



Environmental, Planning, and Engineering Consultants

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March 2, 2020

Mr. Matthew Kelly
Boston Tremont Housing Development Fund Corporation (HDFC)
902 Broadway, 13th Floor
Bronx, New York

Re: Lambert Houses Parcel 5
1048 and 1075 East 180th Street, and 2094 Boston Road, Bronx, New York
Subsurface Investigation Results

Dear Mr. Kelly:

AKRF, Inc. (AKRF) conducted a Subsurface Investigation (SI) on behalf of Boston Tremont HDFC (Client) at the Lambert Houses Parcel 5 property, located at 1048 and 1075 East 180th Street, and 2094 Boston Road in the Bronx, New York (the “Site”). The approximately 76,665-square foot Site is also identified on the New York City Tax Map as Bronx Borough Tax Block 3140, Lot 7. The Site is bound by East 180th Street followed by River Park and the Bronx Zoo to the north; the Bronx River, followed by River Garden, and automotive, commercial, and industrial properties to the east; residential buildings and East 179th Street, followed by the elevated 2 and 5 Metropolitan Transit Authority (MTA) subway tracks to the south; and Boston Road followed by residential apartment buildings to the west. The Site is located in a developed area predominantly consisting of residential and commercial properties with some open space/parks, industrial/manufacturing, and transportation uses. The Site location is shown on Figure 1.

The Site contains an “E” designation for hazardous materials and is listed in the Department of City Planning “E” designation database as E-393. E-393 was established as part of the Lambert Houses Redevelopment Rezoning Final Environmental Impact Statement (FEIS). A Phase II Work Plan was prepared by AKRF in August 2019 and submitted to the New York City Office of Environmental Remediation (OER) for review, and the work plan was approved by OER in an email dated August 21, 2019. The SI was conducted in accordance with the OER-approved work plan and included the following scope of work:

1. A geophysical survey to identify the presence of any underground storage tanks (USTs) or any buried aboveground storage tanks (ASTs) across the accessible portions of the Site;
2. Advancement of 12 soil borings across the Site and collection of 21 soil samples for laboratory analysis to evaluate soil quality;
3. Installation of 4 temporary groundwater wells and collection of 4 groundwater samples for laboratory analysis to evaluate groundwater quality; and
4. Installation of 9 temporary soil vapor probes across the Site and collection 9 soil vapor samples for chemical analysis.

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

Soil Boring Advancement and Soil Sampling

A geophysical survey was conducted across the accessible portions of the Site prior to advancing the borings. No signs of an anomaly consistent with the presence of a UST or a buried AST were identified. Twelve soil borings were advanced at the Site between January 7 and 9, 2020 by Eastern Environmental Solutions, Inc. of Manorville, New York (Eastern) using a Geoprobe® direct push and a remote drill rig to depths ranging between approximately 3 and 25 feet below surface grade (ft bsg) at the locations shown on Figure 2. Samples were collected continuously from surface grade to boring termination depths. Soil samples were collected using three- or five-foot long, two-inch diameter, stainless steel macrocore piston rod samplers fitted with dedicated, internal acetate liners. Soil cores were field-screened for volatile organic compounds (VOCs) using a photoionization detector (PID) and logged using the modified Burmister soil classification system. The PID was calibrated at the beginning of each field day with isobutylene gas in accordance with the manufacturer's specifications. At each boring location, AKRF field personnel recorded and documented subsurface conditions. All sampling equipment was either dedicated or decontaminated between sampling locations.

One to two soil samples were submitted for chemical analysis from each soil boring. One sample was collected from the two-foot interval directly below ground surface from each of the borings; and from the 8 to 10 foot interval below ground surface (the approximate extent of proposed excavation for the proposed new building's basement) in soil borings SB-01 through SB-04, SB-07, SB-08, SB-10, and SB-12. Petroleum-like odors and elevated PID readings of up to approximately 470 parts per million (ppm) were detected in soil boring SB-02 between approximately 9 and 11 feet below surface grade; therefore, the second sample from that boring was collected from the 9- to 11-foot interval. A second soil sample was not collected from SB-05, SB-06, and SB-11 due to shallow refusal on bedrock (between approximately 2 and 5.5 feet below ground surface).

Soil cuttings were used to backfill the borehole from which they originated and subsequently patched at-grade to match pre-drilling conditions. Soil cuttings with PID readings in boring SB-02 were sampled for laboratory analysis and not used for backfilling the borehole. Disposable sampling equipment, including spoons, gloves, bags, paper towels, etc. that come in contact with environmental media were double bagged and disposed of as municipal trash in a facility trash dumpster as non-hazardous refuse.

Soil samples slated for laboratory analysis were labeled and placed in laboratory-supplied containers and shipped to the laboratory via courier with appropriate chain of custody documentation in accordance with United States Environmental Protection Agency (EPA) protocols to Alpha Analytical of Westborough, Massachusetts (Alpha), a New York State Department of Health Environmental Laboratory Approval Program (NYSDOH ELAP)-certified laboratory. The samples were analyzed for VOCs by EPA Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, polychlorinated biphenyls (PCBs) by EPA Method 8082, pesticides by EPA Method 8081, and total analyte list (TAL) metals by EPA Method 6000/7000 series plus hexavalent chromium by EPA Method 7196A. One sample (SB-09_0-2_20200108) was also analyzed for 1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM) and the NYSDEC list of 21 per- and polyfluoroalkyl substances (PFAS) compounds by EPA Method 537. Two trip blanks accompanied the samples and were analyzed for VOCs by EPA Method 8260. Soil boring logs are attached.

Groundwater Monitoring Well Installation and Development

Four 1-inch diameter temporary groundwater wells (TW-01, TW-03, TW-07, and TW-09) were installed between January 7 and 9, 2020 using a Geoprobe® drill rig operated by Eastern at the locations shown on Figure 2. The temporary groundwater wells were constructed with 10 feet of 0.020-inch slotted polyvinyl chloride (PVC) well screen installed approximately 5 feet into the groundwater table with a solid PVC riser

installed to the ground surface. Each well was finished with a No. 2 morie sandpack surrounding and at least 2 feet above the well screen.

Following installation, each well was developed via pumping with a peristaltic pump and dedicated polyethylene tubing to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer.

Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. After development, groundwater samples were collected via low flow sampling with dedicated and decontaminated sampling equipment. No free phase product was detected in any of the groundwater monitoring wells during installation, purging, or sampling. Purge water from TW-07 and TW-09 was monitored with a Horiba U-52 water quality monitor during development, and prior to sample collection. Development continued until turbidity within the well was less than 50 nephelometric turbidity units (NTUs) for three successive readings and until water quality indicators stabilized to within 10% for pH, temperature, oxidation reduction potential (ORP), dissolved oxygen, and specific conductivity. Due to slow well recharge rate, water quality parameters could not be collected at TW-01 and TW-03.

Groundwater samples slated for laboratory analysis were placed in laboratory-supplied containers and shipped in accordance with appropriate EPA protocols to Alpha. Due to limited sample volume, groundwater samples from TW-01 and TW-03 were analyzed for VOCs by EPA Method 8260 only. Samples TW-07 and TW-09 were analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, PCBs by EPA Method 8082, pesticides by EPA Method 8081, and total and dissolved TAL metals by EPA Method 6000/7000 series plus hexavalent chromium by EPA Method 7196A. Metals filtering occurred in the field. One sample (TW-09_20200108) was also analyzed for 1,4-dioxane by EPA Method 8270D SIM and the NYSDEC list of 21 PFAS compounds by EPA Method 537. One trip blank accompanied the samples and was analyzed for VOCs by EPA Method 8260. Groundwater sampling logs are attached.

Temporary Soil Vapor Point Installation

Nine temporary sub-slab/soil vapor points were installed by Eastern on January 7 through 9, 2020 and nine soil vapor samples were collected for chemical analysis by AKRF on January 9, 2020. Sub-slab soil vapor points SV-05 and SV-06 were installed at approximately 5.5 ft bsg and at 2.5 ft bsg, respectively, due to shallow bedrock. The remainder of the soil vapor points were installed at approximately 10 feet below grade.

The temporary soil vapor sampling points were installed by advancing an expendable drive point using a Geoprobe® direct-push drill rig. At each monitoring point, a six-inch stainless steel screen implant connected to Teflon™-lined polyethylene tubing was installed through the drilling rods and threaded into the drive point. The sampling tubing was extended from the bottom end of the screen to above grade. The rods were then removed and the borings were backfilled with clean silica sand to six inches above the screen. Hydrated bentonite was used to fill the remaining void around the sampling tubing to the ground surface.

Prior to sample collection, each temporary soil vapor sampling point was purged of three sample volumes using a GilAir Plus at a flow rate of 0.2 liters per minute. During purging, a shroud was placed over each sampling point and helium gas was introduced through a small hole in the shroud to saturate the atmosphere around the sample port with helium gas. Purged vapors were collected in a Tedlar® bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points passed the seal integrity tests. PID readings detected in the purged vapors ranged between 0.3 ppm and 2.1 ppm.

After purging, each probe was connected via Teflon™-lined polyethylene tubing to a laboratory-supplied 6-Liter SUMMA® canister equipped with a flow regulator set to collect a sample over a two-hour sampling

period; samples were collected concurrently. Immediately after opening the flow control valve, the initial SUMMA[®] canister vacuum (inches of mercury) was noted. After approximately two hours, the flow controller valve was closed, the final vacuum noted, and the canister was placed in a shipping carton for delivery to the laboratory.

All samples were analyzed for VOCs by EPA Method TO-15 by Alpha Analytical of Mansfield, Massachusetts. Sample containers were labeled and shipped to the laboratory via courier with appropriate chain of custody documentation. Soil vapor sampling logs are attached.

Geology and Hydrogeology

Soil beneath the Site consisted of fill material (sand, gravel, silt, concrete, wood, brick, asphalt,) to boring termination. Weathered bedrock beneath the Site was observed at highly variable depths, ranging from 2 to 5.5 feet along the western portion of the Site and dipped down to approximately 12 feet on the southern and eastern portion of the Site; bedrock was not encountered above 25 feet in the central portion of the Site. Petroleum-like odors and elevated PID readings up to approximately 470 ppm were detected on the east-central portion of the Site in soil boring SB-02 between approximately 9 and 11 ft bgs; refusal was encountered at 11 feet below surface grade at that location. Groundwater was encountered above apparent bedrock in some of the borings and was measured in the temporary wells at depths between approximately 9 and 18.7 feet below surface grade, see attached sampling logs. Groundwater likely flows in a generally easterly direction beneath the Site towards the Bronx River, located east-adjacent to the Site.

Analytical Results

Soil

Soil sample analytical results were compared to the 6 New York Code of Rules and Regulations (NYCRR) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs), the applicable Soil Cleanup Objectives (SCOs) for the proposed future use of the Site. Results are summarized in Tables 1 through 6 and on Figure 3.

VOCs were not detected at concentrations above UUSCOs or RRSCOs. Seven SVOCs [benzo(a)anthracene [maximum concentration of 19 milligrams per kilograms (mg/kg)], benzo(a)pyrene (maximum concentration of 14 ppm), benzo(b)fluoranthene (maximum concentration of 19 mg/kg), benzo(k)fluoranthene (maximum concentration of 6.7 mg/kg), chrysene (maximum concentration of 16 mg/kg), dibenz(a,h)anthracene (maximum concentration of 2.5 mg/kg), and indeno(1,2,3-cd)pyrene (maximum concentration of 9 mg/kg)] were detected at concentrations above UUSCOs and/or RRSCOs in 11 of the 21 samples. Total SVOCs were detected at concentrations up to an estimated 235.7 mg/kg in sample SB-12_0-2_20200107. Six pesticides (cis-chlordane, dieldrin, heptachlor, P,P'-DDD, P,P'-DDE, and P,P'-DDT) were detected in the soil samples at concentrations above UUSCOs, but below RRSCOs. Total PCBs were detected above the UUSCO of 0.1 mg/kg, but below the RRSCO of 1 mg/kg in 5 samples (SB-01_0-2_20200107, SB-04_0-2_20200109, SB-07_8-10_20200107, SB-10_0-2_20200107, and SB-10_8-10_20200107) at concentrations up to 0.176 mg/kg in sample SB-04_0-2_20200109. Seven metals (arsenic, cadmium, copper, lead, mercury, nickel, and zinc) were detected above UUSCOs in the samples. Arsenic (maximum concentration of 80.8 mg/kg), cadmium (maximum concentration of 7.15 mg/kg), and nickel (concentration of 354 mg/kg) were also detected at concentrations above RRSCOs. Four of the 21 per- and polyfluoroalkyl substances (PFAS) analyzed for in sample SB-03_0-2_20200108 were detected at estimated trace concentrations ranging from 0.000028 ppm to 0.000298 ppm. 1,4-Dioxane was not detected in the samples analyzed.

Groundwater

Groundwater sample analytical results were compared to the NYSDEC Technical and Operational Guidance Series (TOGs) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs). Although New York State does not have standards or guidance values for PFAS, the totals were compared

to the United States Environmental Protection Agency's ("EPA") Drinking Water Health Advisory Level (DWHAL) of 70 nanograms per liter (ng/L). Groundwater sample analytical results are presented in Attached Tables 7 through 13. Groundwater sample concentrations exceeding AWQSGVs are shown on Figure 4.

VOCs were not detected at concentrations above AWQSGVs in the groundwater samples. Six SVOCs were detected at concentrations above AWQSGVs in the two groundwater samples analyzed for SVOCs, including benzo(a)anthracene and benzo(a)pyrene at concentrations up to 0.45 micrograms per liter (µg/L), benzo(b)fluoranthene at concentrations up to 0.61 µg/L, benzo(k)fluoranthene at concentrations up to 0.2 µg/L, chrysene at concentrations up to 0.34 µg/L, and indeno(1,2,3-cd)pyrene at concentrations up to 0.36 µg/L. The pesticide dieldrin was detected in sample TW-09_20200108 at an estimated trace concentration of 0.006 micrograms per liter (µg/L), above the AWQSGV of 0.004 µg/L. No other pesticides were detected at concentrations above AWQSGVs. The PCB Aroclor 1260 was detected in sample TW-09_20200108 at a concentration of 0.125 µg/L, above the AWQSGV for total PCBs of 0.09 µg/L. No other PCBs were detected above laboratory reporting limits in the two groundwater samples analyzed for PCBs. Ten PFAS were detected in the one sample, TW-09_20200108, analyzed for the compounds and at concentrations ranging from 1.66 ng/L to 40.9 ng/L with a total PFAS concentration of 78.5 ng/L, well below the combined USEPA DWHAL of 70 ng/L. 1,4-Dioxane was not detected in the one sample (TW-09_20200108) analyzed for the compound. Metals, four in total (unfiltered) metals analyses and three in dissolved (filtered) metals analyses, were detected above AWQSGVs in the groundwater samples, as summarized in the table below.

Groundwater Exceedances of Metals

Compound	Sample Identification	NYSDEC AWQSGV (µg/L)	Total Sample Concentration (µg/L)	Dissolved Sample Concentration (µg/L)
Iron	TW-09_20200108	300	2,440	1,200
Lead	TW-09_20200108	25	55.2	NE
Manganese	TW-07_20200107	300	372.3	363.2
	TW-09_20200108		526.8	481
Sodium	TW-07_20200107	20,000	246,000	201,000
	TW-09_20200108		94,900	95,800
NE – No Exceedance				

Soil Vapor

There are currently no published guidelines for soil vapor; therefore, soil vapor data is presented without comparative standards. Results are summarized in Table 14 and on Figure 5.

Elevated concentrations of the chlorinated VOCs trichloroethylene (TCE) and tetrachloroethylene (PCE) were detected in soil vapor beneath the Site with the greatest concentration of PCE and TCE in soil vapor sample SV-08_20200109, 3,630 micrograms per cubic meter (µg/m³) and 1,370 µg/m³, respectively, which was collected from the southeastern portion of the Site, the area with historic industrial usage.

AKRF concludes that these soil, groundwater, and soil vapor contaminants appear to be associated with historic fill, and former industrial/manufacturing at the Site.

Please call me at (646) 388-9544 if you have any questions or comments.

Sincerely,
AKRF, Inc.



Deborah Shapiro, QEP
Senior Vice President

cc: Ashutosh Sharma, AKRF

Enc.

Tables 1 through 14 – Laboratory Analytical Results

Soil Boring Logs, Low-Flow Groundwater Sampling Logs, and Soil Vapor Sampling Logs

Figure 1 – Site Location

Figure 2 – Site Plan and Sample Locations

Figure 3 – Soil Samples Above NYSDEC UUSCOs and/or RRSCOs

Figure 4 – Groundwater Sample Concentrations above NYSDEC AWQSGVs

Figure 5 – Soil Vapor Sample Concentrations

TABLES

Table 1
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	SB-01 0-2 20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 1	SB-01 8-10 20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 1	SB-02 0-2 20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 1	SB-02 9-11 20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 10	SB-03 0-2 20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 1	SB-03 8-10 20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
1,1,1-Trichloroethane	0.68	100	0.00063 U	0.00046 U	0.00056 U	0.00047 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
1,1,2-Trichloroethane	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,1-Dichloroethane	0.27	26	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,1-Dichloroethene	0.33	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,1-Dichloropropene	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
1,2,3-Trichlorobenzene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2,3-Trichloropropane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2,4-Trichlorobenzene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	52	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0038 U	0.0028 U	0.0034 U	0.0028 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,2-Dichlorobenzene	1.1	100	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,2-Dichloroethane	0.02	3.1	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,2-Dichloropropane	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,3-Dichlorobenzene	2.4	49	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,3-Dichloropropane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,4-Dichlorobenzene	1.8	13	0.0025 U	0.0018 U	0.0022 U	0.0019 U
1,4-Diethyl Benzene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
2,2-Dichloropropane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
2-Chlorotoluene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
2-Hexanone	NS	NS	0.013 U	0.0093 U	0.011 U	0.0094 U
4-Chlorotoluene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
4-Ethyltoluene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Acetone	0.05	100	0.013 U	0.0093 U	0.011 U	0.0094 U
Acrylonitrile	NS	NS	0.0051 U	0.0037 U	0.0045 U	0.0038 U
Benzene	0.06	4.8	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Bromobenzene	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Bromochloromethane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Bromodichloromethane	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Bromoform	NS	NS	0.0051 U	0.0037 U	0.0045 U	0.0038 U
Bromomethane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Carbon Disulfide	NS	NS	0.013 U	0.0093 U	0.011 U	0.0094 U
Carbon Tetrachloride	0.76	2.4	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Chlorobenzene	1.1	100	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Chloroethane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Chloroform	0.37	49	0.0019 U	0.00042 U	0.0017 U	0.0014 U
Chloromethane	NS	NS	0.0051 U	0.0037 U	0.0045 U	0.0038 U
Cis-1,2-Dichloroethylene	0.25	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Cis-1,3-Dichloropropene	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Cymene	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Dibromochloromethane	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Dibromomethane	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Dichlorodifluoromethane	NS	NS	0.013 U	0.0093 U	0.011 U	0.0094 U
Dichloroethylenes	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Diethyl Ether (Ethyl Ether)	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Ethylbenzene	1	41	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Isopropylbenzene (Cumene)	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
M,P-Xylenes	NS	NS	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.013 U	0.0093 U	0.011 U	0.0094 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.013 U	0.0093 U	0.011 U	0.0094 U
Methylene Chloride	0.05	100	0.0063 U	0.00046 U	0.00056 U	0.00047 U
N-Butylbenzene	12	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
N-Propylbenzene	3.9	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Sec-Butylbenzene	11	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Styrene	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
T-Butylbenzene	5.9	100	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Tert-Butyl Methyl Ether	0.93	100	0.0025 U	0.0018 U	0.0022 U	0.0019 U
Tetrachloroethylene (PCE)	1.3	19	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Toluene	0.7	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Total, 1,3-Dichloropropene (Cis And Trans)	NS	NS	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Trans-1,2-Dichloroethene	0.19	100	0.0019 U	0.0014 U	0.0017 U	0.0014 U
Trans-1,3-Dichloropropene	NS	NS	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Trans-1,4-Dichloro-2-Butene	NS	NS	0.0063 U	0.0046 U	0.0056 U	0.0047 U
Trichloroethylene (TCE)	0.47	21	0.00063 U	0.00046 U	0.00056 U	0.00047 U
Trichlorofluoromethane	NS	NS	0.0051 U	0.0037 U	0.0045 U	0.0038 U
Vinyl Acetate	NS	NS	0.013 U	0.0093 U	0.011 U	0.0094 U
Vinyl Chloride	0.02	0.9	0.0013 U	0.00093 U	0.0011 U	0.00094 U
Xylenes, Total	0.26	100	0.0013 U	0.00093 U	0.0011 U	0.00094 U

Table 1
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 1	SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 1	SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 1	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 1	SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 1	SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
1,1,1-Trichloroethane	0.68	100	0.00046 U	0.00072 U	0.00051 U	0.00057 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
1,1,2-Trichloroethane	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,1-Dichloropropene	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
1,2,3-Trichlorobenzene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2,3-Trichloropropane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2,4-Trichlorobenzene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2,4-Trimethylbenzene	3.6	52	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0028 U	0.0043 U	0.003 U	0.0034 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,2-Dichloroethane	0.02	3.1	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,3-Dichlorobenzene	2.4	49	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,3-Dichloropropane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,4-Dichlorobenzene	1.8	13	0.0019 U	0.0029 U	0.002 U	0.0023 U
1,4-Diethyl Benzene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
2,2-Dichloropropane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
2-Chlorotoluene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
2-Hexanone	NS	NS	0.0093 U	0.014 U	0.01 U	0.011 U
4-Chlorotoluene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
4-Ethyltoluene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Acetone	0.05	100	0.0093 U	0.014 U	0.01 U	0.0061 J
Acrylonitrile	NS	NS	0.0037 U	0.0057 U	0.004 U	0.0046 U
Benzene	0.06	4.8	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Bromobenzene	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Bromochloromethane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Bromodichloromethane	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Bromoform	NS	NS	0.0037 U	0.0057 U	0.004 U	0.0046 U
Bromomethane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Carbon Disulfide	NS	NS	0.0093 U	0.014 U	0.01 U	0.011 U
Carbon Tetrachloride	0.76	2.4	0.00093 U	0.0014 U	0.001 U	0.0011 U
Chlorobenzene	1.1	100	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Chloroethane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Chloroform	0.37	49	0.0014 U	0.0021 U	0.0015 U	0.0017 U
Chloromethane	NS	NS	0.0037 U	0.0057 U	0.004 U	0.0046 U
Cis-1,2-Dichloroethylene	0.25	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Cymene	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
Dibromochloromethane	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
Dibromomethane	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Dichlorodifluoromethane	NS	NS	0.0093 U	0.014 U	0.01 U	0.011 U
Dichloroethylenes	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
Diethyl Ether (Ethyl Ether)	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Ethylbenzene	1	41	0.00093 U	0.0014 U	0.001 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
M,P-Xylenes	NS	NS	0.0019 U	0.0029 U	0.002 U	0.0023 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0093 U	0.014 U	0.01 U	0.011 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0093 U	0.014 U	0.01 U	0.011 U
Methylene Chloride	0.05	100	0.0046 U	0.0072 U	0.0051 U	0.0057 U
N-Butylbenzene	12	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
N-Propylbenzene	3.9	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
Sec-Butylbenzene	11	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
Styrene	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
T-Butylbenzene	5.9	100	0.0019 U	0.0029 U	0.002 U	0.0023 U
Tert-Butyl Methyl Ether	0.93	100	0.0019 U	0.0029 U	0.002 U	0.0023 U
Tetrachloroethylene (PCE)	1.3	19	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Toluene	0.7	100	0.00093 U	0.0014 U	0.001 U	0.0011 U
Total, 1,3-Dichloropropene (Cis And Trans)	NS	NS	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Trans-1,2-Dichloroethene	0.19	100	0.0014 U	0.0021 U	0.0015 U	0.0017 U
Trans-1,3-Dichloropropene	NS	NS	0.00093 U	0.0014 U	0.001 U	0.0011 U
Trans-1,4-Dichloro-2-Butene	NS	NS	0.0046 U	0.0072 U	0.0051 U	0.0057 U
Trichloroethylene (TCE)	0.47	21	0.00046 U	0.00072 U	0.00051 U	0.00057 U
Trichlorofluoromethane	NS	NS	0.0037 U	0.0057 U	0.004 U	0.0046 U
Vinyl Acetate	NS	NS	0.0093 U	0.014 U	0.01 U	0.011 U
Vinyl Chloride	0.02	0.9	0.00093 U	0.0014 U	0.001 U	0.0011 U
Xylenes, Total	0.26	100	0.00093 U	0.0014 U	0.001 U	0.0011 U

Table 1
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 1	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 1	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 1	SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 1	SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 1	SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00052 U
1,1,1-Trichloroethane	0.68	100	0.00046 U	0.00055 U	0.00051 U	0.00052 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00052 U
1,1,2-Trichloroethane	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,1-Dichloroethane	0.27	26	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,1-Dichloroethene	0.33	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,1-Dichloropropene	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00052 U
1,2,3-Trichlorobenzene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2,3-Trichloropropane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2,4-Trichlorobenzene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2,4-Trimethylbenzene	3.6	52	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0027 U	0.0033 U	0.003 U	0.0029 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,2-Dichlorobenzene	1.1	100	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,2-Dichloroethane	0.02	3.1	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,2-Dichloropropane	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,3-Dichlorobenzene	2.4	49	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,3-Dichloropropane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,4-Dichlorobenzene	1.8	13	0.0018 U	0.0022 U	0.002 U	0.0021 U
1,4-Diethyl Benzene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
2,2-Dichloropropane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
2-Chlorotoluene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
2-Hexanone	NS	NS	0.0091 U	0.011 U	0.01 U	0.0096 U
4-Chlorotoluene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
4-Ethyltoluene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Acetone	0.05	100	0.0091 U	0.011 U	0.01 U	0.0096 U
Acrylonitrile	NS	NS	0.0036 U	0.0044 U	0.0041 U	0.0038 U
Benzene	0.06	4.8	0.00046 U	0.00055 U	0.00051 U	0.00048 U
Bromobenzene	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Bromochloromethane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Bromodichloromethane	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00048 U
Bromoform	NS	NS	0.0036 U	0.0044 U	0.0041 U	0.0038 U
Bromomethane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Carbon Disulfide	NS	NS	0.0091 U	0.011 U	0.01 U	0.0096 U
Carbon Tetrachloride	0.76	2.4	0.00091 U	0.0011 U	0.001 U	0.00096 U
Chlorobenzene	1.1	100	0.00046 U	0.00055 U	0.00051 U	0.00048 U
Chloroethane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Chloroform	0.37	49	0.0014 U	0.00047 J	0.0015 U	0.0014 U
Chloromethane	NS	NS	0.0036 U	0.0044 U	0.0041 U	0.0038 U
Cis-1,2-Dichloroethylene	0.25	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
Cis-1,3-Dichloropropene	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00048 U
Cymene	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
Dibromochloromethane	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
Dibromomethane	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Dichlorodifluoromethane	NS	NS	0.0091 U	0.011 U	0.01 U	0.0096 U
Dichloroethylenes	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
Diethyl Ether (Ethyl Ether)	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Ethylbenzene	1	41	0.00091 U	0.0011 U	0.001 U	0.00096 U
Isopropylbenzene (Cumene)	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
M,P-Xylenes	NS	NS	0.0018 U	0.0022 U	0.002 U	0.0021 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0091 U	0.011 U	0.01 U	0.0096 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0091 U	0.011 U	0.01 U	0.0096 U
Methylene Chloride	0.05	100	0.0046 U	0.0055 U	0.0051 U	0.0048 U
N-Butylbenzene	12	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
N-Propylbenzene	3.9	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
Sec-Butylbenzene	11	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
Styrene	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
T-Butylbenzene	5.9	100	0.0018 U	0.0022 U	0.002 U	0.0021 U
Tert-Butyl Methyl Ether	0.93	100	0.0018 U	0.0022 U	0.002 U	0.0021 U
Tetrachloroethylene (PCE)	1.3	19	0.00046 U	0.0024 U	0.00051 U	0.00048 U
Toluene	0.7	100	0.00091 U	0.0011 U	0.001 U	0.00096 U
Total, 1,3-Dichloropropene (Cis And Trans)	NS	NS	0.00046 U	0.00055 U	0.00051 U	0.00048 U
Trans-1,2-Dichloroethene	0.19	100	0.0014 U	0.0016 U	0.0015 U	0.0016 U
Trans-1,3-Dichloropropene	NS	NS	0.00091 U	0.0011 U	0.001 U	0.00096 U
Trans-1,4-Dichloro-2-Butene	NS	NS	0.0046 U	0.0055 U	0.0051 U	0.0048 U
Trichloroethylene (TCE)	0.47	21	0.00046 U	0.00025 J	0.00051 U	0.00048 U
Trichlorofluoromethane	NS	NS	0.0036 U	0.0044 U	0.0041 U	0.0038 U
Vinyl Acetate	NS	NS	0.0091 U	0.011 U	0.01 U	0.0096 U
Vinyl Chloride	0.02	0.9	0.00091 U	0.0011 U	0.001 U	0.00096 U
Xylenes, Total	0.26	100	0.00091 U	0.0011 U	0.001 U	0.00096 U

Table 1
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor	SB-11 0-2 20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 1		SB-12 0-2 20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 4		SB-12 8-10 20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 1		TB-01 20200107 L2000638-13 1/7/2020 µg/L 1		TB-02 20200108 L2000638-22 1/8/2020 µg/L 1		TB-03 20200109 L2000638-28 1/9/2020 µg/L 1	
	NYSDEC UUSCO		NYSDEC RRSO		CONC Q		CONC Q		CONC Q		CONC Q	
	Compound		CONC Q		CONC Q		CONC Q		CONC Q		CONC Q	
1,1,1,2-Tetrachloroethane	NS	NS	0.00054 U	0.12 U	0.00082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	0.68	100	0.00054 U	0.12 U	0.00082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	NS	NS	0.00054 U	0.12 U	0.00082 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	NS	NS	0.0011 U	0.25 U	0.0016 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	0.27	26	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	0.33	100	0.0011 U	0.25 U	0.0016 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	NS	NS	0.00054 U	0.12 U	0.00082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	NS	NS	0.0022 U	0.17 J	0.0033 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2,4-Trichlorobenzene	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	3.6	52	0.0022 U	0.25 J	0.00097 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0032 U	0.74 U	0.0049 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0011 U	0.25 U	0.0016 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
1,2-Dichlorobenzene	1.1	100	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.02	3.1	0.0011 U	0.25 U	0.0016 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	NS	NS	0.0011 U	0.25 U	0.0016 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	0.0022 U	0.11 J	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	2.4	49	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	1.8	13	0.0022 U	0.5 U	0.00034 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	NS	0.0022 U	0.27 J	0.0033 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
2,2-Dichloropropane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
2-Hexanone	NS	NS	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-Chlorotoluene	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	NS	0.0022 U	0.5 U	0.0033 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Acetone	0.05	100	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Acrylonitrile	NS	NS	0.0043 U	0.99 U	0.0065 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Benzene	0.06	4.8	0.00054 U	0.12 U	0.00082 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromobenzene	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromochloromethane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Bromodichloromethane	NS	NS	0.00054 U	0.12 U	0.00082 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Bromoform	NS	NS	0.0043 U	0.99 U	0.0065 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Bromomethane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Carbon Disulfide	NS	NS	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride	0.76	2.4	0.0011 U	0.25 U	0.0016 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Chlorobenzene	1.1	100	0.00054 U	0.12 U	0.00082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroethane	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloroform	0.37	49	0.0016 U	0.37 U	0.0016 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Chloromethane	NS	NS	0.0043 U	0.99 U	0.0065 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	0.25	100	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	NS	0.00054 U	0.12 U	0.00082 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Cymene	NS	NS	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Dibromochloromethane	NS	NS	0.0011 U	0.25 U	0.0016 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Dibromomethane	NS	NS	0.0022 U	0.5 U	0.0033 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichlorodifluoromethane	NS	NS	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Dichloroethylenes	NS	NS	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Ethylbenzene	1	41	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	NS	NS	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
M,P-Xylenes	NS	NS	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	0.05	100	0.0054 U	1.2 U	0.0082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Butylbenzene	12	100	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
N-Propylbenzene	3.9	100	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	11	100	0.0011 U	0.25 U	0.00071 J	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Styrene	NS	NS	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5.9	100	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	0.93	100	0.0022 U	0.5 U	0.0033 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	1.3	19	0.00054 U	0.053 J	0.0031	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Toluene	0.7	100	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	NS	NS	0.00054 U	0.12 U	0.00082 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	0.19	100	0.0016 U	0.37 U	0.0024 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	NS	0.0011 U	0.25 U	0.0016 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	NS	NS	0.0054 U	1.2 U	0.0082 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	0.47	21	0.00054 U	0.11 J	0.014	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	NS	NS	0.0043 U	0.99 U	0.0065 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	NS	0.011 U	2.5 U	0.016 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
Vinyl Chloride	0.02	0.9	0.0011 U	0.25 U	0.0016 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Xylenes, Total	0.26	100	0.0011 U	0.25 U	0.0016 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U	2.5 U

Table 2
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Soil

Compound	AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 1	SB-01_8-10_20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 1	SB-02_0-2_20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 1	SB-02_9-11_20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 5	SB-03_0-2_20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 1
	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.11 U	0.11 U	0.12 U	0.6 U	0.11 U
2,4-Dichlorophenol	NS	NS	0.17 U	0.17 U	0.17 U	0.89 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2,4-Dinitrophenol	NS	NS	0.89 U	0.92 U	0.92 U	4.8 U	0.88 U
2,4-Dinitrotoluene	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2,6-Dinitrotoluene	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2-Chloronaphthalene	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2-Chlorophenol	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2-Methylnaphthalene	NS	NS	0.059 J	0.23 U	0.029 J	1.2 U	0.046 J
2-Methylphenol (O-Cresol)	0.33	100	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2-Nitroaniline	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
2-Nitrophenol	NS	NS	0.4 U	0.41 U	0.42 U	2.1 U	0.4 U
3,3'-Dichlorobenzidine	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
3-Methylphenol/4-Methylphenol	NS	NS	0.037 J	0.28 U	0.28 U	1.4 U	0.26 U
3-Nitroaniline	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.48 U	0.5 U	0.5 U	2.6 U	0.48 U
4-Bromophenyl Phenyl Ether	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4-Chloro-3-Methylphenol	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4-Chloroaniline	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4-Nitroaniline	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
4-Nitrophenol	NS	NS	0.26 U	0.27 U	0.27 U	1.4 U	0.26 U
Acenaphthene	20	100	0.15	0.15 U	0.11 J	0.79 U	0.074 J
Acenaphthylene	100	100	0.48	0.042 J	0.59	0.79 U	0.2
Acetophenone	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Anthracene	100	100	0.64	0.045 J	0.61	0.6 U	0.23
Benzo(a)Anthracene	1	1	2.4	0.16	1.8	0.15 J	0.67
Benzo(a)Pyrene	1	1	2.1	0.17	2.6	0.79 U	0.56
Benzo(b)Fluoranthene	1	1	3.3	0.24	3.5	0.2 J	0.75
Benzo(g,h,i)Perylene	100	100	1.6	0.14 J	1.3	0.12 J	0.4
Benzo(k)Fluoranthene	0.8	3.9	1	0.072 J	0.75	0.6 U	0.26
Benzoic Acid	NS	NS	0.6 U	0.62 U	0.62 U	3.2 U	0.6 U
Benzyl Alcohol	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Benzyl Butyl Phthalate	NS	NS	0.13 J	0.19 U	0.19 U	0.99 U	0.18 U
Biphenyl (Diphenyl)	NS	NS	0.42 U	0.44 U	0.44 U	2.3 U	0.42 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.2 U	0.21 U	0.21 U	1.1 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.17 U	0.17 U	0.17 U	0.89 U	0.16 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.22 U	0.23 U	0.23 U	1.2 U	0.22 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.29	0.14 J	0.16 J	0.99 U	0.16 J
Carbazole	NS	NS	0.34	0.027 J	0.27	0.99 U	0.084 J
Chrysene	1	3.9	2.2	0.17	1.5	0.14 J	0.61
Dibenz(a,h)Anthracene	0.33	0.33	0.41	0.035 J	0.32	0.6 U	0.1 J
Dibenzofuran	7	59	0.095 J	0.19 U	0.067 J	0.99 U	0.051 J
Diethyl Phthalate	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Dimethyl Phthalate	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Di-N-Butyl Phthalate	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Di-N-Octylphthalate	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Fluoranthene	100	100	4.3	0.27	3.3	0.3 J	1.3
Fluorene	30	100	0.16 J	0.19 U	0.14 J	0.99 U	0.12 J
Hexachlorobenzene	0.33	1.2	0.11 U	0.11 U	0.12 U	0.6 U	0.11 U
Hexachlorobutadiene	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Hexachlorocyclopentadiene	NS	NS	0.53 U	0.55 U	0.55 U	2.8 U	0.53 U
Hexachloroethane	NS	NS	0.15 U	0.15 U	0.15 U	0.79 U	0.15 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	1.8	0.15	1.5	0.79 U	0.44
Isophorone	NS	NS	0.17 U	0.17 U	0.17 U	0.89 U	0.16 U
Naphthalene	12	100	0.12 J	0.19 U	0.081 J	0.14 J	0.084 J
Nitrobenzene	NS	NS	0.17 U	0.17 U	0.17 U	0.89 U	0.16 U
N-Nitrosodi-N-Propylamine	NS	NS	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
N-Nitrosodiphenylamine	NS	NS	0.15 U	0.15 U	0.15 U	0.79 U	0.15 U
Pentachlorophenol	0.8	6.7	0.15 U	0.15 U	0.15 U	0.79 U	0.15 U
Phenanthrene	100	100	2.2	0.14	1.7	0.15 J	0.79
Phenol	0.33	100	0.18 U	0.19 U	0.19 U	0.99 U	0.18 U
Pyrene	100	100	3.6	0.26	2.9	0.26 J	1.3

Table 2
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-03_8-10_20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 1	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 1	SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 1	SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 1	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2,4-Dinitrophenol	NS	NS	0.94 U	0.9 U	0.94 U	0.9 U	0.87 U
2,4-Dinitrotoluene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2,6-Dinitrotoluene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2-Chloronaphthalene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2-Chlorophenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2-Methylnaphthalene	NS	NS	0.031 J	0.22 U	0.23 U	0.22 U	0.22 U
2-Methylphenol (O-Cresol)	0.33	100	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
2-Nitrophenol	NS	NS	0.42 U	0.4 U	0.42 U	0.4 U	0.39 U
3,3'-Dichlorobenzidine	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
3-Methylphenol/4-Methylphenol	NS	NS	0.28 U	0.27 U	0.28 U	0.27 U	0.26 U
3-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.51 U	0.49 U	0.51 U	0.49 U	0.47 U
4-Bromophenyl Phenyl Ether	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4-Chloro-3-Methylphenol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4-Chloroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4-Nitroaniline	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
4-Nitrophenol	NS	NS	0.27 U	0.26 U	0.27 U	0.26 U	0.25 U
Acenaphthene	20	100	0.028 J	0.15 U	0.16 U	0.026 J	0.074 J
Acenaphthylene	100	100	0.07 J	0.17	0.055 J	0.15	0.3
Acetophenone	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Anthracene	100	100	0.13	0.09 J	0.12 U	0.16	0.39
Benzo(a)Anthracene	1	1	0.57	0.29	0.14	0.58	1.6
Benzo(a)Pyrene	1	1	0.6	0.31	0.14 J	0.67	1.4
Benzo(b)Fluoranthene	1	1	0.73	0.46	0.19	0.79	1.8
Benzo(g,h,i)Perylene	100	100	0.41	0.24	0.13 J	0.41	1
Benzo(k)Fluoranthene	0.8	3.9	0.25	0.1 J	0.059 J	0.23	0.62
Benzoic Acid	NS	NS	0.63 U	0.61 U	0.63 U	0.6 U	0.59 U
Benzyl Alcohol	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Benzyl Butyl Phthalate	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Biphenyl (Diphenyl)	NS	NS	0.44 U	0.43 U	0.44 U	0.43 U	0.41 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.21 U	0.2 U	0.21 U	0.2 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.23 U	0.22 U	0.23 U	0.22 U	0.22 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.2 U	0.19 U	0.2 U	0.12 J	0.095 J
Carbazole	NS	NS	0.068 J	0.049 J	0.025 J	0.062 J	0.2
Chrysene	1	3.9	0.55	0.25	0.14	0.63	1.5
Dibenz(a,h)Anthracene	0.33	0.33	0.11 J	0.055 J	0.027 J	0.11	0.24
Dibenzofuran	7	59	0.022 J	0.19 U	0.2 U	0.019 J	0.047 J
Diethyl Phthalate	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Dimethyl Phthalate	NS	NS	0.2 U	0.23	0.06 J	0.073 J	0.18 U
Di-N-Butyl Phthalate	NS	NS	0.2 U	0.065 J	0.04 J	0.04 J	0.038 J
Di-N-Octylphthalate	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Fluoranthene	100	100	0.94	0.54	0.27	0.94	2.9
Fluorene	30	100	0.032 J	0.019 J	0.2 U	0.039 J	0.083 J
Hexachlorobenzene	0.33	1.2	0.12 U	0.11 U	0.12 U	0.11 U	0.11 U
Hexachlorobutadiene	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Hexachlorocyclopentadiene	NS	NS	0.56 U	0.54 U	0.56 U	0.53 U	0.52 U
Hexachloroethane	NS	NS	0.16 U	0.15 U	0.16 U	0.15 U	0.14 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.39	0.26	0.11 J	0.4	1
Isophorone	NS	NS	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U
Naphthalene	12	100	0.061 J	0.023 J	0.2 U	0.19 U	0.045 J
Nitrobenzene	NS	NS	0.18 U	0.17 U	0.18 U	0.17 U	0.16 U
N-Nitrosodi-N-Propylamine	NS	NS	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
N-Nitrosodiphenylamine	NS	NS	0.16 U	0.15 U	0.16 U	0.15 U	0.14 U
Pentachlorophenol	0.8	6.7	0.16 U	0.15 U	0.16 U	0.15 U	0.14 U
Phenanthrene	100	100	0.52	0.24	0.15	0.5	1.6
Phenol	0.33	100	0.2 U	0.19 U	0.2 U	0.19 U	0.18 U
Pyrene	100	100	0.91	0.48	0.24	0.98	2.8

Table 2
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Soil

Compound	AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 1	SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 1	SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 1	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 1	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 1
	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2,4,5-Trichlorophenol	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2,4,6-Trichlorophenol	NS	NS	0.12 U	0.12 U	0.11 U	0.1 U	0.11 U
2,4-Dichlorophenol	NS	NS	0.18 U	0.17 U	0.17 U	0.15 U	0.16 U
2,4-Dimethylphenol	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2,4-Dinitrophenol	NS	NS	0.99 U	0.93 U	0.91 U	0.82 U	0.87 U
2,4-Dinitrotoluene	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2,6-Dinitrotoluene	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2-Chloronaphthalene	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2-Chlorophenol	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2-Methylnaphthalene	NS	NS	0.25 U	0.11 J	0.052 J	0.2 U	0.22 U
2-Methylphenol (O-Cresol)	0.33	100	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2-Nitroaniline	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
2-Nitrophenol	NS	NS	0.44 U	0.42 U	0.41 U	0.37 U	0.39 U
3,3'-Dichlorobenzidine	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
3-Methylphenol/4-Methylphenol	NS	NS	0.3 U	0.28 U	0.27 U	0.25 U	0.26 U
3-Nitroaniline	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.54 U	0.5 U	0.49 U	0.44 U	0.47 U
4-Bromophenyl Phenyl Ether	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4-Chloro-3-Methylphenol	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4-Chloroaniline	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4-Nitroaniline	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
4-Nitrophenol	NS	NS	0.29 U	0.27 U	0.27 U	0.24 U	0.25 U
Acenaphthene	20	100	0.043 J	0.25	0.048 J	0.14 U	0.042 J
Acenaphthylene	100	100	0.18	0.83	1.1	0.14 U	1
Acetophenone	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Anthracene	100	100	0.18	1.3	0.36	0.1 U	0.77
Benzo(a)Anthracene	1	1	0.5	2.7	1.1	0.1 U	2.2
Benzo(a)Pyrene	1	1	0.46	2.1	1.6	0.14 U	1.6
Benzo(b)Fluoranthene	1	1	0.58	2.6	1.7	0.1 U	2.5
Benzo(g,h,i)Perylene	100	100	0.35	1.6	1.5	0.14 U	1.2
Benzo(k)Fluoranthene	0.8	3.9	0.23	0.82	0.8	0.1 U	0.92
Benzoic Acid	NS	NS	0.67 U	0.63 U	0.62 U	0.55 U	0.58 U
Benzyl Alcohol	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Benzyl Butyl Phthalate	NS	NS	0.21	0.19 U	0.19 U	0.17 U	0.18 U
Biphenyl (Diphenyl)	NS	NS	0.47 U	0.44 U	0.43 U	0.39 U	0.41 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.22 U	0.21 U	0.2 U	0.18 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.18 U	0.17 U	0.17 U	0.15 U	0.16 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.25 U	0.23 U	0.23 U	0.2 U	0.22 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.4	0.072 J	0.19 U	0.17 U	0.18 U
Carbazole	NS	NS	0.056 J	0.3	0.13 J	0.17 U	0.54
Chrysene	1	3.9	0.45	2.5	1.3	0.1 U	1.9
Dibenz(a,h)Anthracene	0.33	0.33	0.054 J	0.25	0.21	0.1 U	0.36
Dibenzofuran	7	59	0.024 J	0.14 J	0.044 J	0.17 U	0.039 J
Diethyl Phthalate	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Dimethyl Phthalate	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Di-N-Butyl Phthalate	NS	NS	0.19 J	0.11 J	0.19 U	0.17 U	0.18 U
Di-N-Octylphthalate	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Fluoranthene	100	100	0.97	5.1	1.8	0.1 U	5.5
Fluorene	30	100	0.048 J	0.38	0.077 J	0.17 U	0.1 J
Hexachlorobenzene	0.33	1.2	0.12 U	0.12 U	0.11 U	0.1 U	0.11 U
Hexachlorobutadiene	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Hexachlorocyclopentadiene	NS	NS	0.59 U	0.56 U	0.54 U	0.49 U	0.52 U
Hexachloroethane	NS	NS	0.16 U	0.16 U	0.15 U	0.14 U	0.14 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	0.35	1.7	1.6	0.14 U	1.5
Isophorone	NS	NS	0.18 U	0.17 U	0.17 U	0.15 U	0.16 U
Naphthalene	12	100	0.056 J	0.14 J	0.11 J	0.17 U	0.056 J
Nitrobenzene	NS	NS	0.18 U	0.17 U	0.17 U	0.15 U	0.16 U
N-Nitrosodi-N-Propylamine	NS	NS	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
N-Nitrosodiphenylamine	NS	NS	0.16 U	0.16 U	0.15 U	0.14 U	0.14 U
Pentachlorophenol	0.8	6.7	0.16 U	0.16 U	0.15 U	0.14 U	0.14 U
Phenanthrene	100	100	0.46	3.5	0.74	0.1 U	2.9
Phenol	0.33	100	0.21 U	0.19 U	0.19 U	0.17 U	0.18 U
Pyrene	100	100	0.97	5.5	1.9	0.1 U	4.5

Table 2
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 1	SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 5	SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 1	SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2,4,5-Trichlorophenol	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2,4,6-Trichlorophenol	NS	NS	0.11 U	0.59 U	0.12 U	0.11 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.89 U	0.18 U	0.17 U
2,4-Dimethylphenol	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2,4-Dinitrophenol	NS	NS	0.88 U	4.7 U	0.98 U	0.9 U
2,4-Dinitrotoluene	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2,6-Dinitrotoluene	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2-Chloronaphthalene	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2-Chlorophenol	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2-Methylnaphthalene	NS	NS	0.086 J	1.2 U	0.027 J	0.23 U
2-Methylphenol (O-Cresol)	0.33	100	0.18 U	0.99 U	0.2 U	0.19 U
2-Nitroaniline	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
2-Nitrophenol	NS	NS	0.4 U	2.1 U	0.44 U	0.41 U
3,3'-Dichlorobenzidine	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
3-Methylphenol/4-Methylphenol	NS	NS	0.032 J	1.4 U	0.29 U	0.27 U
3-Nitroaniline	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.48 U	2.6 U	0.53 U	0.49 U
4-Bromophenyl Phenyl Ether	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4-Chloro-3-Methylphenol	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4-Chloroaniline	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4-Nitroaniline	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
4-Nitrophenol	NS	NS	0.26 U	1.4 U	0.28 U	0.26 U
Acenaphthene	20	100	0.23	0.79 U	0.057 J	0.15 U
Acenaphthylene	100	100	0.59	0.51 J	0.2	0.066 J
Acetophenone	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Anthracene	100	100	0.9	0.32 J	0.26	0.079 J
Benzo(a)Anthracene	1	1	2.2	0.66	0.84	0.3
Benzo(a)Pyrene	1	1	1.8	0.69 J	0.82	0.28
Benzo(b)Fluoranthene	1	1	2.6	0.85	1	0.36
Benzo(g,h,i)Perylene	100	100	1.3	0.46 J	0.54	0.21
Benzo(k)Fluoranthene	0.8	3.9	0.6	0.38 J	0.38	0.13
Benzoic Acid	NS	NS	0.59 U	3.2 U	0.66 U	0.61 U
Benzyl Alcohol	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Benzyl Butyl Phthalate	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Biphenyl (Diphenyl)	NS	NS	0.42 U	2.2 U	0.46 U	0.43 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.2 U	1.1 U	0.22 U	0.2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.16 U	0.89 U	0.18 U	0.17 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.22 U	1.2 U	0.24 U	0.23 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.12 J	5.8	0.2 U	0.16 J
Carbazole	NS	NS	0.39	0.16 J	0.11 J	0.042 J
Chrysene	1	3.9	1.9	0.67	0.84	0.31
Dibenz(a,h)Anthracene	0.33	0.33	0.33	0.59 U	0.092 J	0.052 J
Dibenzofuran	7	59	0.18	0.99 U	0.03 J	0.19 U
Diethyl Phthalate	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Dimethyl Phthalate	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Di-N-Butyl Phthalate	NS	NS	0.18 U	0.99 U	0.2 U	0.052 J
Di-N-Octylphthalate	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Fluoranthene	100	100	4.4	1.3	1.6	0.58
Fluorene	30	100	0.3	0.11 J	0.059 J	0.019 J
Hexachlorobenzene	0.33	1.2	0.11 U	0.59 U	0.12 U	0.11 U
Hexachlorobutadiene	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
Hexachlorocyclopentadiene	NS	NS	0.52 U	2.8 U	0.58 U	0.54 U
Hexachloroethane	NS	NS	0.15 U	0.79 U	0.16 U	0.15 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	1.5	0.44 J	0.59	0.21
Isophorone	NS	NS	0.16 U	0.89 U	0.18 U	0.17 U
Naphthalene	12	100	0.2	0.99 U	0.058 J	0.19 U
Nitrobenzene	NS	NS	0.16 U	0.89 U	0.18 U	0.17 U
N-Nitrosodi-N-Propylamine	NS	NS	0.18 U	0.99 U	0.2 U	0.19 U
N-Nitrosodiphenylamine	NS	NS	0.15 U	0.79 U	0.16 U	0.15 U
Pentachlorophenol	0.8	6.7	0.15 U	0.79 U	0.16 U	0.15 U
Phenanthrene	100	100	3	0.72	0.89	0.31
Phenol	0.33	100	0.18 U	0.99 U	0.2 U	0.19 U
Pyrene	100	100	3.8	1.3	1.6	0.54

Table 2
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 10	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 10
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	1.9 U	1.8 U
2,4,5-Trichlorophenol	NS	NS	1.9 U	1.8 U
2,4,6-Trichlorophenol	NS	NS	1.1 U	1.1 U
2,4-Dichlorophenol	NS	NS	1.7 U	1.7 U
2,4-Dimethylphenol	NS	NS	1.9 U	1.8 U
2,4-Dinitrophenol	NS	NS	9.1 U	8.9 U
2,4-Dinitrotoluene	NS	NS	1.9 U	1.8 U
2,6-Dinitrotoluene	NS	NS	1.9 U	1.8 U
2-Chloronaphthalene	NS	NS	1.9 U	1.8 U
2-Chlorophenol	NS	NS	1.9 U	1.8 U
2-Methylnaphthalene	NS	NS	0.9 J	1.3 J
2-Methylphenol (O-Cresol)	0.33	100	1.9 U	1.8 U
2-Nitroaniline	NS	NS	1.9 U	1.8 U
2-Nitrophenol	NS	NS	4.1 U	4 U
3,3'-Dichlorobenzidine	NS	NS	1.9 U	1.8 U
3-Methylphenol/4-Methylphenol	NS	NS	2.7 U	2.7 U
3-Nitroaniline	NS	NS	1.9 U	1.8 U
4,6-Dinitro-2-Methylphenol	NS	NS	4.9 U	4.8 U
4-Bromophenyl Phenyl Ether	NS	NS	1.9 U	1.8 U
4-Chloro-3-Methylphenol	NS	NS	1.9 U	1.8 U
4-Chloroaniline	NS	NS	1.9 U	1.8 U
4-Chlorophenyl Phenyl Ether	NS	NS	1.9 U	1.8 U
4-Nitroaniline	NS	NS	1.9 U	1.8 U
4-Nitrophenol	NS	NS	2.6 U	2.6 U
Acenaphthene	20	100	2.3	0.33 J
Acenaphthylene	100	100	2.6	4
Acetophenone	NS	NS	1.9 U	1.8 U
Anthracene	100	100	8.9	2.4
Benzo(a)Anthracene	1	1	19	3.4
Benzo(a)Pyrene	1	1	14	3.8
Benzo(b)Fluoranthene	1	1	19	4.5
Benzo(g,h,i)Perylene	100	100	7.8	3.6
Benzo(k)Fluoranthene	0.8	3.9	6.7	1.6
Benzoic Acid	NS	NS	6.1 U	6 U
Benzyl Alcohol	NS	NS	1.9 U	1.8 U
Benzyl Butyl Phthalate	NS	NS	1.9 U	1.8 U
Biphenyl (Diphenyl)	NS	NS	4.3 U	4.2 U
Bis(2-Chloroethoxy) Methane	NS	NS	2 U	2 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	1.7 U	1.7 U
Bis(2-Chloroisopropyl) Ether	NS	NS	2.3 U	2.2 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	1.9 U	1.8 U
Carbazole	NS	NS	3.3	0.62 J
Chrysene	1	3.9	16	4.1
Dibenz(a,h)Anthracene	0.33	0.33	2.5	0.72 J
Dibenzofuran	7	59	2.6	0.29 J
Diethyl Phthalate	NS	NS	1.9 U	1.8 U
Dimethyl Phthalate	NS	NS	1.9 U	1.8 U
Di-N-Butyl Phthalate	NS	NS	1.9 U	1.8 U
Di-N-Octylphthalate	NS	NS	1.9 U	1.8 U
Fluoranthene	100	100	43	6
Fluorene	30	100	2.8	1 J
Hexachlorobenzene	0.33	1.2	1.1 U	1.1 U
Hexachlorobutadiene	NS	NS	1.9 U	1.8 U
Hexachlorocyclopentadiene	NS	NS	5.4 U	5.3 U
Hexachloroethane	NS	NS	1.5 U	1.5 U
Indeno(1,2,3-c,d)Pyrene	0.5	0.5	9	3.2
Isophorone	NS	NS	1.7 U	1.7 U
Naphthalene	12	100	1.3 J	1.8
Nitrobenzene	NS	NS	1.7 U	1.7 U
N-Nitrosodi-N-Propylamine	NS	NS	1.9 U	1.8 U
N-Nitrosodiphenylamine	NS	NS	1.5 U	1.5 U
Pentachlorophenol	0.8	6.7	1.5 U	1.5 U
Phenanthrene	100	100	41	6.1
Phenol	0.33	100	1.9 U	1.8 U
Pyrene	100	100	33	6.9

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 1	SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 2	SB-01_8-10_20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 1	SB-01_8-10_20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 2	SB-02_0-2_20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	5,530	NR	10,700	NR
Antimony	NS	NS	NR	1.45 J	NR	4.43 U	NR
Arsenic	13	16	NR	3.51	NR	4.26	NR
Barium	350	400	NR	200	NR	317	NR
Beryllium	7.2	72	NR	0.111 J	NR	0.319 J	NR
Cadmium	2.5	4.3	NR	7.15	NR	1.64	NR
Calcium	NS	NS	NR	24,600	NR	14,300	NR
Chromium, Hexavalent	1	110	0.9 U	NT	0.927 U	NT	0.934 U
Chromium, Total	NS	NS	NR	29	NR	22.4	NR
Cobalt	NS	NS	NR	5.32	NR	9.35	NR
Copper	50	270	NR	47.6	NR	46.4	NR
Iron	NS	NS	NR	10,700	NR	17,200	NR
Lead	63	400	NR	155	NR	209	NR
Magnesium	NS	NS	NR	4,290	NR	5,320	NR
Manganese	1,600	2,000	NR	301	NR	293	NR
Mercury	0.18	0.81	0.372	NT	0.353	NT	0.457
Nickel	30	310	NR	10.1	NR	15.8	NR
Potassium	NS	NS	NR	1,850	NR	2,390	NR
Selenium	3.9	180	NR	1.7 U	NR	1.77 U	NR
Silver	2	180	NR	0.648 J	NR	0.886 U	NR
Sodium	NS	NS	NR	237	NR	164 J	NR
Thallium	NS	NS	NR	1.7 U	NR	1.77 U	NR
Vanadium	NS	NS	NR	25.4	NR	36.8	NR
Zinc	109	10,000	NR	178	NR	1,290	NR

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-02_0-2_20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 2	SB-02_9-11_20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 1	SB-02_9-11_20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 2	SB-03_0-2_20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 1	SB-03_0-2_20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 2
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	9,680	NR	8,610	NR	12,400
Antimony	NS	NS	4.6 U	NR	4.74 U	NR	4.46 U
Arsenic	13	16	3.65	NR	1.72	NR	2.37
Barium	350	400	131	NR	61.7	NR	236
Beryllium	7.2	72	0.267 J	NR	0.218 J	NR	0.526
Cadmium	2.5	4.3	1.13	NR	0.862 J	NR	1.36
Calcium	NS	NS	11,800	NR	2,180	NR	8,720
Chromium, Hexavalent	1	110	NT	0.964 U	NT	0.902 U	NT
Chromium, Total	NS	NS	22.5	NR	21.7	NR	24.9
Cobalt	NS	NS	10.1	NR	8.43	NR	13.2
Copper	50	270	39	NR	17	NR	40.8
Iron	NS	NS	16,400	NR	16,400	NR	22,100
Lead	63	400	166	NR	25.8	NR	124
Magnesium	NS	NS	3,670	NR	3,570	NR	5,010
Manganese	1,600	2,000	313	NR	480	NR	291
Mercury	0.18	0.81	NT	0.077 U	NT	0.28	NT
Nickel	30	310	17.5	NR	17.9	NR	21.9
Potassium	NS	NS	1,850	NR	1,490	NR	5,580
Selenium	3.9	180	1.84 U	NR	1.89 U	NR	1.78 U
Silver	2	180	0.92 U	NR	0.947 U	NR	0.891 U
Sodium	NS	NS	111 J	NR	61.3 J	NR	146 J
Thallium	NS	NS	1.84 U	NR	1.89 U	NR	1.78 U
Vanadium	NS	NS	41.2	NR	27.3	NR	41
Zinc	109	10,000	135	NR	62.5	NR	193

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-03_8-10_20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 1	SB-03_8-10_20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 2	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 1	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 2	SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	9,060	NR	8,340	NR
Antimony	NS	NS	NR	0.574 J	NR	4.38 U	NR
Arsenic	13	16	NR	5.77	NR	3.02	NR
Barium	350	400	NR	61.6	NR	117	NR
Beryllium	7.2	72	NR	0.33 J	NR	0.201 J	NR
Cadmium	2.5	4.3	NR	0.998	NR	1.09	NR
Calcium	NS	NS	NR	3,310	NR	9,810	NR
Chromium, Hexavalent	1	110	0.95 U	NT	0.902 U	NT	0.941 U
Chromium, Total	NS	NS	NR	15.7	NR	19.8	NR
Cobalt	NS	NS	NR	5.46	NR	9.3	NR
Copper	50	270	NR	32.3	NR	38.6	NR
Iron	NS	NS	NR	13,400	NR	14,800	NR
Lead	63	400	NR	103	NR	143	NR
Magnesium	NS	NS	NR	2,170	NR	3,680	NR
Manganese	1,600	2,000	NR	195	NR	232	NR
Mercury	0.18	0.81	0.248	NT	0.28	NT	0.161
Nickel	30	310	NR	11.4	NR	17.8	NR
Potassium	NS	NS	NR	954	NR	1,870	NR
Selenium	3.9	180	NR	1.88 U	NR	1.75 U	NR
Silver	2	180	NR	0.942 U	NR	0.876 U	NR
Sodium	NS	NS	NR	50.8 J	NR	109 J	NR
Thallium	NS	NS	NR	1.88 U	NR	1.75 U	NR
Vanadium	NS	NS	NR	22.5	NR	26.1	NR
Zinc	109	10,000	NR	119	NR	118	NR

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 2	SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 1	SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 2	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 1	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 2
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,390	NR	9,870	NR	10,400
Antimony	NS	NS	0.558 J	NR	4.45 U	NR	4.34 U
Arsenic	13	16	4.09	NR	6.17	NR	2.92
Barium	350	400	90.9	NR	119	NR	150
Beryllium	7.2	72	0.27 J	NR	0.24 J	NR	0.295 J
Cadmium	2.5	4.3	1.43	NR	1.35	NR	1.28
Calcium	NS	NS	14,600	NR	7,450	NR	5,860
Chromium, Hexavalent	1	110	NT	0.903 U	NT	0.886 U	NT
Chromium, Total	NS	NS	18.5	NR	18.6	NR	22.6
Cobalt	NS	NS	8.59	NR	10.2	NR	11.6
Copper	50	270	27.3	NR	36	NR	38.3
Iron	NS	NS	20,400	NR	15,800	NR	16,800
Lead	63	400	140	NR	134	NR	160
Magnesium	NS	NS	3,190	NR	5,970	NR	4,600
Manganese	1,600	2,000	261	NR	236	NR	239
Mercury	0.18	0.81	NT	0.324	NT	0.22	NT
Nickel	30	310	15.1	NR	17.3	NR	20.7
Potassium	NS	NS	1,330	NR	2,990	NR	3,180
Selenium	3.9	180	1.8 U	NR	1.78 U	NR	1.74 U
Silver	2	180	0.899 U	NR	0.891 U	NR	0.868 U
Sodium	NS	NS	93.2 J	NR	162 J	NR	144 J
Thallium	NS	NS	1.8 U	NR	1.78 U	NR	1.74 U
Vanadium	NS	NS	24.9	NR	27.1	NR	32.4
Zinc	109	10,000	176	NR	155	NR	177

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 1	SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 2	SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 1	SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 2	SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	11,000	NR	7,390	NR
Antimony	NS	NS	NR	2.44 J	NR	4.48 U	NR
Arsenic	13	16	NR	8.46	NR	4.86	NR
Barium	350	400	NR	75.6	NR	182	NR
Beryllium	7.2	72	NR	0.316 J	NR	0.197 J	NR
Cadmium	2.5	4.3	NR	2.2	NR	2.59	NR
Calcium	NS	NS	NR	2,040	NR	26,200	NR
Chromium, Hexavalent	1	110	0.8 U	NT	0.943 U	NT	0.293 J
Chromium, Total	NS	NS	NR	25.6	NR	21.5	NR
Cobalt	NS	NS	NR	5.81	NR	5.81	NR
Copper	50	270	NR	44.9	NR	31.7	NR
Iron	NS	NS	NR	35,200	NR	17,600	NR
Lead	63	400	NR	200	NR	189	NR
Magnesium	NS	NS	NR	1,460	NR	3,660	NR
Manganese	1,600	2,000	NR	253	NR	195	NR
Mercury	0.18	0.81	0.325	NT	0.371	NT	0.323
Nickel	30	310	NR	21.5	NR	12.2	NR
Potassium	NS	NS	NR	562	NR	2,380	NR
Selenium	3.9	180	NR	1.92 U	NR	1.79 U	NR
Silver	2	180	NR	0.959 U	NR	0.897 U	NR
Sodium	NS	NS	NR	49.3 J	NR	423	NR
Thallium	NS	NS	NR	1.92 U	NR	1.79 U	NR
Vanadium	NS	NS	NR	24.3	NR	25.4	NR
Zinc	109	10,000	NR	110	NR	249	NR

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 2	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 1	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 2	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 1	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 2
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	10,900	NR	11,200	NR	11,100
Antimony	NS	NS	0.527 J	NR	3.98 U	NR	0.683 J
Arsenic	13	16	16.9	NR	1.99	NR	4.7
Barium	350	400	131	NR	96.3	NR	152
Beryllium	7.2	72	0.334 J	NR	0.318 J	NR	0.254 J
Cadmium	2.5	4.3	1.35	NR	1.05	NR	1.72
Calcium	NS	NS	6,790	NR	1,660	NR	8,450
Chromium, Hexavalent	1	110	NT	0.325 J	NT	0.889 U	NT
Chromium, Total	NS	NS	22.8	NR	22.6	NR	32.6
Cobalt	NS	NS	7.78	NR	10.1	NR	12.6
Copper	50	270	27.1	NR	38.9	NR	84.3
Iron	NS	NS	17,600	NR	18,900	NR	28,900
Lead	63	400	102	NR	13.8	NR	81.6
Magnesium	NS	NS	3,060	NR	4,150	NR	5,950
Manganese	1,600	2,000	224	NR	210	NR	336
Mercury	0.18	0.81	NT	0.061 J	NT	0.145	NT
Nickel	30	310	13.5	NR	15.2	NR	22.9
Potassium	NS	NS	1,600	NR	4,540	NR	3,560
Selenium	3.9	180	1.76 U	NR	1.59 U	NR	1.75 U
Silver	2	180	0.879 U	NR	0.796 U	NR	0.876 U
Sodium	NS	NS	85.5 J	NR	82.8 J	NR	124 J
Thallium	NS	NS	1.76 U	NR	1.59 U	NR	1.75 U
Vanadium	NS	NS	32.1	NR	32.5	NR	39.4
Zinc	109	10,000	127	NR	75.6	NR	148

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 1	SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 2	SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 20	SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 1	SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 2
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	7,990	NT	NR	10,700
Antimony	NS	NS	NR	12.6	NT	NR	4.69 U
Arsenic	13	16	NR	80.8	NT	NR	4.3
Barium	350	400	NR	253	NT	NR	267
Beryllium	7.2	72	NR	0.177 J	NT	NR	0.3 J
Cadmium	2.5	4.3	NR	5.72	NT	NR	1.39
Calcium	NS	NS	NR	15,300	NT	NR	13,100
Chromium, Hexavalent	1	110	0.894 U	NT	NT	0.447 J	NT
Chromium, Total	NS	NS	NR	186	NT	NR	24.4
Cobalt	NS	NS	NR	21.1	NT	NR	11.1
Copper	50	270	NR	258	NT	NR	40.5
Iron	NS	NS	NR	NT	81,600	NR	19,300
Lead	63	400	NR	246	NT	NR	176
Magnesium	NS	NS	NR	3,300	NT	NR	4,980
Manganese	1,600	2,000	NR	360	NT	NR	248
Mercury	0.18	0.81	0.23	NT	NT	0.231	NT
Nickel	30	310	NR	354	NT	NR	19.8
Potassium	NS	NS	NR	2,650	NT	NR	3,630
Selenium	3.9	180	NR	1.69 U	NT	NR	1.88 U
Silver	2	180	NR	0.844 U	NT	NR	0.938 U
Sodium	NS	NS	NR	122 J	NT	NR	162 J
Thallium	NS	NS	NR	2.16	NT	NR	1.88 U
Vanadium	NS	NS	NR	34	NT	NR	36.8
Zinc	109	10,000	NR	1,210	NT	NR	229

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 1	SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 2	SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 1	SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 2	SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	NR	9,360	NR	10,600	NR
Antimony	NS	NS	NR	4.75 U	NR	4.46 U	NR
Arsenic	13	16	NR	4.15	NR	9.87	NR
Barium	350	400	NR	319	NR	106	NR
Beryllium	7.2	72	NR	0.218 J	NR	0.241 J	NR
Cadmium	2.5	4.3	NR	1.25	NR	1.66	NR
Calcium	NS	NS	NR	37,200	NR	5,170	NR
Chromium, Hexavalent	1	110	0.988 U	NT	0.918 U	NT	0.923 U
Chromium, Total	NS	NS	NR	21.7	NR	21.8	NR
Cobalt	NS	NS	NR	8.86	NR	10.1	NR
Copper	50	270	NR	44.7	NR	41.9	NR
Iron	NS	NS	NR	17,200	NR	17,500	NR
Lead	63	400	NR	133	NR	113	NR
Magnesium	NS	NS	NR	16,800	NR	4,220	NR
Manganese	1,600	2,000	NR	220	NR	220	NR
Mercury	0.18	0.81	0.24	NT	0.255	NT	0.191
Nickel	30	310	NR	16	NR	19	NR
Potassium	NS	NS	NR	3,310	NR	3,660	NR
Selenium	3.9	180	NR	1.9 U	NR	1.78 U	NR
Silver	2	180	NR	0.95 U	NR	0.892 U	NR
Sodium	NS	NS	NR	162 J	NR	114 J	NR
Thallium	NS	NS	NR	1.9 U	NR	1.78 U	NR
Vanadium	NS	NS	NR	33.2	NR	29.5	NR
Zinc	109	10,000	NR	195	NR	140	NR

Table 3
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Metals in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 2	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 1	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 2	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 20
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NS	8,610	NR	6,580	NT
Antimony	NS	NS	4.51 U	NR	4.46 U	NT
Arsenic	13	16	10.2	NR	4.74	NT
Barium	350	400	144	NR	79.5	NT
Beryllium	7.2	72	0.217 J	NR	0.17 J	NT
Cadmium	2.5	4.3	1.06	NR	0.634 J	NT
Calcium	NS	NS	13,900	NR	NT	57,000
Chromium, Hexavalent	1	110	NT	0.896 U	NT	NT
Chromium, Total	NS	NS	20.8	NR	13.5	NT
Cobalt	NS	NS	7.77	NR	4.2	NT
Copper	50	270	37.1	NR	23.7	NT
Iron	NS	NS	15,300	NR	7,520	NT
Lead	63	400	107	NR	65.3	NT
Magnesium	NS	NS	3,090	NR	3,220	NT
Manganese	1,600	2,000	213	NR	109	NT
Mercury	0.18	0.81	NT	0.081	NT	NT
Nickel	30	310	13.8	NR	12.2	NT
Potassium	NS	NS	2,260	NR	762	NT
Selenium	3.9	180	1.8 U	NR	1.78 U	NT
Silver	2	180	0.902 U	NR	0.893 U	NT
Sodium	NS	NS	149 J	NR	362	NT
Thallium	NS	NS	1.8 U	NR	1.78 U	NT
Vanadium	NS	NS	34.1	NR	21.2	NT
Zinc	109	10,000	131	NR	80.6	NT

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 1	SB-01_8-10_20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 1	SB-02_0-2_20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 1	SB-02_9-11_20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1221 (Aroclor 1221)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1232 (Aroclor 1232)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1242 (Aroclor 1242)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1248 (Aroclor 1248)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1254 (Aroclor 1254)	NS	NS	0.0334 J	0.0153 JP	0.0183 J	0.0401 U
PCB-1260 (Aroclor 1260)	NS	NS	0.0498	0.0117 J	0.021 J	0.00885 J
PCB-1262 (Aroclor 1262)	NS	NS	0.037 U	0.0374 U	0.0373 U	0.0401 U
PCB-1268 (Aroclor 1268)	NS	NS	0.0467	0.0374 U	0.0373 U	0.00489 J
Total PCBs	0.1	1	0.13 J	0.027 J	0.0393 J	0.0137 J

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-03_0-2_20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 1	SB-03_8-10_20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 1	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 1	SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1221 (Aroclor 1221)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1232 (Aroclor 1232)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1242 (Aroclor 1242)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1248 (Aroclor 1248)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1254 (Aroclor 1254)	NS	NS	0.0194 J	0.0374 U	0.139	0.0471
PCB-1260 (Aroclor 1260)	NS	NS	0.0265 J	0.0374 U	0.0373	0.0157 J
PCB-1262 (Aroclor 1262)	NS	NS	0.0373 U	0.0374 U	0.0367 U	0.0386 U
PCB-1268 (Aroclor 1268)	NS	NS	0.0103 J	0.017 J	0.0367 U	0.0386 U
Total PCBs	0.1	1	0.0562 J	0.017 J	0.176	0.0628 J

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 1	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 1	SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 1	SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1221 (Aroclor 1221)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1232 (Aroclor 1232)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1242 (Aroclor 1242)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1248 (Aroclor 1248)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1254 (Aroclor 1254)	NS	NS	0.056	0.0344 J	0.0234 J	0.111
PCB-1260 (Aroclor 1260)	NS	NS	0.0218 J	0.0308 J	0.0224 J	0.0285 J
PCB-1262 (Aroclor 1262)	NS	NS	0.0358 U	0.0348 U	0.0413 U	0.037 U
PCB-1268 (Aroclor 1268)	NS	NS	0.0358 U	0.00989 J	0.0413 U	0.037 U
Total PCBs	0.1	1	0.0778 J	0.0751 J	0.0458 J	0.14 J

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 1	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 1	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 1	SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1221 (Aroclor 1221)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1232 (Aroclor 1232)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1242 (Aroclor 1242)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1248 (Aroclor 1248)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1254 (Aroclor 1254)	NS	NS	0.0198 J	0.0333 U	0.036 U	0.0364 U
PCB-1260 (Aroclor 1260)	NS	NS	0.0136 J	0.0333 U	0.036 U	0.0364 U
PCB-1262 (Aroclor 1262)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
PCB-1268 (Aroclor 1268)	NS	NS	0.038 U	0.0333 U	0.036 U	0.0364 U
Total PCBs	0.1	1	0.0334 J	0.0333 U	0.036 U	0.0364 U

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 1	SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 1	SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1221 (Aroclor 1221)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1232 (Aroclor 1232)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1242 (Aroclor 1242)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1248 (Aroclor 1248)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1254 (Aroclor 1254)	NS	NS	0.0596 IP	0.066	0.0364 U
PCB-1260 (Aroclor 1260)	NS	NS	0.0485	0.0594	0.0364 U
PCB-1262 (Aroclor 1262)	NS	NS	0.0393 U	0.0408 U	0.0364 U
PCB-1268 (Aroclor 1268)	NS	NS	0.0393 U	0.0408 U	0.0364 U
Total PCBs	0.1	1	0.108	0.125	0.0364 U

Table 4
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 1	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSO	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.038 U	0.0352 U
PCB-1221 (Aroclor 1221)	NS	NS	0.038 U	0.0352 U
PCB-1232 (Aroclor 1232)	NS	NS	0.038 U	0.0352 U
PCB-1242 (Aroclor 1242)	NS	NS	0.038 U	0.0352 U
PCB-1248 (Aroclor 1248)	NS	NS	0.038 U	0.0352 U
PCB-1254 (Aroclor 1254)	NS	NS	0.038 U	0.0352 U
PCB-1260 (Aroclor 1260)	NS	NS	0.033 J	0.0162 J
PCB-1262 (Aroclor 1262)	NS	NS	0.038 U	0.0352 U
PCB-1268 (Aroclor 1268)	NS	NS	0.038 U	0.0283 J
Total PCBs	0.1	1	0.033 J	0.0445 J

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 1	SB-01_0-2_20200107 L2000638-07 1/7/2020 11:55:00 AM mg/kg 5	SB-01_8-10_20200107 L2000638-08 1/7/2020 12:00:00 PM mg/kg 1	SB-02_0-2_20200108 L2000638-14 1/8/2020 8:45:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00172 U	NT	0.00182 U	0.00179 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.000718 U	NT	0.000757 U	0.000746 U
Alpha Endosulfan	NS	NS	0.00172 U	NT	0.00182 U	0.00179 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00172 U	NT	0.00182 U	0.00179 U
Beta Endosulfan	NS	NS	0.00172 U	NT	0.00182 U	0.00179 U
Chlordane, Total	NS	NS	0.174 P	NT	0.0432	0.0301 P
cis-Chlordane	0.094	4.2	0.0209	NT	0.00676	0.00159 JIP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00172 U	NT	0.00182 U	0.00179 U
Dieldrin	0.005	0.2	0.0132	NT	0.00405	0.00114 IP
Endosulfan Sulfate	NS	NS	0.000718 U	NT	0.000757 U	0.000746 U
Endrin	0.014	11	0.000718 U	NT	0.000757 U	0.000746 U
Endrin Aldehyde	NS	NS	0.00215 U	NT	0.00227 U	0.00224 U
Endrin Ketone	NS	NS	0.00172 U	NT	0.00182 U	0.00179 U
Gamma Bhc (Lindane)	0.1	1.3	0.000718 U	NT	0.000757 U	0.000746 U
Heptachlor	0.042	2.1	0.000862 U	NT	0.000909 U	0.000895 U
Heptachlor Epoxide	NS	NS	0.00272 J	NT	0.00341 U	0.00335 U
Methoxychlor	NS	NS	0.00323 U	NT	0.00341 U	0.00335 U
P,P'-DDD	0.0033	13	0.00172 U	NT	0.0581	0.0043
P,P'-DDE	0.0033	8.9	0.064	NT	0.0101	0.018
P,P'-DDT	0.0033	7.9	NR	0.174	0.0362	0.0447
Toxaphene	NS	NS	0.0323 U	NT	0.0341 U	0.0335 U
trans-Chlordane	NS	NS	0.00215 U	NT	0.00532	0.0015 JIP

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-02_9-11_20200108 L2000638-15 1/8/2020 9:40:00 AM mg/kg 1	SB-03_0-2_20200108 L2000638-18 1/8/2020 12:40:00 PM mg/kg 1	SB-03_8-10_20200108 L2000638-19 1/8/2020 12:50:00 PM mg/kg 1	SB-04_0-2_20200109 L2000638-23 1/9/2020 9:15:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.000788 U	0.000748 U	0.000783 U	0.000741 U
Alpha Endosulfan	NS	NS	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Beta Endosulfan	NS	NS	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Chlordane, Total	NS	NS	0.0154 U	0.0302	0.0153 U	0.0458
cis-Chlordane	0.094	4.2	0.00236 U	0.00329	0.00235 U	0.00558
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Dieldrin	0.005	0.2	0.00118 U	0.00068 JIP	0.00117 U	0.00356
Endosulfan Sulfate	NS	NS	0.000788 U	0.000748 U	0.000783 U	0.000741 U
Endrin	0.014	11	0.000788 U	0.000748 U	0.000783 U	0.000741 U
Endrin Aldehyde	NS	NS	0.00236 U	0.00224 U	0.00235 U	0.00222 U
Endrin Ketone	NS	NS	0.00189 U	0.0018 U	0.00188 U	0.00178 U
Gamma Bhc (Lindane)	0.1	1.3	0.000788 U	0.000748 U	0.000783 U	0.000741 U
Heptachlor	0.042	2.1	0.000946 U	0.000898 U	0.000939 U	0.000889 U
Heptachlor Epoxide	NS	NS	0.00354 U	0.00337 U	0.00352 U	0.00214 J
Methoxychlor	NS	NS	0.00354 U	0.00337 U	0.00352 U	0.00334 U
P,P'-DDD	0.0033	13	0.00189 U	0.0243	0.00421	0.00536
P,P'-DDE	0.0033	8.9	0.00189 U	0.00749	0.00188 U	0.018
P,P'-DDT	0.0033	7.9	0.00349 J	0.0152	0.00509	0.0658
Toxaphene	NS	NS	0.0354 U	0.0337 U	0.0352 U	0.0334 U
trans-Chlordane	NS	NS	0.00236 U	0.0023 IP	0.00235 U	0.00269 IP

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-04_8-10_20200109 L2000638-24 1/9/2020 9:25:00 AM mg/kg 1	SB-05_0-2_20200109 L2000638-25 1/9/2020 12:30:00 PM mg/kg 1	SB-06_0-2_20200109 L2000638-26 1/9/2020 1:30:00 PM mg/kg 1	SB-07_0-2_20200107 L2000638-01 1/7/2020 9:35:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.000776 U	0.000731 U	0.000704 U	0.000804 U
Alpha Endosulfan	NS	NS	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Beta Endosulfan	NS	NS	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Chlordane, Total	NS	NS	0.0543	0.124 P	0.0546	0.0499 P
cis-Chlordane	0.094	4.2	0.00682 IP	0.0189 IP	0.00727	0.00474 IP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Dieldrin	0.005	0.2	0.00258 IP	0.00284 IP	0.00391	0.00151
Endosulfan Sulfate	NS	NS	0.000776 U	0.000731 U	0.000704 U	0.000804 U
Endrin	0.014	11	0.000776 U	0.000731 U	0.000704 U	0.000804 U
Endrin Aldehyde	NS	NS	0.00233 U	0.00219 U	0.00211 U	0.00241 U
Endrin Ketone	NS	NS	0.00186 U	0.00176 U	0.00169 U	0.00193 U
Gamma Bhc (Lindane)	0.1	1.3	0.000776 U	0.000731 U	0.000704 U	0.000804 U
Heptachlor	0.042	2.1	0.000931 U	0.000878 U	0.000845 U	0.000964 U
Heptachlor Epoxide	NS	NS	0.00394	0.00514	0.00317 U	0.00166 J
Methoxychlor	NS	NS	0.00349 U	0.00329 U	0.00317 U	0.00362 U
P,P'-DDD	0.0033	13	0.00192	0.00176 U	0.0272	0.00169 J
P,P'-DDE	0.0033	8.9	0.0126	0.0186	0.00958	0.0193
P,P'-DDT	0.0033	7.9	0.0327	0.0362	0.0278	0.0291
Toxaphene	NS	NS	0.0349 U	0.0329 U	0.0317 U	0.0362 U
trans-Chlordane	NS	NS	0.0019 JIP	0.00637 IP	0.0028 IP	0.00338 IP

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-07_8-10_20200107 L2000638-02 1/7/2020 9:45:00 AM mg/kg 1	SB-08_0-2_20200107 L2000638-05 1/7/2020 10:55:00 AM mg/kg 1	SB-08_8-10_20200107 L2000638-06 1/7/2020 11:05:00 AM mg/kg 1	SB-09_0-2_20200108 L2000638-16 1/8/2020 10:40:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.000756 U	0.000761 U	0.000681 U	0.000708 U
Alpha Endosulfan	NS	NS	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Beta Endosulfan	NS	NS	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Chlordane, Total	NS	NS	0.0746 P	0.0148 U	0.0133 U	0.154 P
cis-Chlordane	0.094	4.2	0.00591	0.00228 U	0.00204 U	0.02 IP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Dieldrin	0.005	0.2	0.00113 U	0.00114 U	0.00102 U	0.00194 P
Endosulfan Sulfate	NS	NS	0.000756 U	0.000761 U	0.000681 U	0.000708 U
Endrin	0.014	11	0.000756 U	0.000761 U	0.000681 U	0.000708 U
Endrin Aldehyde	NS	NS	0.00227 U	0.00228 U	0.00204 U	0.00212 U
Endrin Ketone	NS	NS	0.00182 U	0.00183 U	0.00163 U	0.0017 U
Gamma Bhc (Lindane)	0.1	1.3	0.000756 U	0.000761 U	0.000681 U	0.000708 U
Heptachlor	0.042	2.1	0.000908 U	0.000913 U	0.000817 U	0.000849 U
Heptachlor Epoxide	NS	NS	0.00522 P	0.00342 U	0.00306 U	0.0025 JIP
Methoxychlor	NS	NS	0.0034 U	0.00342 U	0.00306 U	0.00318 U
P,P'-DDD	0.0033	13	0.0116	0.00183 U	0.00163 U	0.0168
P,P'-DDE	0.0033	8.9	0.0122	0.00183 U	0.00163 U	0.0925
P,P'-DDT	0.0033	7.9	0.0523	0.00342 U	0.00306 U	0.136
Toxaphene	NS	NS	0.034 U	0.0342 U	0.0306 U	0.0318 U
trans-Chlordane	NS	NS	0.00507 IP	0.00228 U	0.00204 U	0.00809 IP

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 5	SB-09_8-10_20200108 L2000638-17 1/8/2020 10:45:00 AM mg/kg 10	SB-10_0-2_20200107 L2000638-03 1/7/2020 10:20:00 AM mg/kg 1	SB-10_8-10_20200107 L2000638-04 1/7/2020 10:30:00 AM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00869 U	NT	0.00188 U	0.00191 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.00362 U	NT	0.000784 U	0.000797 U
Alpha Endosulfan	NS	NS	0.00869 U	NT	0.00188 U	0.00191 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00869 U	NT	0.00188 U	0.00191 U
Beta Endosulfan	NS	NS	0.00869 U	NT	0.000735 JIP	0.00147 JIP
Chlordane, Total	NS	NS	3.16	NT	0.0826	0.0726 P
cis-Chlordane	0.094	4.2	0.427	NT	0.0117	0.00288
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00869 U	NT	0.00188 U	0.00191 U
Dieldrin	0.005	0.2	0.0393	NT	0.0163	0.00388 IP
Endosulfan Sulfate	NS	NS	0.00362 U	NT	0.000784 U	0.000797 U
Endrin	0.014	11	0.00362 U	NT	0.000784 U	0.000797 U
Endrin Aldehyde	NS	NS	0.0109 U	NT	0.00235 U	0.00239 U
Endrin Ketone	NS	NS	0.00869 U	NT	0.00188 U	0.00191 U
Gamma Bhc (Lindane)	0.1	1.3	0.00362 U	NT	0.000784 U	0.000797 U
Heptachlor	0.042	2.1	0.0489	NT	0.000941 U	0.000956 U
Heptachlor Epoxide	NS	NS	0.0162 JIP	NT	0.00353 U	0.00359 U
Methoxychlor	NS	NS	0.0163 U	NT	0.00353 U	0.00359 U
P,P'-DDD	0.0033	13	0.0774	NT	0.0156	0.00532
P,P'-DDE	0.0033	8.9	0.641	NT	0.114	0.00753
P,P'-DDT	0.0033	7.9	NR	1.37	0.151 P	0.0444
Toxaphene	NS	NS	0.163 U	NT	0.0353 U	0.0359 U
trans-Chlordane	NS	NS	0.338 IP	NT	0.0132 IP	0.0029 IP

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 1	SB-11_0-2_20200109 L2000638-27 1/9/2020 12:45:00 PM mg/kg 5	SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 1
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.00177 U	NT	0.0018 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.000737 U	NT	0.000751 U
Alpha Endosulfan	NS	NS	0.00177 U	NT	0.0018 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.00177 U	NT	0.0018 U
Beta Endosulfan	NS	NS	0.00177 U	NT	0.0018 U
Chlordane, Total	NS	NS	1.22 P	NT	0.0146 U
cis-Chlordane	0.094	4.2	0.405 PE	0.146 IP	0.00875
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.00177 U	NT	0.0018 U
Dieldrin	0.005	0.2	0.0153	NT	0.00113 U
Endosulfan Sulfate	NS	NS	0.000737 U	NT	0.000751 U
Endrin	0.014	11	0.000737 U	NT	0.000751 U
Endrin Aldehyde	NS	NS	0.00221 U	NT	0.00225 U
Endrin Ketone	NS	NS	0.00177 U	NT	0.0018 U
Gamma Bhc (Lindane)	0.1	1.3	0.000737 U	NT	0.000751 U
Heptachlor	0.042	2.1	0.000884 U	NT	0.000902 U
Heptachlor Epoxide	NS	NS	0.028 P	NT	0.00338 U
Methoxychlor	NS	NS	0.00332 U	NT	0.00338 U
P,P'-DDD	0.0033	13	0.00177 U	NT	0.00243 IP
P,P'-DDE	0.0033	8.9	NR	0.311	0.0729
P,P'-DDT	0.0033	7.9	NR	0.548	0.229 PE
Toxaphene	NS	NS	0.0332 U	NT	0.0338 U
trans-Chlordane	NS	NS	0.0743 IP	NT	0.00225 U

Table 5
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Soil

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor			SB-12_0-2_20200107 L2000638-09 1/7/2020 12:35:00 PM mg/kg 5	SB-12_8-10_20200107 L2000638-10 1/7/2020 12:40:00 PM mg/kg 5
Compound	NYSDEC UUSCO	NYSDEC RRSCO	CONC Q	CONC Q
Aldrin	0.005	0.097	NT	0.00879 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	NT	0.00366 U
Alpha Endosulfan	NS	NS	NT	0.00879 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	NT	0.00879 U
Beta Endosulfan	NS	NS	NT	0.00879 U
Chlordane, Total	NS	NS	NT	0.0714 U
cis-Chlordane	0.094	4.2	NT	0.011 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	NT	0.00879 U
Dieldrin	0.005	0.2	NT	0.00549 U
Endosulfan Sulfate	NS	NS	NT	0.00366 U
Endrin	0.014	11	NT	0.00366 U
Endrin Aldehyde	NS	NS	NT	0.011 U
Endrin Ketone	NS	NS	NT	0.00879 U
Gamma Bhc (Lindane)	0.1	1.3	NT	0.00366 U
Heptachlor	0.042	2.1	NT	0.00439 U
Heptachlor Epoxide	NS	NS	NT	0.0165 U
Methoxychlor	NS	NS	NT	0.0165 U
P,P'-DDD	0.0033	13	NT	0.0141
P,P'-DDE	0.0033	8.9	NT	0.0476
P,P'-DDT	0.0033	7.9	0.187	0.0634
Toxaphene	NS	NS	NT	0.165 U
trans-Chlordane	NS	NS	NT	0.011 U

Table 6
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS) in Soil

AKRF Sample ID	SB-03_0-2_20200108
Laboratory Sample ID	L2000638-18
Date Sampled	1/8/2020 12:40:00 PM
Unit	µg/kg
Dilution Factor	1
Compound	CONC Q
6:2 Fluorotelomer sulfonate	1.03 U
8:2 Fluorotelomer sulfonate	1.03 U
N-ethyl perfluorooctanesulfonamidoacetic acid	1.03 U
N-methyl perfluorooctanesulfonamidoacetic acid	1.03 U
Perfluorobutanesulfonic acid	1.03 U
Perfluorobutanoic acid	0.028 J
Perfluorodecanesulfonic acid	1.03 U
Perfluorodecanoic acid	1.03 U
Perfluorododecanoic acid	1.03 U
Perfluoroheptanesulfonic acid	1.03 U
Perfluoroheptanoic acid	1.03 U
Perfluorohexanesulfonic acid	1.03 U
Perfluorohexanoic acid	0.086 J
Perfluorononanoic acid	1.03 U
Perfluorooctanesulfonic acid	0.298 J
Perfluorooctanoic acid	0.17 J
Perfluoropentanoic acid	1.03 U
Perfluorotetradecanoic acid	1.03 U
Perfluorotridecanoic acid	1.03 U
Perfluoroundecanoic acid	1.03 U
Perfluorooctanesulfonamide	1.03 U
TOTAL PFOA AND PFOS	0.468 J

Table 7
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-01_20200107 L2000638-12 1/7/2020 3:10:00 PM µg/L 1	TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q	CONC Q
1,1,1,2-Tetrachloroethane	5	2.5 U	2.5 U	2.5 U
1,1,1-Trichloroethane	5	2.5 U	2.5 U	2.5 U
1,1,2,2-Tetrachloroethane	5	0.5 U	0.5 U	0.5 U
1,1,2-Trichloroethane	1	1.5 U	1.5 U	1.5 U
1,1-Dichloroethane	5	2.5 U	2.5 U	2.5 U
1,1-Dichloroethene	5	0.5 U	0.5 U	0.5 U
1,1-Dichloropropene	5	2.5 U	2.5 U	2.5 U
1,2,3-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U
1,2,3-Trichloropropane	0.04	2.5 U	2.5 U	2.5 U
1,2,4,5-Tetramethylbenzene	5	2 U	2 U	2 U
1,2,4-Trichlorobenzene	5	2.5 U	2.5 U	2.5 U
1,2,4-Trimethylbenzene	5	2.5 U	2.5 U	2.5 U
1,2-Dibromo-3-Chloropropane	0.04	2.5 U	2.5 U	2.5 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	2 U	2 U	2 U
1,2-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,2-Dichloroethane	0.6	0.5 U	0.5 U	0.5 U
1,2-Dichloropropane	1	1 U	1 U	1 U
1,3,5-Trimethylbenzene (Mesitylene)	5	2.5 U	2.5 U	2.5 U
1,3-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,3-Dichloropropane	5	2.5 U	2.5 U	2.5 U
1,4-Dichlorobenzene	3	2.5 U	2.5 U	2.5 U
1,4-Diethyl Benzene	NS	2 U	2 U	2 U
2,2-Dichloropropane	5	2.5 U	2.5 U	2.5 U
2-Chlorotoluene	5	2.5 U	2.5 U	2.5 U
2-Hexanone	50	5 U	5 U	5 U
4-Chlorotoluene	5	2.5 U	2.5 U	2.5 U
4-Ethyltoluene	NS	2 U	2 U	2 U
Acetone	50	18	5 U	1.6 J
Acrylonitrile	5	5 U	5 U	5 U
Benzene	1	0.5 U	0.5 U	0.5 U
Bromobenzene	5	2.5 U	2.5 U	2.5 U
Bromochloromethane	5	2.5 U	2.5 U	2.5 U
Bromodichloromethane	50	0.5 U	0.5 U	0.5 U
Bromoform	50	2 U	2 U	2 U
Bromomethane	5	2.5 U	2.5 U	2.5 U
Carbon Disulfide	60	5 U	5 U	5 U
Carbon Tetrachloride	5	0.5 U	0.5 U	0.5 U
Chlorobenzene	5	2.5 U	2.5 U	2.5 U
Chloroethane	5	2.5 U	2.5 U	2.5 U
Chloroform	7	2.5 U	0.92 J	2.5 U
Chloromethane	5	2.5 U	2.5 U	2.5 U
Cis-1,2-Dichloroethylene	5	2.5 U	2.5 U	2.5 U
Cis-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U
Cymene	5	2.5 U	2.5 U	2.5 U
Dibromochloromethane	50	0.5 U	0.5 U	0.5 U
Dibromomethane	5	5 U	5 U	5 U
Dichlorodifluoromethane	5	5 U	5 U	5 U
Dichloroethylenes	NS	2.5 U	2.5 U	2.5 U
Diethyl Ether (Ethyl Ether)	NS	2.5 U	2.5 U	2.5 U
Ethylbenzene	5	2.5 U	2.5 U	2.5 U
Isopropylbenzene (Cumene)	5	2.5 U	2.5 U	2.5 U
M,P-Xylenes	5	2.5 U	2.5 U	2.5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U
Methylene Chloride	5	2.5 U	2.5 U	2.5 U
N-Butylbenzene	5	2.5 U	2.5 U	2.5 U
N-Propylbenzene	5	2.5 U	2.5 U	2.5 U
O-Xylene (1,2-Dimethylbenzene)	5	2.5 U	2.5 U	2.5 U
Sec-Butylbenzene	5	2.5 U	2.5 U	2.5 U
Styrene	5	2.5 U	2.5 U	2.5 U
T-Butylbenzene	5	2.5 U	2.5 U	2.5 U
Tert-Butyl Methyl Ether	10	2.5 U	2.5 U	2.5 U
Tetrachloroethylene (PCE)	5	0.5 U	0.5 U	0.5 U
Toluene	5	2.5 U	2.5 U	2.5 U
Total, 1,3-Dichloropropene (Cis And Trans)	0.4	0.5 U	0.5 U	0.5 U
Trans-1,2-Dichloroethene	5	2.5 U	2.5 U	2.5 U
Trans-1,3-Dichloropropene	NS	0.5 U	0.5 U	0.5 U
Trans-1,4-Dichloro-2-Butene	5	2.5 U	2.5 U	2.5 U
Trichloroethylene (TCE)	5	0.5 U	0.5 U	0.5 U
Trichlorofluoromethane	5	2.5 U	2.5 U	2.5 U
Vinyl Acetate	NS	5 U	5 U	5 U
Vinyl Chloride	2	0.34 J	1 U	1 U
Xylenes, Total	NS	2.5 U	2.5 U	2.5 U

Table 8
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Semivolatile Organic Compounds (SVOCs) in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U
1,4-Dioxane (P-Dioxane)	NS	NR	0.139 U
2,4,5-Trichlorophenol	NS	5 U	5 U
2,4,6-Trichlorophenol	NS	5 U	5 U
2,4-Dichlorophenol	5	5 U	5 U
2,4-Dimethylphenol	50	5 U	5 U
2,4-Dinitrophenol	10	20 U	20 U
2,4-Dinitrotoluene	5	5 U	5 U
2,6-Dinitrotoluene	5	5 U	5 U
2-Chloronaphthalene	10	0.2 U	0.2 U
2-Chlorophenol	NS	2 U	2 U
2-Methylnaphthalene	NS	0.1 U	0.1 U
2-Methylphenol (O-Cresol)	NS	5 U	5 U
2-Nitroaniline	5	5 U	5 U
2-Nitrophenol	NS	10 U	10 U
3- And 4- Methylphenol (Total)	NS	5 U	5 U
3,3'-Dichlorobenzidine	5	5 U	5 U
3-Nitroaniline	5	5 U	5 U
4,6-Dinitro-2-Methylphenol	NS	10 U	10 U
4-Bromophenyl Phenyl Ether	NS	2 U	2 U
4-Chloro-3-Methylphenol	NS	2 U	2 U
4-Chloroaniline	5	5 U	5 U
4-Chlorophenyl Phenyl Ether	NS	2 U	2 U
4-Nitroaniline	5	5 U	5 U
4-Nitrophenol	NS	10 U	10 U
Acenaphthene	20	0.1 U	0.09 J
Acenaphthylene	NS	0.1 U	0.11
Acetophenone	NS	5 U	5 U
Anthracene	50	0.1 U	0.08 J
Benzo(a)Anthracene	0.002	0.02 J	0.45
Benzo(a)Pyrene	ND	0.02 J	0.45
Benzo(b)Fluoranthene	0.002	0.03 J	0.61
Benzo(g,h,i)Perylene	NS	0.01 J	0.34
Benzo(k)Fluoranthene	0.002	0.01 J	0.2
Benzoic Acid	NS	7.4 J	50 U
Benzyl Alcohol	NS	2 U	2 U
Benzyl Butyl Phthalate	50	5 U	5 U
Biphenyl (Diphenyl)	5	2 U	2 U
Bis(2-Chloroethoxy) Methane	5	5 U	5 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	2 U	2 U
Bis(2-Chloroisopropyl) Ether	5	2 U	2 U
Bis(2-Ethylhexyl) Phthalate	5	2.8 J	2.2 J
Carbazole	NS	2 U	2 U
Chrysene	0.002	0.01 J	0.34
Dibenz(a,h)Anthracene	NS	0.1 U	0.08 J
Dibenzofuran	NS	2 U	2 U
Diethyl Phthalate	50	5 U	5 U
Dimethyl Phthalate	50	5 U	5 U
Di-N-Butyl Phthalate	50	5 U	5 U
Di-N-Octylphthalate	50	5 U	5 U
Fluoranthene	50	0.04 J	0.68
Fluorene	50	0.1 U	0.1 U
Hexachlorobenzene	0.04	0.8 U	0.8 U
Hexachlorobutadiene	0.5	0.5 U	0.5 U
Hexachlorocyclopentadiene	5	20 U	20 U
Hexachloroethane	5	0.8 U	0.8 U
Indeno(1,2,3-c,d)Pyrene	0.002	0.01 J	0.36
Isophorone	50	5 U	5 U
Naphthalene	10	0.1 U	0.1 U
Nitrobenzene	0.4	2 U	2 U
N-Nitrosodi-N-Propylamine	NS	5 U	5 U
N-Nitrosodiphenylamine	50	2 U	2 U
Pentachlorophenol	NS	0.27 J	0.18 J
Phenanthrene	50	0.04 J	0.24
Phenol	1	5 U	5 U
Pyrene	50	0.04 J	0.77

Table 9
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Total Metals in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q
Aluminum	NS	26.9	998
Antimony	3	4 U	1.55 J
Arsenic	25	0.24 J	1.58
Barium	1,000	137	182.5
Beryllium	3	0.5 U	0.5 U
Cadmium	5	0.11 J	0.13 J
Calcium	NS	131,000	162,000
Chromium, Total	50	1 U	3.28
Cobalt	NS	8.33	2
Copper	200	3.49	4.5
Iron	300	189	2,440
Lead	25	0.5 J	55.2
Magnesium	35,000	18,400	19,500
Manganese	300	372.3	526.8
Mercury	0.7	0.2 U	0.2 U
Nickel	100	8.02	3.29
Potassium	NS	11,400	10,500
Selenium	10	7.88	2.05 J
Silver	50	0.4 U	0.4 U
Sodium	20,000	246,000	94,900
Thallium	0.5	1 U	0.35 J
Vanadium	NS	5 U	5.83
Zinc	2,000	9.6 J	46.14

Table 10
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Dissolved Metals in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q
Aluminum	NS	4.29 J	7.75 J
Antimony	3	4 U	1.57 J
Arsenic	25	0.22 J	0.87
Barium	1,000	124.3	155.6
Beryllium	3	0.5 U	0.5 U
Cadmium	5	0.12 J	0.2 U
Calcium	NS	120,000	160,000
Chromium, Total	50	1.09	0.99 J
Cobalt	NS	7.78	1.31
Copper	200	5.41	1.47
Iron	300	58.7	1,200
Lead	25	1 U	1 U
Magnesium	35,000	16,900	19,500
Manganese	300	363.2	481
Mercury	0.7	0.2 U	0.2 U
Nickel	100	9.28	2.17
Potassium	NS	10,700	10,500
Selenium	10	8.39	5 U
Silver	50	0.4 U	0.4 U
Sodium	20,000	201,000	95,800
Thallium	0.5	1 U	0.16 J
Vanadium	NS	5 U	5 U
Zinc	2,000	15.52	10.4

Table 11
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Polychlorinated Biphenyls (PCBs) in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	0.083 U	0.083 U
PCB-1221 (Aroclor 1221)	NS	0.083 U	0.083 U
PCB-1232 (Aroclor 1232)	NS	0.083 U	0.083 U
PCB-1242 (Aroclor 1242)	NS	0.083 U	0.083 U
PCB-1248 (Aroclor 1248)	NS	0.083 U	0.083 U
PCB-1254 (Aroclor 1254)	NS	0.083 U	0.083 U
PCB-1260 (Aroclor 1260)	NS	0.083 U	0.125
PCB-1262 (Aroclor 1262)	NS	0.083 U	0.083 U
PCB-1268 (Aroclor 1268)	NS	0.083 U	0.083 U
Total PCBs	0.09	0.083 U	0.125

Table 12
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Pesticides in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-07_20200107 L2000638-11 1/7/2020 1:15:00 PM µg/L 1	TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM µg/L 1
Compound	AWQSGV	CONC Q	CONC Q
Aldrin	ND	0.014 U	0.014 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.014 U	0.014 U
Alpha Endosulfan	NS	0.014 U	0.014 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.014 U	0.014 U
Beta Endosulfan	NS	0.029 U	0.029 U
Chlordane, Total	0.05	0.143 U	0.143 U
cis-Chlordane	NS	0.014 U	0.025 IP
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.014 U	0.014 U
Dieldrin	0.004	0.029 U	0.006 J
Endosulfan Sulfate	NS	0.029 U	0.029 U
Endrin	ND	0.029 U	0.029 U
Endrin Aldehyde	5	0.029 U	0.029 U
Endrin Ketone	5	0.029 U	0.029 U
Gamma Bhc (Lindane)	0.05	0.014 U	0.014 U
Heptachlor	0.04	0.014 U	0.014 U
Heptachlor Epoxide	0.03	0.014 U	0.01 JP
Methoxychlor	35	0.143 U	0.143 U
P,P'-DDD	0.3	0.029 U	0.033
P,P'-DDE	0.2	0.029 U	0.03
P,P'-DDT	0.2	0.029 U	0.058
Toxaphene	0.06	0.143 U	0.143 U
trans-Chlordane	NS	0.014 U	0.026 IP

Table 13
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS) in Groundwater

AKRF Sample ID Laboratory Sample ID Date Sampled Unit Dilution Factor		TW-09_20200108 L2000638-20 1/8/2020 2:45:00 PM ng/L 1
Compound	EPA Standard	CONC Q
6:2 Fluorotelomer sulfonate	NS	1.82 U
8:2 Fluorotelomer sulfonate	NS	1.82 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	1.82 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	1.82 U
Perfluorobutanesulfonic acid	NS	14.5
Perfluorobutanoic acid	NS	21.2
Perfluorodecanesulfonic acid	NS	1.82 U
Perfluorodecanoic acid	NS	1.66 J
Perfluorododecanoic acid	NS	1.82 U
Perfluoroheptanesulfonic acid	NS	1.82 U
Perfluoroheptanoic acid	NS	9.14
Perfluorohexanesulfonic acid	NS	7.85
Perfluorohexanoic acid	NS	16.7
Perfluorononanoic acid	NS	8.86
Perfluorooctanesulfonic acid	NS	40.9
Perfluorooctanoic acid	NS	37.6
Perfluoropentanoic acid	NS	25.1
Perfluorotetradecanoic acid	NS	1.82 U
Perfluorotridecanoic acid	NS	1.82 U
Perfluoroundecanoic acid	NS	1.82 U
Perfluorooctanesulfonamide	NS	1.82 U
TOTAL PFOA AND PFOS	70	78.5

Table 14
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil Vapor

Sample ID Lab Sample ID Date Sampled Unit Dilution Factor	SV-01_20200109 L2001107-01 1/9/2020 2:08:00 PM µg/m ³ 1	SV-02_20200109 L2001107-02 1/9/2020 2:16:00 PM µg/m ³ 1	SV-03_20200109 L2001107-03 1/9/2020 2:20:00 PM µg/m ³ 1	SV-04_20200109 L2001107-04 1/9/2020 2:22:00 PM µg/m ³ 1	SV-05_20200109 L2001107-05 1/9/2020 2:26:00 PM µg/m ³ 1	SV-06_20200109 L2001107-06 1/9/2020 2:28:00 PM µg/m ³ 1
Compound	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1,2,2-Tetrachloroethane	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U	1.37 U
1,1,2-Trichloroethane	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U	1.09 U
1,1-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,1-Dichloroethene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
1,2,4-Trichlorobenzene	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U	1.48 U
1,2,4-Trimethylbenzene	2.4	2.3	4.29	2.04	2.16	1.89
1,2-Dibromoethane (Ethylene Dibromide)	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U	1.54 U
1,2-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U	0.809 U
1,2-Dichloropropane	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U	0.924 U
1,3,5-Trimethylbenzene (Mesitylene)	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
1,3-Butadiene	0.442 U	1.43	0.442 U	0.442 U	0.442 U	4.47
1,3-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
2,2,4-Trimethylpentane	0.934 U	11.6	0.934 U	0.934 U	0.934 U	4.61
2-Hexanone	1.07	3.14	0.82 U	1.22	0.938	0.82 U
4-Ethyltoluene	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U	0.983 U
Acetone	70.8	87.9	43.2	71	50.1	82
Allyl Chloride (3-Chloropropene)	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U	0.626 U
Benzene	0.639 U	5.43	1.11	0.639 U	0.639 U	3.77
Benzyl Chloride	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U	1.04 U
Bromodichloromethane	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U	1.34 U
Bromoform	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U	2.07 U
Bromomethane	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U	0.777 U
Carbon Disulfide	0.623 U	4.11	4.36	0.828	0.623 U	3.18
Carbon Tetrachloride	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U	1.26 U
Chlorobenzene	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U	0.921 U
Chloroethane	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U	0.528 U
Chloroform	0.977 U	0.977 U	27.6	3.26	0.977 U	14.9
Chloromethane	0.413 U	0.413 U	0.413 U	0.413 U	0.494	0.413 U
Cis-1,2-Dichloroethylene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Cis-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Cyclohexane	0.688 U	1.67	0.688 U	0.688 U	0.688 U	3.01
Dibromochloromethane	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	2.29	2.26	3.08	2.48	2.41	2.18
Ethanol	9.42 U	9.42 U	9.42 U	14.8	9.42 U	9.42 U
Ethyl Acetate	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Ethylbenzene	1.19	2.26	1.71	1.19	0.869 U	1.87
Hexachlorobutadiene	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U	2.13 U
Isopropanol	1.23 U	1.23 U	1.23 U	1.23 U	1.23 U	1.23 U
M,P-Xylenes	5.17	8.12	6.99	4.65	3	6.39
Methyl Ethyl Ketone (2-Butanone)	5.63	13.9	2.98	4.78	3.19	4.48
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U	2.05 U
Methylene Chloride	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U	1.74 U
N-Heptane	0.82 U	3.52	23.5	0.82 U	0.82 U	5.08
N-Hexane	0.705 U	4.19	64.5	0.902	0.945	8.49
O-Xylene (1,2-Dimethylbenzene)	1.63	3.24	2.34	1.82	1.17	2.45
Styrene	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U	0.852 U
Tert-Butyl Alcohol	1.61	3.85	1.52 U	1.76	1.52 U	1.52 U
Tert-Butyl Methyl Ether	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U	0.721 U
Tetrachloroethylene (PCE)	1.36 U	7.39	1.36 U	1.36 U	1.36 U	2.71
Tetrahydrofuran	1.47 U	2.02	1.47 U	1.47 U	1.47 U	1.47 U
Toluene	1.63	11.6	3.38	4.45	1.78	4.82
Trans-1,2-Dichloroethene	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U	0.793 U
Trans-1,3-Dichloropropene	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U	0.908 U
Trichloroethylene (TCE)	1.07 U	3.78	1.07 U	1.07 U	1.07 U	14
Trichlorofluoromethane	1.13	1.14	1.12 U	1.12 U	1.12 U	1.12 U
Vinyl Bromide	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U	0.874 U
Vinyl Chloride	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U	0.511 U

Table 14
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Analytical Results of Volatile Organic Compounds (VOCs) in Soil Vapor

Sample ID Lab Sample ID Date Sampled Unit Dilution Factor	SV-01_20200109 L2001107-01 1/9/2020 2:08:00 PM µg/m ³ 1	SV-07_20200109 L2001107-07 1/9/2020 2:14:00 PM µg/m ³ 1	SV-08_20200109 L2001107-08 1/9/2020 2:10:00 PM µg/m ³ 10	SV-09_20200109 L2001107-09 1/9/2020 2:17:00 PM µg/m ³ 1
Compound	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	1.09 U	1.09 U	10.9 U	1.09 U
1,1,2,2-Tetrachloroethane	1.37 U	1.37 U	13.7 U	1.37 U
1,1,2-Trichloroethane	1.09 U	1.09 U	10.9 U	1.09 U
1,1-Dichloroethane	0.809 U	0.809 U	8.09 U	0.809 U
1,1-Dichloroethene	0.793 U	0.793 U	7.93 U	0.793 U
1,2,4-Trichlorobenzene	1.48 U	1.48 U	14.8 U	1.48 U
1,2,4-Trimethylbenzene	2.4	1.37	9.83 U	2.23
1,2-Dibromoethane (Ethylene Dibromide)	1.54 U	1.54 U	15.4 U	1.54 U
1,2-Dichlorobenzene	1.2 U	1.2 U	12 U	1.2 U
1,2-Dichloroethane	0.809 U	0.809 U	8.09 U	0.809 U
1,2-Dichloropropane	0.924 U	0.924 U	9.24 U	0.924 U
1,3,5-Trimethylbenzene (Mesitylene)	0.983 U	0.983 U	9.83 U	0.983 U
1,3-Butadiene	0.442 U	0.442 U	4.42 U	1.79
1,3-Dichlorobenzene	1.2 U	1.2 U	12 U	1.2 U
1,4-Dichlorobenzene	1.2 U	1.2 U	12 U	1.2 U
2,2,4-Trimethylpentane	0.934 U	0.934 U	9.34 U	0.934 U
2-Hexanone	1.07	4.84	8.2 U	0.82 U
4-Ethyltoluene	0.983 U	0.983 U	9.83 U	0.983 U
Acetone	70.8	25.9	39.4	28.5
Allyl Chloride (3-Chloropropene)	0.626 U	0.626 U	6.26 U	0.626 U
Benzene	0.639 U	0.639 U	6.39 U	1.79
Benzyl Chloride	1.04 U	1.04 U	10.4 U	1.04 U
Bromodichloromethane	1.34 U	1.34 U	13.4 U	1.34 U
Bromoform	2.07 U	2.07 U	20.7 U	2.07 U
Bromomethane	0.777 U	0.777 U	7.77 U	0.777 U
Carbon Disulfide	0.623 U	0.623 U	6.23 U	0.623 U
Carbon Tetrachloride	1.26 U	1.26 U	12.6 U	1.26 U
Chlorobenzene	0.921 U	0.921 U	9.21 U	0.921 U
Chloroethane	0.528 U	0.528 U	5.28 U	0.528 U
Chloroform	0.977 U	2.25	32.3	0.977 U
Chloromethane	0.413 U	0.413 U	4.13 U	0.413 U
Cis-1,2-Dichloroethylene	0.793 U	0.793 U	304	0.793 U
Cis-1,3-Dichloropropene	0.908 U	0.908 U	9.08 U	0.908 U
Cyclohexane	0.688 U	0.688 U	6.88 U	0.688 U
Dibromochloromethane	1.7 U	1.7 U	17 U	1.7 U
Dichlorodifluoromethane	2.29	2.84	9.89 U	2.26
Ethanol	9.42 U	9.42 U	94.2 U	9.42 U
Ethyl Acetate	1.8 U	1.8 U	18 U	1.8 U
Ethylbenzene	1.19	0.886	8.69 U	0.869 U
Hexachlorobutadiene	2.13 U	2.13 U	21.3 U	2.13 U
Isopropanol	1.23 U	1.23 U	12.3 U	1.23 U
M,P-Xylenes	5.17	3.32	17.4 U	2.13
Methyl Ethyl Ketone (2-Butanone)	5.63	5.52	14.7 U	1.47 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	2.05 U	2.05 U	20.5 U	2.05 U
Methylene Chloride	1.74 U	1.74 U	17.4 U	1.74 U
N-Heptane	0.82 U	0.82 U	8.2 U	3.58
N-Hexane	0.705 U	0.705 U	7.05 U	7.96
O-Xylene (1,2-Dimethylbenzene)	1.63	1.14	8.69 U	0.869 U
Styrene	0.852 U	0.852 U	8.52 U	0.852 U
Tert-Butyl Alcohol	1.61	1.52 U	15.2 U	1.52 U
Tert-Butyl Methyl Ether	0.721 U	0.721 U	7.21 U	0.721 U
Tetrachloroethylene (PCE)	1.36 U	6.44	3630	1.36 U
Tetrahydrofuran	1.47 U	1.47 U	14.7 U	1.47 U
Toluene	1.63	2.45	7.54 U	1.21
Trans-1,2-Dichloroethene	0.793 U	0.793 U	65.8	0.793 U
Trans-1,3-Dichloropropene	0.908 U	0.908 U	9.08 U	0.908 U
Trichloroethylene (TCE)	1.07 U	5.86	1370	1.07 U
Trichlorofluoromethane	1.13	1.15	11.2 U	1.12 U
Vinyl Bromide	0.874 U	0.874 U	8.74 U	0.874 U
Vinyl Chloride	0.511 U	0.511 U	5.11 U	0.511 U

Tables 1-14
Lambert Houses Parcel 5
Bronx, NY
Subsurface (Phase II) Investigation
Notes

DEFINITIONS

- E** : Identifies compounds whose concentration exceed the calibration range of the instrument for that specific analysis.
- I** : Matrix interference
- 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.
- NT** : Not tested.
- P** : Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.
- U** : The analyte was not detected at the indicated concentration.
- mg/kg** : milligrams per kilogram = parts per million (ppm)
- µg/L** : micrograms per Liter
- µg/kg** : micrograms per kilogram
- µg/m³** : micrograms per cubic meter of air
- ng/L** : nanograms per Liter

STANDARDS

- 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).

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

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

- NYSDEC Class GA AWQSGVs** : New York State Department of Environmental Conservation 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 and gray shading.

- USEPA DWHAL** : United States Environmental Protection Agency (EPA) Drinking Water Health Advisory Levels

Exceedances of PFAS (total) DWHAL EPA Guidance Values for groundwater samples are highlighted in bold font.

**SOIL BORING, LOW-FLOW GROUNDWATER SAMPLING,
AND SOIL VAPOR SAMPLING LOGS**

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-01		
				Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Direct Push Probe		Drilling		
		Sampling Method:		5' Macrocore		Start Time: 11:05		
		Driller:		Eastern Environmental		Finish Time: 11:35		
		Weather:		36-48 °F, SUNny, 3 mph SW		Date: 01/07/2020		
		Logged By:		E. Venice, AKRF				
Depth (feet)	Recovery (inches)	Surface Condition: Concrete		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	31	Brown SAND, some Brick, trace Concrete, fine Gravel (FILL).		ND	Dry	ND	NA	SB-01_0-2_20200107
2				ND	Dry	ND	NA	
3				ND	Dry	ND	NA	
4				ND	Dry	ND	NA	
5								
6	29	Brown SAND, some Brick, trace Concrete, fine Gravel (FILL).		ND	Dry	ND	NA	SB-01_8-10_20200107
7				ND	Dry	ND	NA	
8				ND	Dry	ND	NA	
9				ND	Dry	ND	NA	
10								
11	37	Top 23": Brown SAND, some Brick, trace Concrete, fine Gravel (FILL). Bottom 14": Black-brown SILT, trace Sand.		ND	Dry	ND	NA	TW-01_20200107
12				ND	Wet @ 12.5'	ND	NA	
13				ND	Wet	ND	NA	
14				ND	Wet	ND	NA	
15								
16	16	Black-brown SILT, trace Sand.		ND	Wet	ND	NA	
				ND	Wet	ND	NA	
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater encountered at approximately 12.5 feet below grade during soil boring installation. End of soil boring at 16 feet below grade.								
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable								
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-02			
				Sheet 1 of 1					
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Remote Probe		Drilling			
		Sampling Method:		3' Macrocore					
		Driller:		Eastern Environmental		Start Time: 08:05		Finish Time: 09:35	
		Weather:		34-41 °F, Cloudy 11 mph WSW		Date: 01/08/2020			
Logged By:		E. Venice, AKRF							
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis	
1 2 3	22	Brown SAND, some Wood, Brick, trace fine Gravel, Asphalt (FILL).		ND	Dry	ND	NA	SB-02_0-2_20200108	
4 5 6	22	Brown SAND and SILT, trace Brick, Asphalt (FILL).		ND	Dry	ND	NA		
7 8 9	23	Top 17": Brown SAND and SILT, trace Brick, Asphalt (FILL). Bottom 6": Gray SAND, some fine Gravel (FILL).		petroleum-like odor petroleum-like odor	Dry Wet @ 8.5'	7.5 390	NA ND		
10 11	15	Top 13": Gray SAND, some fine Gravel (FILL). Bottom 2": Weathered Bedrock.		petroleum-like odor petroleum-like odor	Wet Wet	468 421	ND ND	SB-02_9-11_20200108	
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater encountered at approximately 8.5 feet below grade during soil boring installation. End of soil boring at 11 feet below grade. PID = photoionization detector ppm = parts per million NAPL = non-aqueous phase liquid ND = not detected NA = not applicable Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.									

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-03			
				Sheet 1 of 1					
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Remote Probe		Drilling			
		Sampling Method:		3' Macrocore		Start Time: 11:50		Finish Time: 12:25	
		Driller:		Eastern Environmental					
		Weather:		34-41 °F, Cloudy 11 mph WSW		Date: 01/08/2020			
Logged By:		E. Venice, AKRF							
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis	
1	23	Brown SAND and SILT, trace fine Gravel, Brick (FILL).		ND	Dry	ND	NA	SB-03_0-2_20200108	
2				ND	Dry	ND	NA		
3									
4	19	Brown SAND and SILT, some Brick, trace fine Gravel, Asphalt (FILL).		ND	Dry	ND	NA		
5				ND	Dry	ND	NA		
6									
7	27	Top 12": Gray-brown SAND, trace fine Gravel (FILL). Bottom 6": Gray SAND, some fine Gravel (FILL).		ND	Dry	ND	NA	SB-03_8-10_20200108	
8				ND	Dry	ND	NA		
9				ND	Dry	ND	NA		
10	14	Brown SAND and SILT, trace Brick, Asphalt, fine Gravel (FILL).		ND	Wet @ 9'	ND	NA		
11				ND	Wet	ND	NA		
12									
13	18	Brown SAND and SILT, trace fine Gravel (FILL).		ND	Wet	ND	NA	TW-03_20200108	
14				ND	Wet	ND	NA		
15									
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater encountered at approximately 9 feet below grade during soil boring installation. End of soil boring at 15 feet below grade.									
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable									
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.									

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY		Soil Boring ID:		SB-04		
		AKRF Project Number: 190247		Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Remote Probe	Drilling				
		Sampling Method:	3' Macrocore	Start Time: 08:05		Finish Time: 09:10		
		Driller:	Eastern Environmental	Date: 01/09/2020				
		Weather:	24-34 °F, Clear 11 mph NW					
		Logged By:	E. Venice, AKRF					
Depth (feet)	Recovery (Inches)	Surface Condition: Unpaved		Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1	23	Brown-black SAND, some Concrete, trace Brick, fine Gravel (FILL).		ND	Dry	ND	NA	SB-04_0-2_20200109
2				ND	Dry	ND	NA	
3								
4	14	Brown-black SAND, some Concrete, trace Brick, fine Gravel (FILL).		ND	Dry	ND	NA	
5				ND	Dry	ND	NA	
6								
7	24	Top 14": Brown-black SAND, some Concrete, trace Brick, fine Gravel (FILL). Bottom 10": Brown SAND and SILT, trace Gravel (FILL).		ND	Dry	ND	NA	SB-04_8-10_20200109
8				ND	Dry	ND	NA	
9								
10	20	Top 18": Brown SAND and SILT, trace fine Gravel (FILL). Bottom 2": Weathered Bedrock.		ND	Dry	ND	NA	
11				ND	Dry	ND	NA	
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 11 feet below grade.								
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable								
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-05				
				Sheet 1 of 1						
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Remote Probe		Drilling				
		Sampling Method:		3' Macrocore		Start Time: 10:50			Finish Time: 11:45	
		Driller:		Eastern Environmental						
		Weather:		24-34 °F, Clear 11 mph NW		Date: 01/09/2020				
		Logged By:		E. Venice, AKRF						
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved		Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis		
1	18	Brown SAND, some Brick, trace Concrete, fine Gravel (FILL).		ND	Dry	ND	NA	SB-05_0-2_20200109		
2				ND	Dry	ND	NA			
3										
4	8	Top 6": Brown SAND, some Brick, trace Concrete, fine Gravel (FILL). Bottom 2": Weathered Bedrock.		ND	Dry	ND	NA			
5				ND	Dry	ND	NA			
Notes: Soil sample analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 5.5 feet below grade.										
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable										
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.										

SOIL BORING LOG		Lambert Houses Parcel 5 NY AKRF Project Number: 190247		Bronx,		Soil Boring ID:		SB-06		
						Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Remote Probe		Drilling				
		Sampling Method:		3' Macrocore		Start Time: 12:30		Finish Time: 13:10		
		Driller:		Eastern Environmental		Date: 01/09/2020				
		Weather:		24-34 °F, Clear 11 mph NW						
		Logged By:		E. Venice, AKRF						
Depth (feet)	Recovery (Inches)	Surface Condition: Unpaved				Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1	23	Top 21": Black-brown SAND, some Brick, trace Asphalt, fine Gravel (FILL).				ND	Dry	ND	NA	SB-06_0-2_20200109
2		Bottom 2": Weathered Bedrock.				ND	Dry	ND	NA	
Notes: Soil sample analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 2.5 feet below grade.										
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable										
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.										

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID: Sheet 1 of 2		SB-07		
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Direct Push Probe	Drilling				
		Sampling Method:	5' Macrocore	Start Time: 08:50		Finish Time: 09:20		
		Driller:	Eastern Environmental	Date: 01/07/2020				
		Weather:	36-48°F: Sunny; 3 mph SW					
		Logged By:	E. Venice, AKRF					
Depth (feet)	Recovery (Inches)	Surface Condition: Unpaved		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	46	Top 24": Brown SAND and SILT, trace Brick (FILL). Bottom 22": Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL).		ND	Dry	ND	NA	SB-07_0-2_20200107
2				ND	Dry	ND	NA	
3				ND	Dry	ND	NA	
4				ND	Dry	ND	NA	
5								
6	31	Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL).		ND	Dry	ND	NA	SB-07_8-10_20200107
7				ND	Dry	ND	NA	
8				ND	Dry	ND	NA	
9								
10								
11	17	Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL).		ND	Dry	ND	NA	
12				ND	Dry	ND	NA	
13				ND	Dry	ND	NA	
14								
15								
16	44	Top 8": Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL). Bottom 36": Light Brown-gray SAND and SILT, trace fine Gravel (FILL).		ND	Dry	ND	NA	
17				ND	Dry	ND	NA	
18				ND	Wet @ 18'	ND	NA	
19				ND	Dry	ND	NA	
20								
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater encountered at approximately 18 feet below grade during soil boring installation. End of soil boring at 25 feet below grade. PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

[illegible]

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:	SB-08			
				Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Direct Push Probe	Drilling				
		Sampling Method:	5' Macrocore					
		Driller:	Eastern Environmental	Start Time: 10:25		Finish Time: 10:35		
		Weather:	39-42 °F, Cloudy, 3 mph SW	Date: 01/07/2020				
		Logged By:	E. Venice, AKRF					
Depth (feet)	Recovery (Inches)	Surface Condition: Unpaved		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	56	Top 14": Brown SAND and SILT, trace Brick (FILL). Bottom 42": Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL).		ND	Dry	ND	NA	SB-08_0-2_20200107
2				ND	Dry	ND	NA	
3				ND	Dry	ND	NA	
4				ND	Dry	ND	NA	
5				ND	Dry	ND	NA	
6	39	Top 6": Black-brown SAND, some Brick, Concrete, trace fine Gravel (FILL). Next 8": CONCRETE. Next 14": Brown SAND, some fine Gravel, trace Brick (FILL). Next 9": Brown SAND, some fine Gravel (FILL). Bottom 2": Weathered Bedrock.		ND	Dry	ND	NA	SB-08_8-10_20200107
7				ND	Dry	ND	NA	
8				ND	Dry	ND	NA	
9				ND	Dry	ND	NA	
10				ND	Dry	ND	NA	
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 10 feet below grade.								
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable								
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:	SB-09			
				Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Remote Probe	Drilling			Start Time: 09:45	Finish Time: 10:20
		Sampling Method:	3' Macrocore					
		Driller:	Eastern Environmental	Date: 01/08/2020				
		Weather:	34-41°F Cloudy; 11 mph					
		Logged By:	E. Venice, AKRF					
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved		Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis
1	22	Brown SAND, some fine Gravel, trace Brick, Asphalt (FILL).		ND	Dry	ND	NA	SB-09_0-2_20200108
2				ND	Dry	ND	NA	
3								
4	16	Brown SAND, some fine Gravel, trace Brick, Asphalt (FILL).		ND	Dry	ND	NA	
5				ND	Dry	ND	NA	
6								
7	18	Brown SAND, some fine Gravel, trace Brick, Asphalt (FILL).		ND	Dry	ND	NA	SB-09_8-10_20200108
8				ND	Dry	ND	NA	
9								
10	9	Brown SAND, some fine Gravel, trace Brick, Asphalt (FILL).		ND	Dry	ND	NA	
11								
12				ND	Wet @ 12'	ND	NA	
13	8	Brown SAND, trace Brick, fine Gravel, (FILL).		ND	Wet	ND	NA	
14								
15								
16	NA	No Soil Recovery - Temporary Well Advanced to 18 fbg						TW-09_20200108
17								
18								
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater encountered at approximately 12 feet below grade during soil boring installation. End of soil boring at 18 feet below grade.								
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable								
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:	SB-10			
				Sheet 1 of 1				
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:	Direct Push Probe	Drilling				
		Sampling Method:	5' Macrocore	Start Time: 10:25		Finish Time: 10:35		
		Driller:	Eastern Environmental	Date: 01/07/2020				
		Weather:	39-42 °F, Cloudy, 3 mph SW					
		Logged By:	E. Venice, AKRF					
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved		Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	35	Top 12": Brown SAND and SILT, trace Brick (FILL). Bottom 23": Black-brown SAND, some Brick, fine Gravel, trace Concrete (FILL).		ND	Dry	ND	NA	SB-10_0-2_20200107
2								
3								
4								
5				ND	Dry	ND	NA	
6	21	Black-brown SAND, some Brick, fine Gravel, trace Concrete (FILL).		ND	Dry	ND	None	SB-10_8-10_20200107
7								
8								
9								
10				ND	Dry	ND	None	
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 10 feet below grade.								
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable								
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.								

SOIL BORING LOG		Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-11				
				Sheet 1 of 1						
 440 Park Avenue South, 7 th Floor New York, NY 10016		Drilling Method:		Remote Probe		Drilling				
		Sampling Method:		3' Macrocore		Start Time: 10:05			Finish Time: 10:35	
		Driller:		Eastern Environmental						
		Weather:		24-34 °F, Clear 11 mph NW		Date: 01/09/2020				
		Logged By:		E. Venice, AKRF						
Depth (feet)	Recovery (Inches)	Surface Condition: Unpaved			Odor	Moisture	PID	NAPL	Soil Samples Collected for Laboratory Analysis	
1	16	Top 14": Brown SAND, some Brick, trace fine Gravel, Concrete (FILL).			ND	Dry	ND	NA	SB-11_0-2_20200109	
2		Bottom 2": Weathered Bedrock.			ND	Dry	ND	NA		
Notes: Soil sample analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 2 feet below grade.										
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable										
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.										

SOIL BORING LOG			Lambert Houses Parcel 5 Bronx, NY AKRF Project Number: 190247		Soil Boring ID:		SB-12				
					Sheet 1 of 1						
 440 Park Avenue South, 7 th Floor New York, NY 10016			Drilling Method:		Direct Push Probe		Drilling				
			Sampling Method:		5' Macrocore		Start Time: 12:05			Finish Time: 12:15	
			Driller:		Eastern Environmental		Date: 01/07/2020				
			Weather:		39-42 °F, Cloudy, 3 mph SW						
			Logged By:		E. Venice, AKRF						
Depth (feet)	Recovery (inches)	Surface Condition: Unpaved			Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis		
1	21	Brown SAND, some fine Gravel, trace Silt, Brick, Asphalt (FILL).			ND	Dry	ND	NA	SB-12_0-2_20200107		
2											
3											
4											
5					ND	Dry	ND	NA			
6	41	Black-brown SAND, some Brick, fine Gravel, trace Silt, Asphalt (FILL).			ND	Dry	ND	NA	SB-10_8-10_20200107		
7											
8											
9											
10					ND	Dry	ND	NA			
Notes: Soil samples analyzed for VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, TAL metals plus hexavalent chromium by EPA Method 6010 and 7471. Groundwater not encountered during soil boring installation. End of soil boring at 10 feet below grade.											
PID = photoionization detector NAPL = non-aqueous phase liquid ND = not detected NA = not applicable											
Soil classifications and descriptions presented are based on the Modified Burmister Classification System. Descriptions were developed for environmental purposes only.											

Page 1 of 2



Well Sampling Log

Job No: 190247					Client: Boston Tremont HDFC				Well No: TW-09	
Project Location: Lambert Houses - Parcel 5					Sampled By: E. Venice					
Date: 01/08/2020					Sampling Time: 15:40					
LEL at surface: N/A										
PID at surface: ND										
Total Depth:		18.00 ft. below top of casing			Water Column (WC):		5.1 feet		*= 0.163 * WC for 2" wells	
Depth to Water:		12.90 ft. below top of casing			Well Volume*:		0.210 gallons		*= 0.653 * WC for 4" wells	
Depth to Product:		N/A ft. below top of casing			Volume Purged:		3 gallons		*= 1.469 * WC for 6" wells	
Depth to top of screen:		8.00 ft. below top of casing			Well Diam.:		1 inches		Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:		18.00 ft. below top of casing			Purging Device (pump type): Persistaltic Pump w/ Horiba U-52					
Approx. Pump Intake:		15.00 ft. below top of casing								
Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (°C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)	
14:10	12.90	100	12.83	0.952	4.12	7.90	-130.0	520	No odor or sheen was noted on the purge water or the sample.	
14:15	12.90	100	14.07	0.951	0.14	7.54	-139.0	208		
14:20	12.90	100	14.19	0.953	0.00	7.45	-139.0	91.6		
14:25	12.90	100	14.20	0.956	0.00	7.41	-138.0	74.6		
14:30	12.90	100	14.23	0.960	0.00	7.38	-137.0	50		
14:35	12.90	100	13.73	0.960	0.00	7.37	-134.0	50.6		
14:40	12.90	100	13.75	0.960	0.00	7.37	-133.0	47.8		
SAMPLING										
15:00	12.90	100	13.65	0.960	0.00	8.10	-141.0	65.2		
Stabilization Criteria:				+/- 3 mS/cm	+/- 0.3 mg/L	+/- 0.1 pH units	+/- 10 mV	<50 NTU	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.	
Groundwater samples analyzed for: VOCs by EPA Method 8260, SVOCs by EPA Method 8270, Pesticides/PCBs by EPA Method 8081/8082, total metals, dissolved metals, hexavalent chromium by EPA Method 7471, PFAS compounds by EPA Method 537, 1,4-dioxane by EPA Method 8270D Selective Ion Monitoring (SIM).										



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDfC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.4 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-01	SUMMA® Canister ID:	588
Flow Controller ID:	617	Soil Vapor Sample ID:	SV-01_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:08	-31.40	ND	
Time Halfway:	15:00	-19.31	ND	
Time Stopped:	16:00	-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-01_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.5 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-02	SUMMA® Canister ID:	3252
Flow Controller ID:	1164	Soil Vapor Sample ID:	SV-02_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:16	-31.46	ND	
Time Halfway:	15:08	-20.33	ND	
Time Stopped:	16:07	-5.63	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-02_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.6 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-03	SUMMA® Canister ID:	3278
Flow Controller ID:	1055	Soil Vapor Sample ID:	SV-03_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:20	-31.22	ND	
Time Halfway:	15:14	-20.74	ND	
Time Stopped:	16:23	-5.38	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-03_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.3 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-04	SUMMA® Canister ID:	3270
Flow Controller ID:	1516	Soil Vapor Sample ID:	SV-04_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:22	-31.33	ND	
Time Halfway:	15:17	-20.66	ND	
Time Stopped:	16:22	-5.10	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-04_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	5.5	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.6 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-05	SUMMA® Canister ID:	2522
Flow Controller ID:	1556	Soil Vapor Sample ID:	SV-05_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:26	-31.18	ND	
Time Halfway:	15:18	-19.84	ND	
Time Stopped:	16:27	-3.56	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-05_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	2.5	Feet	Total Time of Purge:	6 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	1 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.8 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-06	SUMMA® Canister ID:	2291
Flow Controller ID:	1520	Soil Vapor Sample ID:	SV-06_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:28	-31.47	ND	
Time Halfway:	15:19	-21.95	ND	
Time Stopped:	16:29	-7.91	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-06_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.4 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-07	SUMMA® Canister ID:	2314
Flow Controller ID:	1105	Soil Vapor Sample ID:	SV-07_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:14	-31.45	ND	
Time Halfway:	15:05	-20.20	ND	
Time Stopped:	16:14	-4.05	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-07_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDLC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	2.1 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-08	SUMMA® Canister ID:	2267
Flow Controller ID:	1517	Soil Vapor Sample ID:	SV-08_20200109

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:10	-31.44	ND	
Time Halfway:	15:02	-18.10	ND	
Time Stopped:	15:54	-4.67	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-08_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			



Soil Vapor Sample Log

AKRF Project No:	190247	Point Installed By:	Eastern Environmental
Project Location:	Lambert Houses - Parcel 5	Installation Method:	Direct Push Probe
Client:	Boston Tremont HDFC	Sampled By:	E. Venice
Date:	1/9/2020	Weather:	24-34°F; Clear; 11 mph WSW

Sample Setup

Vapor Point Depth:	10	Feet	Total Time of Purge:	10 minutes
Purging Pump:	Gilair Plus (or equal)		Purge Volume:	2 L
Pump Flow Rate*:	0.2	L/min	Purged Vapor PID:	0.4 ppm
			Helium Concentration:	0 %

Sample Identification

Soil Vapor Point ID:	SV-09	SUMMA® Canister ID:	3271
Flow Controller ID:	1518	Soil Vapor Sample ID:	SV-09_20200109

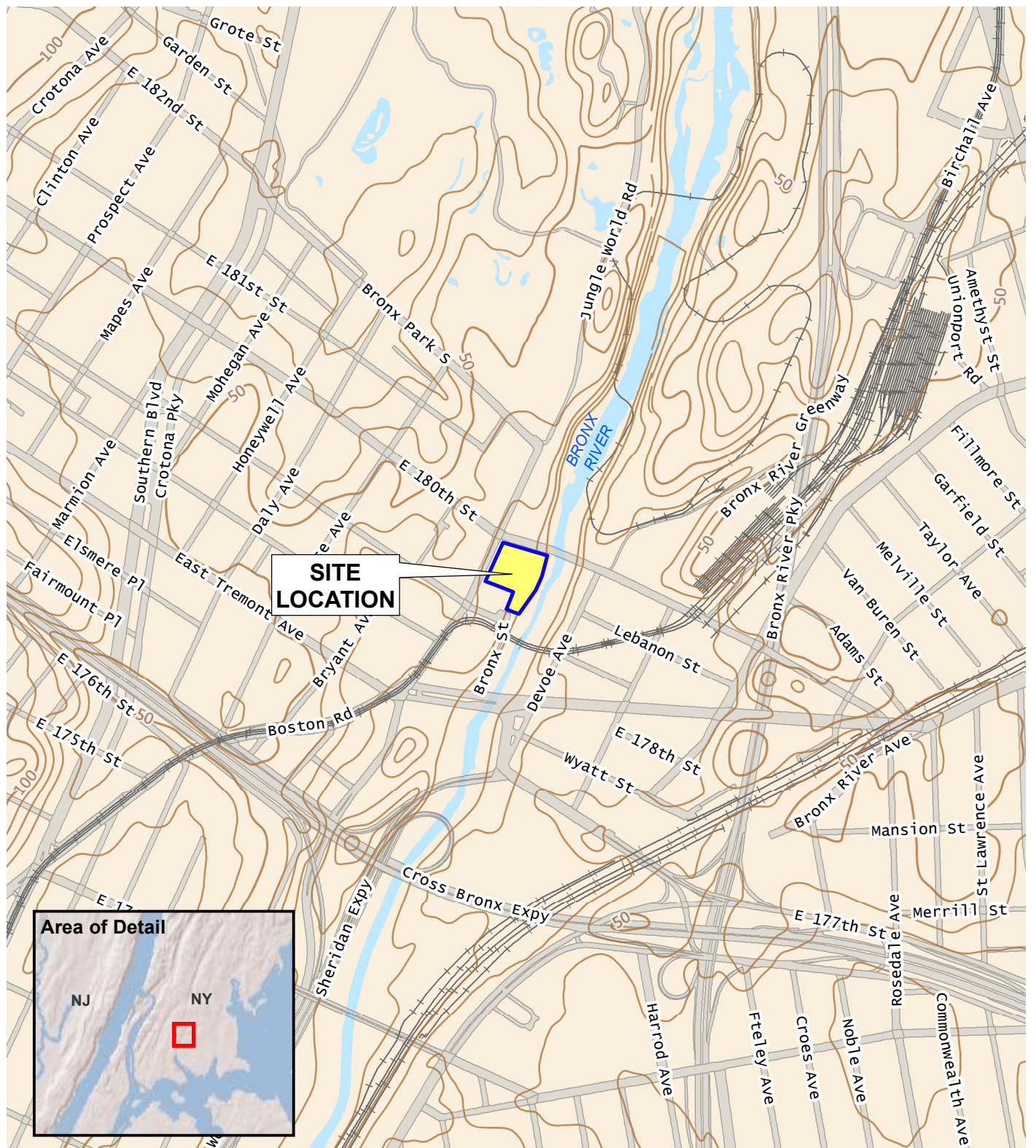
Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	14:17	-31.38	ND	
Time Halfway:	15:10	-19.85	ND	
Time Stopped:	16:08	-5.24	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-09_20200109 collected in a 6-L SUMMA® canister using a 2-hour flow controller.			

FIGURES

© 2019 AKRF. W:\Projects\190247 - LAMBERT HOUSES PARCEL 5\Technical\GIS and Graphics\Hazmat\190247 Fig 1 site loc map.mxd 8/9/2019 11:26:24 AM jslalus



0 800 1,600
SCALE IN FEET



440 Park Avenue South, New York, NY 10016

Lambert Houses Parcel 5
Block 3140, Lot 7
Bronx, New York

SITE LOCATION

DATE

8/9/2019

PROJECT NO.

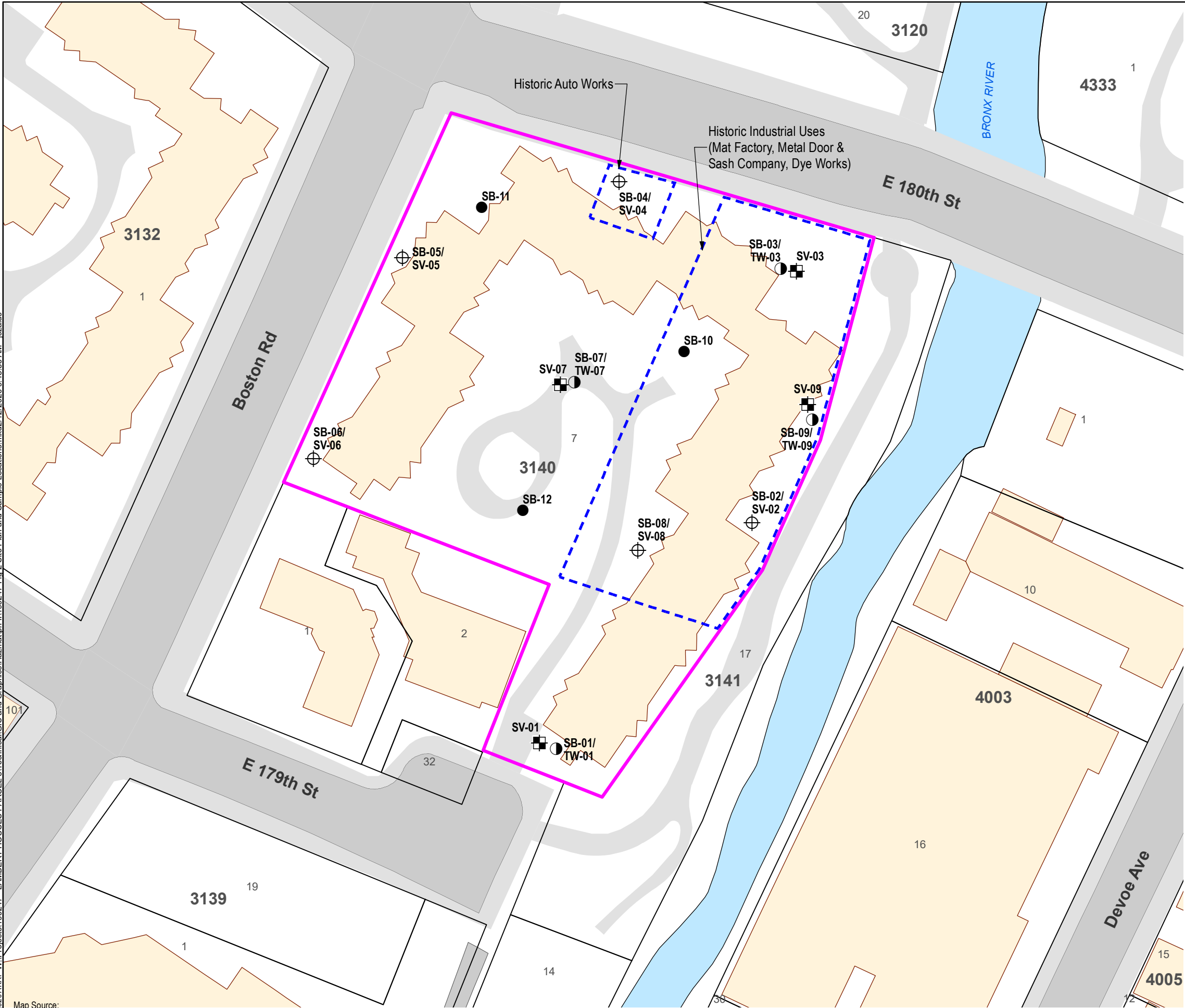
190247

FIGURE

1

© 2020 AKRF W:\Projects\190247 - LAMBERT HOUSES PARCEL 5\Technical\GIS and Graphics\Hazmat\p11190247 Fig 2 Site Plan and Sample Locations.mxd 2/12/2020 9:45:36 AM iszalius

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



- LEGEND**
- PROJECT SITE BOUNDARY
 - 7 LOT BOUNDARY AND TAX LOT NUMBER
 - 3140** BLOCK NUMBER
 - BUILDING
 - SOIL BORING
 - + SOIL BORING/SOIL VAPOR POINT
 - SOIL BORING/TEMPORARY WELL
 - + TEMPORARY SOIL VAPOR POINT

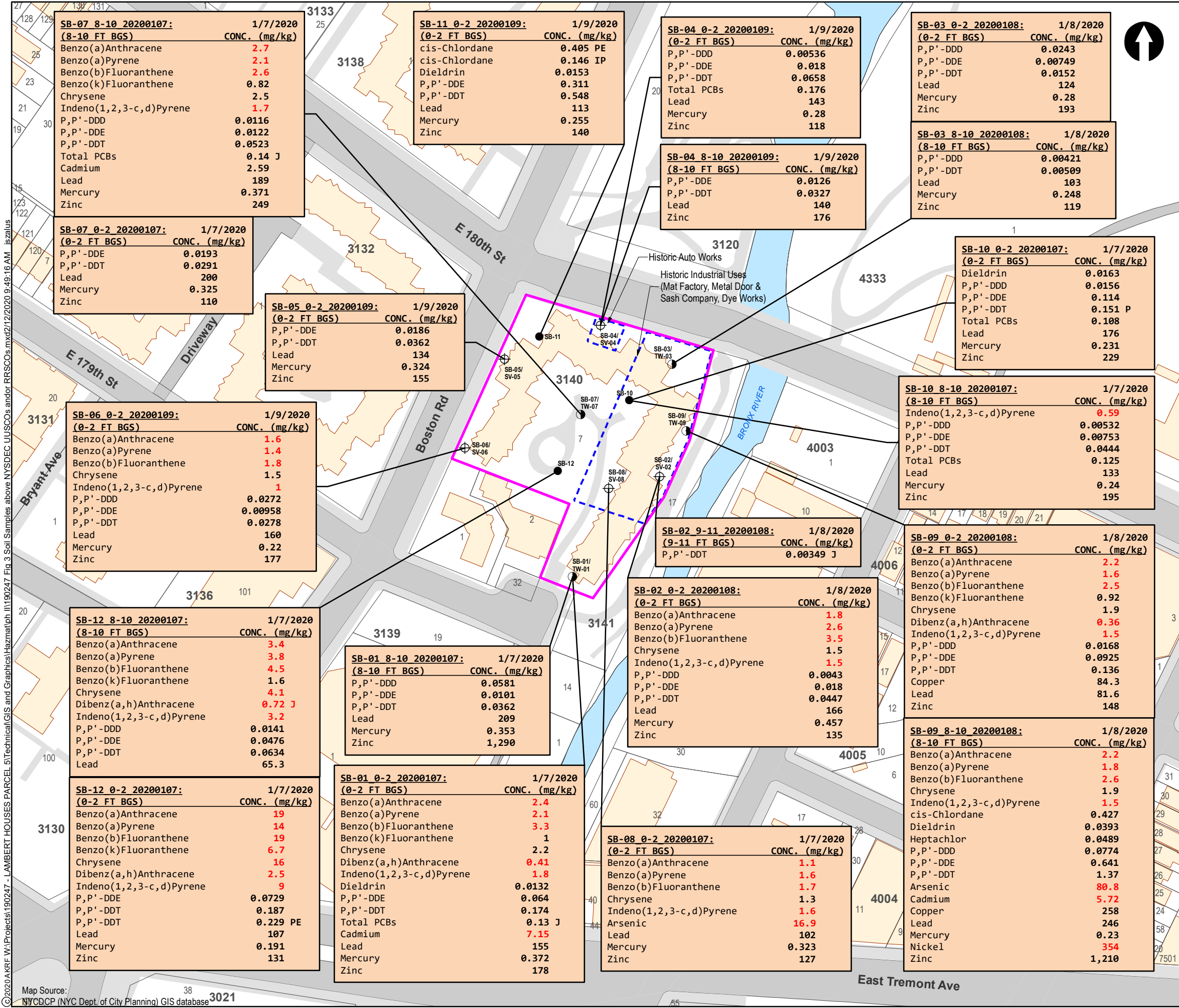


Lambert Houses Parcel 5
Block 3140, Lot 7
Bronx, New York

AKRF
440 Park Avenue South, New York, NY 10016

SITE PLAN AND SAMPLE LOCATIONS

DATE
2/12/2020
PROJECT NO.
190247
FIGURE
2



	PART 375 RESTRICTED RESIDENTIAL (mg/kg)	PART 375 UNRESTRICTED (mg/kg)
Semivolatile Organic Compounds		
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Benzo(k)Fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
Metals		
Arsenic	16	13
Cadmium	4.3	2.5
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109
PCBs		
Total PCBs	1	0.1
Pesticides		
Chlordane, cis-	4.2	0.094
Dieldrin	0.2	0.005
Heptachlor	2.1	0.042
P,P'-DDD	13	0.0033
P,P'-DDE	8.9	0.0033
P,P'-DDT	7.9	0.0033

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

Exceedances of NYSDEC Unrestricted Use Soil Cleanup Objectives (UUSCOs) are presented in bold font.

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

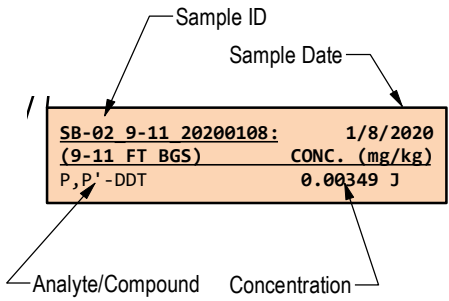
mg/kg: milligrams per kilogram = parts per million (ppm)

E: Identifies compounds whose concentration exceed the calibration range of the instrument for that specific analysis.

I: Matrix interference

J: The reported value is estimated value

P: Indicates a pesticide/aroalor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.



LEGEND

- PROJECT SITE BOUNDARY
 - LOT BOUNDARY AND TAX LOT NUMBER
 - BLOCK NUMBER
 - BUILDING
 - SOIL BORING
 - SOIL BORING/TEMPORARY SOIL VAPOR POINT
 - SOIL BORING/TEMPORARY WELL
- 0 50 100 200
SCALE IN FEET

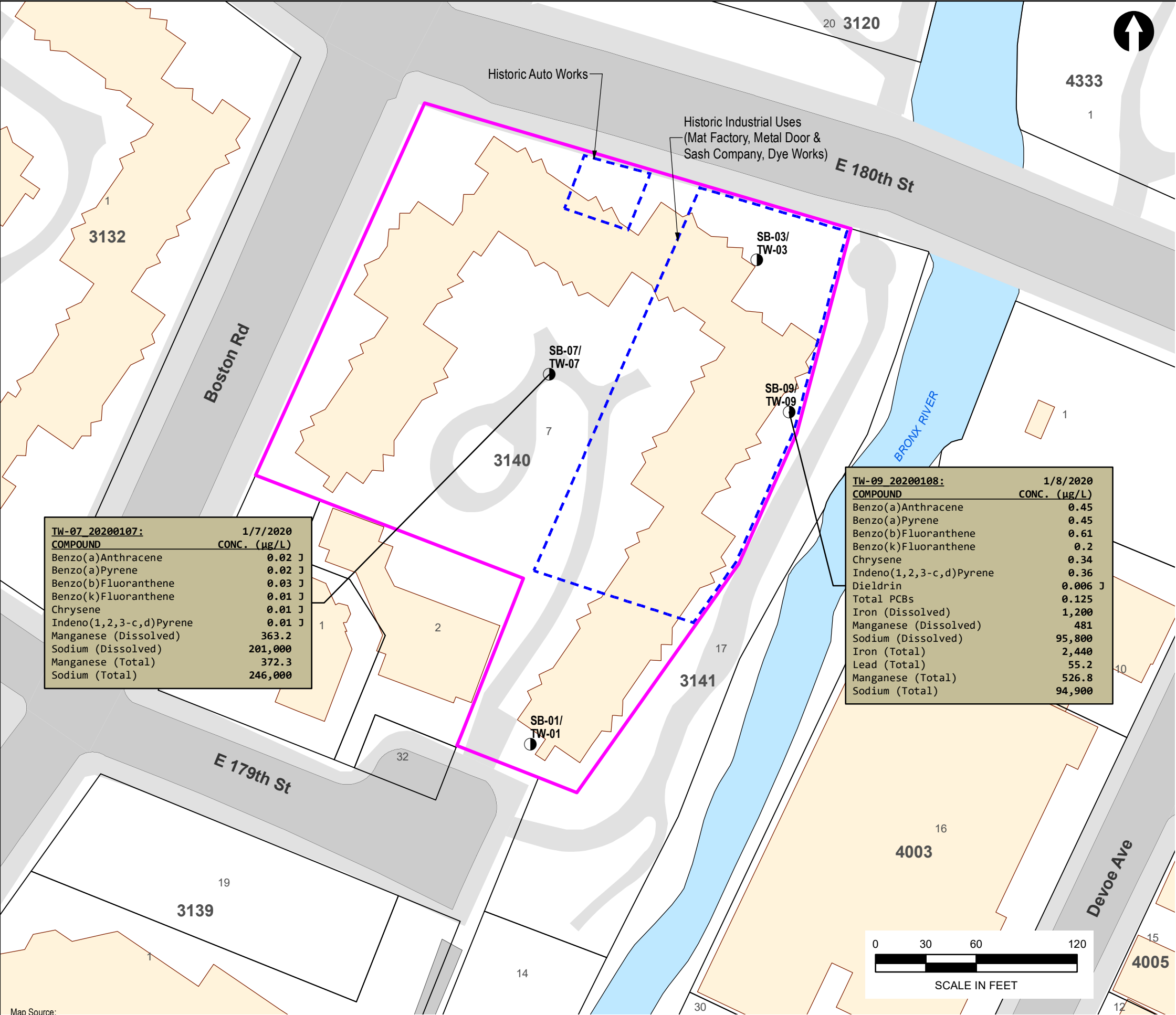
Lambert Houses Parcel 5
Block 3140, Lot 7
Bronx, New York

AKRF
440 Park Avenue South, New York, NY 10016

SOIL SAMPLES ABOVE NYSDEC UUSCOs and/or RRSCOs

DATE
2/12/2020
PROJECT NO.
190247
FIGURE
3

© 2020 AKRF W:\Projects\190247 - LAMBERT HOUSES PARCEL 5\Technical\GIS and Graphics\Hazmat\p1.5\190247 Fig 4 Groundwater Sample Concentrations Above NYSDEC AWQSGVs.mxd 2/12/2020 9:51:38 AM jzsalus



NYSDEC AWQSGVs (µg/L)	
Semivolatile Organic Compounds	
Benzo(a)Anthracene	0.002
Benzo(a)Pyrene	0
Benzo(b)Fluoranthene	0.002
Benzo(k)Fluoranthene	0.002
Chrysene	0.002
Indeno(1,2,3-c,d)Pyrene	0.002
Metals	
Iron	300
Lead	25
Manganese	300
Sodium	20000
PCBs	
Total PCBs	0.09
Pesticides	
Dieldrin	0.004

GROUNDWATER

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

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

Exceedances of NYSDEC AWQSGVs are shown in bold font.

J: The concentration given is an estimated value.

1/7/2020	
Sample ID	Sample Date
TW-07 20200107:	
CONC. (µg/L)	
Benzo(a)Anthracene	0.02 J
Benzo(a)Pyrene	0.02 J
Benzo(b)Fluoranthene	0.03 J
Benzo(k)Fluoranthene	0.01 J
Chrysene	0.01 J
Indeno(1,2,3-c,d)Pyrene	0.01 J
Manganese (Dissolved)	363.2
Sodium (Dissolved)	201,000
Manganese (Total)	372.3
Sodium (Total)	246,000
Analyte/Compound	Concentration

LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- 3140 BLOCK NUMBER
- BUILDING
- SOIL BORING/TEMPORARY WELL

Lambert Houses Parcel 5
Block 3140, Lot 7
Bronx, New York

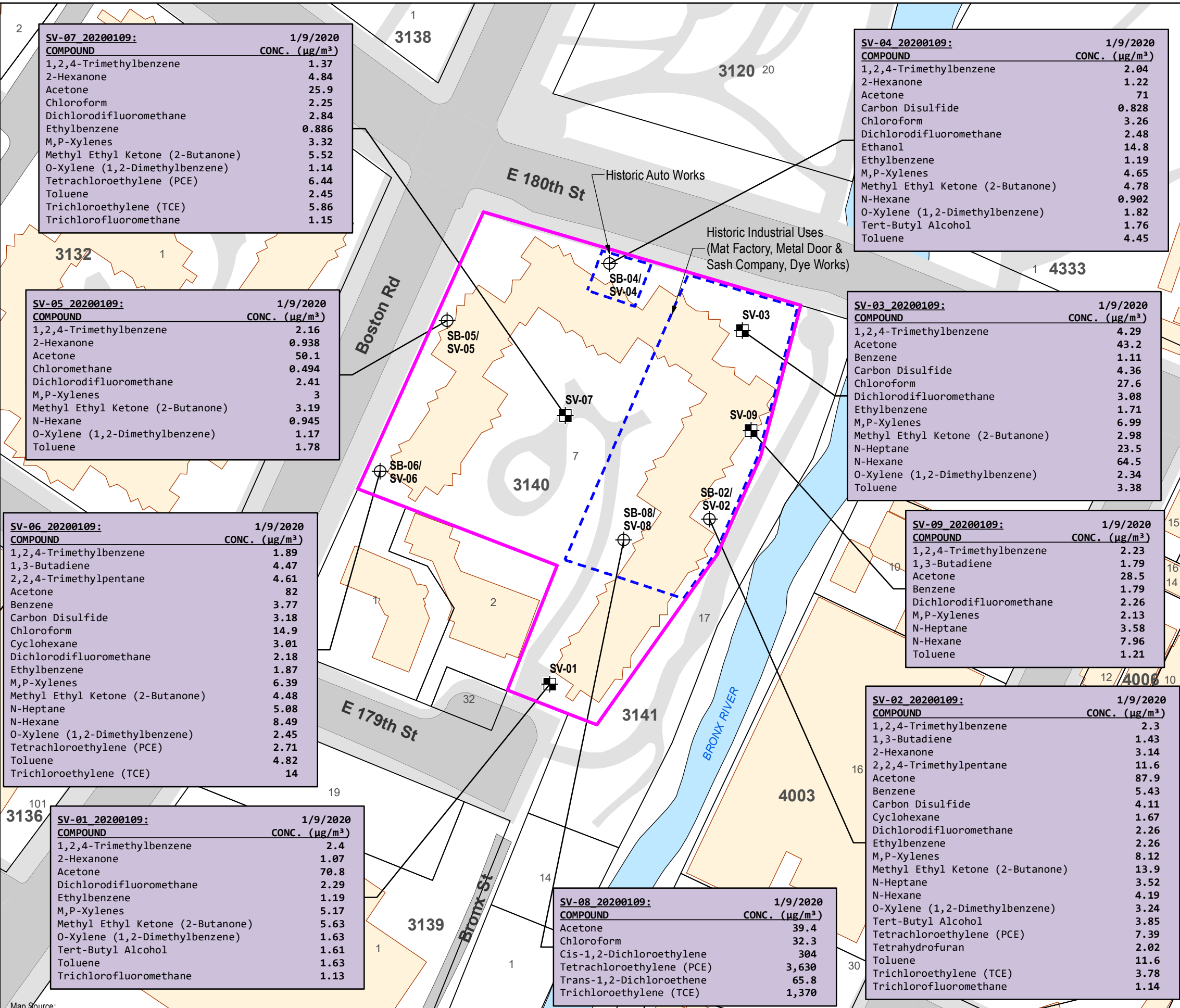


440 Park Avenue South, New York, NY 10016

GROUNDWATER SAMPLE CONCENTRATIONS ABOVE NYSDEC AWQSGVs

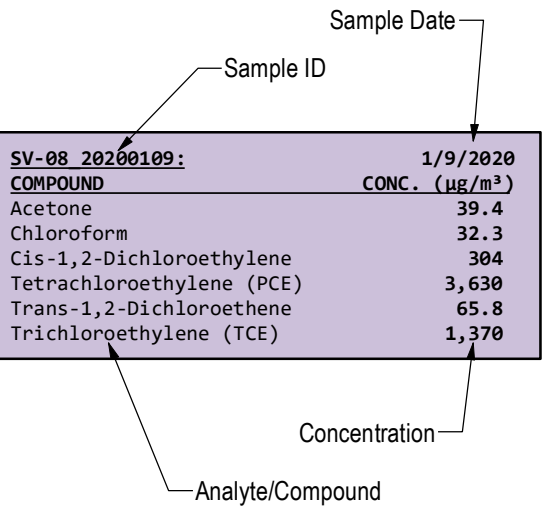
DATE	2/12/2020
PROJECT NO.	190247
FIGURE	4

© 2020 AKRF W:\Projects\190247 - LAMBERT HOUSES PARCEL 5\Technical\GIS and Graphics\Hazard\Fig 5 Soil Vapor Sample Concentrations.mxd 2/12/2020 9:56:11 AM iszalus



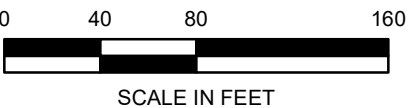
µg/m³: micrograms per cubic meter

Concentrations detected above the laboratory reporting limit are shown.



LEGEND

- PROJECT SITE BOUNDARY
- LOT BOUNDARY AND TAX LOT NUMBER
- BLOCK NUMBER
- BUILDING
- SOIL BORING/SOIL VAPOR POINT
- TEMPORARY SOIL VAPOR POINT



Lambert Houses Parcel 5
Block 3140, Lot 7
Bronx, New York

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DATE
2/12/2020
PROJECT NO.
190247
FIGURE
5