

3.6 TEMPORARY PROTECTION

- A. Protect waterproofing from damage before and during subsequent construction operations. Repair punctures, tears, and cuts according to manufacturer's written instructions.
- B. Protect from UV light. Replace waterproofing that has been exposed beyond manufacturers indicated time limit.
- C. Protect waterproofing from overlying work that could damage membrane.
- D. Remove and replace waterproofing that has not been properly protected.

3.7 FIELD QUALITY CONTROL

- A. Manufacturer's Field Service: Engage a factory-authorized service representative or inspector to inspect 100% of completed waterproofing installation before covering with other construction, and provide written report stating that installation complies with manufacturer's written instructions.
 - 1. Remove and replace applications of waterproofing where inspection indicates that it does not comply with specified requirements.
 - 2. Submit written report indicating 100% of waterproofing has been inspected and approved before covering by subsequent construction.

END OF SECTION 071326