ATTACHMENT C
SECTION III: PROPERTY'S ENVIRONMENTAL HISTORY

Item 1 – Reports

Environmental reports prepared for the site are summarized below and include the following:

- *Final Remedial Investigation Report: Fulton Municipal Works Former Manufactured Gas Plant Site*, prepared by GEI Consultants, Inc. in accordance with NYSDEC DER-10, July 2012
- *Draft Phase I Environmental Site Assessment*, prepared by Assessment Resources & Technologies, Inc. in accordance with ASTM E1527-05, 14 October 2013
- *Draft Focused Subsurface Site Investigation*, prepared by Assessment Resources & Technologies, Inc., 20 November 2013
- *Indoor Air Quality Assessment Report,* prepared by Assessment Resources & Technologies, Inc., 2 December 2013
- *Phase I Environmental Site Assessment*, prepared by Roux Associates, Inc. in accordance with ASTM E1527-13, 31 October 2017
- *Phase II Environmental Investigation Report,* prepared by Langan, 18 September 2020
- *Interim Remedial Measures Work Plan,* prepared by Langan, December 2020

The 2012 Final Remedial Investigation Report by GEI Consultants, Inc., is for the Fulton Municipal Works Former Manufactured Gas Plant (MGP) site, located east of the subject property and across the Gowanus Canal. A subsurface investigation was performed on the subject property to determine extents of off-site contamination due to former MGP operations at the nearby site. Although the analytical data packages and sample location plans are provided within this attachment, the report in its entirety is publically available and can be accessed online at http://www.fultonmgpsite.com/key_docs_reports.html. The 2013 Draft Phase I Environmental Site Assessment and Draft Focused Subsurface Site Investigation reports by Assessment Resources & Technologies, Inc. are provided as separate electronic documents, and they are also found within the 2017 Phase I ESA by Roux Associates, Inc. which is provided within this attachment. The December 2013 Indoor Air Quality Assessment Report, the September 2020 Phase II Environmental Investigation Report, and the December 2020 Interim Remedial Measures Work Plan are also provided within this attachment. Findings of the previous reports are summarized below:

Lot 21

Final Remedial Investigation Report – GEI Consultants, Inc. (2012)

The 2012 Final Remedial Investigation Report was prepared on behalf of National Grid for the Fulton Municipal Works Former Manufactured Gas Plant (Fulton MGP), located to the east of the site across the Gowanus Canal. A subsurface investigation was performed on the site to determine the extents of off-site contamination due to former MGP operations across the Canal.

Historically, the Fulton MGP discharged contaminants to the Gowanus Canal, a National Priority List site, during site operations. USEPA identified National Grid as a responsible party for remediation of the former Fulton MGP and any MGP-related impacts which were determined to have migrated into the Gowanus Canal. The principal contaminants of concern identified consist of coal tar containing PAHs, typically encountered as a dense non-aqueous phase liquid (DNAPL).

Regional geology documented in the report includes a 5- to 30-foot thick fill layer associated with the construction of the Gowanus Canal and creation of land adjacent to the Canal. The fill layer is underlain by alluvial/marsh deposits consisting of alluvial sand and organic marsh deposits (meadow mat) which range in thickness from 0.25 to 17 feet and were encountered throughout the Fulton MGP investigation area at approximately el. -11 NAVD88. Glacial deposits consisting of sandy glacial outwash and till is present beneath the alluvial/marsh deposit layer, and overlies the Jameco Gravel unit, which is present between approximately 125 and 145 feet bgs or approximately el. -115 and el. -135 NAVD88. Fordham Gneiss bedrock is present beneath the area at a depth of approximately 151 feet bgs or approximately el. -142 NAVD88. Two groundwater aquifers are defined for the Fulton MPG, consisting of an Upper Glacial Aquifer and the Jameco Aquifer. The Upper Glacial Aquifer is subdivided into shallow, intermediate, and deep groundwater zones and is generally unconfined. The shallow groundwater zone of the Upper Glacial Aquifer is considered to be within the fill and alluvial/marsh deposits and the intermediate and deep zones are located within the glacial outwash deposits. The Jameco Aquifer underlies the glacial outwash deposits and is considered to be a regionally semi-confined aquifer. Tidal effects were observed on the groundwater elevations in both aquifers during the GEI investigations.

This report identified the parking lot in the northern portion of Lot 21 as "Parcel VIII" and identified coal tar-related and possibly petroleum-related soil contamination. Coal tar related impacts (DNAPL, staining, sheen) were identified in soil boring FW-SB-45 installed in the northeastern portion of Parcel VIII from approximately 25 to 107 feet bgs. Coal tar saturated soil was encountered from 39 to 42 feet bgs and a tar saturated sample was collected from 40 to 41 feet bgs. High concentrations of volatile organic compounds (VOCs) including benzene,

toluene, ethylbenzene, and xylene (collectively referred to as BTEX) and PAHs were identified in the sample at total concentrations of 3,290 milligrams-per-kilogram (mg/kg) and 26,050 mg/kg, respectively.

Soil borings FW-SB-46 and FW-MW-22S/I were advanced within the Degraw Street right-of-way immediately to the south of Lot 21. Coal tar saturated soil was encountered in FW-SB-46 at 27 feet and from 32 to 38 feet bgs, and evidence of tar impacts were observed between 27 and 71 feet bgs. Evidence of tar impacts were observed in soil at FW-MW-22I at 29.5 to 30 feet bgs. During groundwater sample collection from FW-MW-22I, coal tar impacts were observed on sample tubing. A groundwater sample was not submitted to the laboratory due to the impacts observed.

The chlorinated VOCs (CVOCs) trichloroethylene (TCE) and PCE were detected in a well (FW-MW-21A) located west of the subject property at concentration of 14 µg/l and 26 µg/l, estimated, respectively. As chlorinated VOCs are not associated with coal tar impacts from former MGP operations, GEI indicated that the detected CVOCs originated from sources other than the former MGP.

Parcel VIII was not part of the operating footprint of the Fulton MGP; selection of the site parking lot was reportedly based on the ease of access as allowed by the site owner. The report did not suggest that Parcel VIII was a known or suspected source of contamination entering the Gowanus Canal. The Feasibility Study prepared by GEI for the Fulton MGP in March 2015 clarified that impacts west of the Gowanus Canal, including co-mingled tar and petroleum, were attributed to contaminants from a number of sources and, with NYSDEC's approval, these impacts were excluded from the Feasibility Study. The Proposed Remedial Action Plan (April 2015) and Remedial Design Work Plan (January 2016) were prepared to address the footprint of the Fulton MGP only, and did not address off-site parcels.

Draft Phase I Environmental Site Assessment – Assessment Resources & Technologies, Inc. (2013)

The 2013 Phase I ESA was prepared on behalf of Midwood Management for Lot 21. Appendices for the report were not provided. At the time of the investigation, the site operated as a television production studio.

ART reviewed the 2012 Final Remedial Investigation Report for the Fulton Municipal Works Former MGP Site (summarized above) as part of the Phase I ESA. ART identified that the presence of VOCs in groundwater at the adjacent site presented a potential vapor intrusion concern. As Lot 21 also historically operated as a coal yard, a paper manufacturing and printing facility, and a plastic manufacturing facility, ART identified that historical site use could also potentially contribute to subsurface contamination.

ART also provided third-party oversight for the installation of one geotechnical soil boring advanced in the parking lot to 47 feet bgs as part of the Phase I ESA. The boring was installed using mud rotary drilling methods on 25 September 2013. Contamination was identified from 20 feet bgs to approximately 47 feet bgs, where the boring was terminated due to encountering a potential confining silty clay layer. Elevated PID readings (500 ppm) and free-phase heavy grade petroleum were identified from 40 to 42 feet bgs. Although the report identifies that coal tar was not observed in this boring, the impacts that were attributed to the presence of petroleum at a depth of 40 to 42 feet bgs are likely coal tar.

Based on the findings of the Phase I ESA, ART identified the presence of petroleum and coal tar impacts in deeper soil and PCE and benzene at the adjacent site to the north as a recognized environmental condition (REC) and recommended a subsurface investigation to assess for impacts in soil and groundwater and to determine if the source of contamination is due to historical on-site operations or from an off-site source.

Draft Focused Subsurface Site Investigation – Assessment Resources & Technologies, Inc. (2013)

ART conducted a Draft Focused Subsurface Site Investigation on behalf of Midwood Management for Lot 21 based on findings from the October 2013 Draft Phase I ESA. Laboratory analytical reports were not provided. Analytical results as reported in the report text are summarized in Tables 1 through 3 of this report.

ART installed five soil borings (B1 through B5) up to 30 feet bgs. Soil borings B1 through B3 were installed within the exterior portion of the site and soil borings B4 and B5 were installed inside the on-site building. Evidence of impacts were generally not observed within the fill layer; however, deep soil impacts indicative of petroleum and/or coal tar contamination were observed in two boring locations (B1 and B4) below approximately 20-feet bgs. Elevated PID readings (400 ppm) were also encountered within the top four-feet of fill material in B4. One soil sample from each boring was collected from the fill layer, with the exception of B4 where three soil samples were collected to assess evidence of impacts observed at varying depths. All soil samples were analyzed for VOCs, six of the samples were analyzed for semi-volatile organic compounds (SVOCs), and three samples were analyzed for polychlorinated biphenyls (PCBs).

Soil borings B1 through B4 were converted to temporary groundwater monitoring wells (B1GW through B4GW). A shallow groundwater sample and a deep groundwater sample were taken from each location. During low flow purging activities, petroleum sheen and moderate to strong petroleum odors were observed within deep groundwater intervals (approximately 19 to 29 feet bgs). Petroleum impacts were not observed during shallow purge

activities. All groundwater samples were analyzed for VOCs, seven were analyzed for SVOCs, and three were analyzed for PCBs.

ART installed two interior and one exterior sub-slab soil vapor sampling probes (SG1 through SG3). Three implant volumes were purged from each sampling point and helium testing was completed to determine the effectiveness of the probe seal. Six liter sample volumes were collected with a 0.2 liter per minute flow controller. Samples were analyzed for VOCs by USEPA Method TO-15.

Soil analytical results were compared to NYSDEC Part 375 SCOs. The only VOC detected above the NYSDEC Unrestricted Use Objectives (UUOs) was acetone, a common laboratory artifact, in one sample. PAHs were detected above NYSDEC SCOs in two borings from between 3 and 5 feet bgs. PAHs detected included benzo(k)fluoranthene above the UUOs in one sample, chrysene above the Residential Restricted Use Soil Cleanup Objectives (RUSCOs) in both samples, benzo(a)anthracene, benzo(b)fluoranthene, and indeno(1,2,3-cd)pyrene above the Restricted Residential RUSCO in both samples, dibenzo(a,h)anthracene above the Restricted Residential RUSCO in one sample, and benzo(a)pyrene above the Industrial RUSCO in both samples. Additionally, total PCBs were detected above the NYSDEC Commercial RUSCO in one boring from 3 to 5 feet bgs.

Groundwater analytical results were compared to New York State 6 NYCRR Part 703.5 Class GA groundwater standards or the NYSDEC AWQSGVs. VOCs typically associated petroleum impacts were including BTEX and naphthalene were detected above the NYSDEC AWQSGVs in deep groundwater samples. BTEX concentrations detected included 512.84 micrograms-per-liter (µg/l) in B1GW (25 to 29 feet), 861 µg/l in B2GW (20 to 25 feet), 4.72 µg/l in B3GW (25 to 27 feet), and 152.48 µg/l in B4GW (19 to 23 feet). Naphthalene concentrations were detected at 130 µg/l in B1GW (25 to 29 feet), 3,000 µg/l in B2GW (20 to 25 feet), and 290 µg/l B3GW (25 to 27 feet). Other petroleum-related VOCs including 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, p-isopropyltoluene, methyl-tert-butyl-ether, n-propylbenzene were also detected above the GWQS in B1GW (25 to 29 feet).

Shallow groundwater exceedances of the AWQSGVs for VOCs were not detected except for benzene (4.4 µg/L, estimated) in B4GW (7 to 12 feet). As notably elevated concentrations of petroleum-related compounds were detected in deep groundwater samples, ART determined that VOCs in groundwater are due to coal-tar related VOCs from the Gowanus Canal and former MGP operations nearby migrating onto the subject property. Analytical results also identified exceedances of the AWQSGVs for the SVOC acenaphthene in B1GW (25 to 29 feet) and B2GW (20 to 25 feet). Analytical results for PCBs were not provided in the report.

Soil vapor analytical results were compared to the NYSDOH Final Guidance for Evaluation of Soil Vapor Intrusion matrices A through C dated October 2006 and revised in May 2017. Soil vapor results revealed that TCE was detected at 9,136 micrograms-per-meter-cubed (µg/m3) at an interior sub-slab soil vapor sampling location (SG3 Interior). According to New York State Department of Health Soil Vapor/Indoor Air Decision Matrix A, the TCE concentration reported in the subslab requires mitigation. The chlorinated VOCs methylene chloride (1.74 µg/m3 – 33 µg/m3), carbon tetrachloride (0,25 µg/m3, estimated – 34 µg/m3), 1,1-dichloroethane (11.7 µg/m3), 1,1,1-trichloroethane (0.16 µg/m3, estimated – 66.8 µg/m3), tetrachloroethylene (0.41 µg/m3, estimated – 91.6 µg/m3), TCE (1.61 µg/m3, estimated), and cis-1,2-dichloroethene (7.93 µg/m3, estimated) were detected within sub-slab soil vapor samples collected, but at concentrations requiring no further action according to NYSDOH Soil Vapor/Indoor Air Decision Matrix A and Matrix B. Results for vinyl chloride, the NYSDOH Soil Vapor/Indoor Air Decision Matrix C compound, were not provided. Additionally, various petroleum-related VOCs were detected including BTEX; however, no regulatory standard exists for these VOCs in soil vapor.

Based on the findings of the investigation, ART recommended periodic indoor air quality monitoring and potential corrective action for VOCs detected in soil vapor. ART also noted that the removal of fill during future redevelopment actions may require increased costs due to PCB and SVOC contamination detected within the fill layer. Deeper groundwater contaminants were observed and could potentially migrate to shallower areas if dewatering pumping activities are required during redevelopment of the site.

Indoor Air Quality Assessment (2013)

ART conducted an Indoor Air Quality Assessment on behalf of Midwood Management for Lot 21 based on findings from the November 2013 Draft Focused Subsurface Investigation. ART installed four indoor air samples on the first floor of the facility and one exterior ambient air sample on the roof of the building, immediately adjacent to the fresh air intake for the building's HVAC system. Six liter sample volumes at each sampling location were collected over an 8-hour sample period. Samples were analyzed for VOCs by USEPA Method TO-15.

Analytical results revealed PCE and TCE were not detected at concentrations above the laboratory reporting limit (RL). Although chloromethane and methylene chloride were detected above the RL, these detections are attributed to laboratory contamination. Other compounds detected above the RL are attributed to personal care products, painting products, or cleaning products.

Based on the findings of the investigation, ART did not see any potential impact to the onsite building from the underlying PCE and TCE detected during the 2013 Focused Subsurface Investigation and concluded that no further action was needed.

Phase I Environmental Site Assessment – Roux Associates, Inc. (2017)

Although not completed for the Site, Roux Associates, Inc. (Roux) conducted a Phase I Environmental Site Assessment on behalf of Midwood Investment and Development dated 31 October 2017 for Lot 14 identified as 198 Douglas Street in Brooklyn, New York. While the results of this Phase I ESA do not pertain to the Site, the reports identified above completed by ART were included as discussed above.

Phase II Environmental Investigation Report – Langan

Langan conducted a Phase II Environmental Investigation on behalf of DoBoDe Holdings LLC and GowDev Holdings LLC for Lot 21 to assess potential subsurface impacts at the site.

Langan installed five soil borings (LSB-1, LSB-2, LSB-3, LSB-7, and LSB-8) up to between 8.5 and 19 feet bgs. LSB-1 and LSB-2, were advanced within asphalt-paved parking areas, LSB-3 was advanced within the concrete sidewalk along the eastern site boundary, and LSB-7 and LSB-8 were installed in the interior of the onsite building. Elevated PID readings were observed in LSB-1 (from 1 to 1.5 feet bgs), LSB-7 (from 0 to 0.5 feet bgs and 18 to 20 feet bgs), and LSB-8 (from 6 to 8 feet bgs). The maximum PID reading (92.5 ppm) was encountered in LSB-8. Odors were observed from 18 to 20 feet bgs in LSB-7 and from 0 to 20 feet bgs in LSB-8. Staining was also observed from 3 to 5 feet bgs in LSB-7. A total of 11 soil samples, including one duplicate, were collected for laboratory analysis. Soil samples were collected from 0 to 2 feet immediately below ground surface in all soil borings and the 1 to 2 foot depth interval above/straddling the observed groundwater interface in soil borings LSB-1 through LSB-3. Soil samples were collected from depth intervals where elevated PID readings and/or odors were observed in soil borings LSB-7 (18 to 20 feet), and LSB-8 (6 to 8 feet). All soil samples were analyzed for VOCs, SVOCs, PCBs, pesticides, and target analyte list (TAL) metals.

Soil borings LSB-1, LSB-3, and LSB-8 were completed as permanent flush-mounted groundwater monitoring wells (MW-3, MW-2, MW-1, respectively). Monitoring wells were completed to between 10 and 19 feet bgs. A groundwater sample was collected from each well. No evidence of sheen, odors, or free product were observed during purging or sampling activities in any of the wells. All groundwater samples were analyzed for VOC, SVOC, PCB, pesticides and TAL metals.

Soil analytical results were compared to NYSDEC Part 375 SCOs. Impacts were identified including petroleum related VOC impacts above the NYSDEC UUOs detected in the LSB-7 location at a depth of 18.5 to 19 feet bgs for benzene p- & m-xylenes and total xylenes. Odors and elevated PID readings were also observed within LSB-7 at this depth interval. SVOC and metals impacts above NYSDEC Industrial Use, Commercial Use, and Restricted Residential Use RUSCOs were identified in all soil samples collected as part of this investigation at depths

ranging from 0 to 19 feet bgs. PCBs were detected in exceedance of the NYSDEC Commercial RUSCOs at the LSB-2 location in the 0 to 2 foot bgs interval.

Groundwater analytical results were compared to New York State 6 NYCRR Part 703.5 Class GA groundwater standards or the NYSDEC AWQSGVs. Impacts were identified including compounds historically associated with the use of soil fumigants used in the agricultural and pest control industries such as the VOCs 1,2-dibromo-3-chloropropane and 1,2,3-trichloropropane in exceedance of the AWQSGVs. Several SVOCs were also detected in groundwater at concentrations exceeding the AWQSGVs. SVOC impacts may be associated with groundwater being in contact with historic urban fill, it is likely that these impacts are also the result of the historic use of the site and the surrounding sites.

Based on the results, historical site use including petroleum storage and manufacturing of plastic products, electrical products, paper products, and unspecified products, and potentially historical site operations at surrounding properties resulting in the presence of deep MGP coal tar impacts and chlorinated VOCs in soil vapor from an unknown source, impacted soil, groundwater, and soil vapor conditions exist at the site. Langan recommended a remedial investigation to further evaluate the extent of impacts and assess remediation options associated with the proposed site redevelopment.

Interim Remedial Measures Work Plan – Langan

Langan prepared an Interim Remedial Measures (IRM) Work Plan dated December 2020 on behalf of DoBoDe Holdings LLC and GowDev Holdings LLC to address coal tar-contaminated material located in the eastern portion of Lot 21 along the Gowanus Canal as identified in GEI's 2012 Final Remedial Investigation Report for the adjacent Fulton Municipal Works Former Manufactured Gas Plant Site and chlorinated VOC impacts in soil vapor identified during historical site investigations.

The IRM Work Plan describes the procedures for installing a new steel sheet pile cutoff wall to facilitate shore stabilization and upland remediation. The sheet pile cutoff wall will also serve as a composite cover system for residual contamination and a subsurface containment/cut-off wall for coal tar contaminant migration. Continuous screening of soil/fill disturbed and work zone and perimeter air monitoring for dust, vapor, and nuisance odors will occur during sheet pile installation and associated activities. Additionally, a vapor intrusion assessment including preparation of a building inventory and collection of soil vapor and indoor air samples will be conducted under the IRMWP. Based on findings of the vapor intrusion assessment, the design and installation of a sub-slab depressurization system may be needed.

Contingencies are provided in the report to address unforeseen contamination that may be discovered during the soil disturbance activities, including removal of grossly and/or petroleum-impacted soil hotspots and closure of any underground storage tanks (USTs) encountered during soil disturbance activities, in advance of implementation of a RAWP for the redevelopment of the Site. Post-excavation end-point soil samples will be collected following removal of any impacted soil or impacted subgrade structures such as, but not limited to, USTs. The IRM Work Plan is scheduled to be implemented in July 2021.

Item 2 – Sampling Data

Known contaminants at the site were identified within the following reports:

- GEI's 2012 Final Remedial Investigation Report;
- ART's 2013 Focused Subsurface Investigation;
- ART's 2013 Indoor Air Quality Assessment Report; and,
- Langan's 2019 Phase II Environmental Investigation.

Appendices, including laboratory analytical packages and sampling locations, were not provided within the 2013 Focused Subsurface Investigation. The 2019 Phase II Environmental Investigation by Langan was performed for the subject property. The environmental and laboratory analytical reports for the additionally referenced investigations are included in their respective reports which are provided in this attachment. Analytes detected above the applicable regulatory standards for the proposed mixed-use commercial and residential site use for each media tested during the investigations are summarized below.

Soil

Soil sample results were compared to the 6 NYCRR Part 375 UUOs and RUSCOs for Residential Use, Restricted-Residential Use, Commercial Use and Industrial Use. Analytes detected above the 6 NYCRR Part 375 Unrestricted Use SCOs and RUSCOs are summarized below:

- The VOCs benzene, ethyl benzene, toluene, and total xylenes were detected at concentrations above the RUSCOs for Industrial and/or Commercial Use.
- The VOCs acetone, methylene chloride, and p- & m- xylenes were detected at concentrations above the Unrestricted Use SCOs.
- The SVOCs acenaphthene, acenaphthylene, anthracene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenzo(a,h)anthracene, dibenzofuran, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene were detected at concentrations above the RUSCOs for Restricted-Residential Use, Commercial Use, and/or Industrial Use.

- The SVOCs 2-methylnaphthalene, bis(2-ethylhexyl)phthalate, diethyl phthalate, phenol were detected at concentrations above the Unrestricted Use SCO and/or the RUSCOs for Residential Use.
- The pesticide 4,4'-DDT was detected at concentrations above the Unrestricted Use SCO. No other pesticides were detected at concentrations above the Unrestricted Use SCOs or the RUSCOs for Residential Use, Restricted-Residential Use, Commercial Use or Industrial Use.
- The PCB aroclor 1254 and total PCBs were detected at concentrations above the RUSCOs for Commercial Use. No other PCBs were detected at concentrations above the Unrestricted Use SCOs or the RUSCOs for Residential Use, Restricted-Residential Use, Commercial Use or Industrial Use.
- The metals arsenic, barium, cadmium, cobalt, copper, lead, mercury, were detected at concentrations above the RUSCOs for Restricted-Residential Use, Commercial Use and/or Industrial Use.
- The metals total chromium, trivalent chromium, iron, nickel, and zinc were detected at concentrations above the Unrestricted Use SCOs and/or the RUSCOs for Residential Use.
- Deep coal tar impacts including product, staining, sheen, and/or odors were identified at elevations ranging from el -39 to el -103 during Geosyntec's 2015 geotechnical investigation, GEI's 2011 Final Remedial Investigation for the adjacent Fulton Municipal Works Former Manufactured Gas Plant Site, and Langan's 2019 geotechnical investigation including the presence of mobile DNAPL between el -39 and -42.

Groundwater

Groundwater sample results were compared to the NYSDEC AWQSGVs. Analytes detected above the AWQSGVs are summarized below:

- The VOCs 1,2-dibromo-3-chloropropane, 1,2,3-trichloropropane, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, acetone, benzene, chloroform, ethylbenzene, isopropyl benzene, p-isopropyltoluene, methyl tert-butyl ether, naphthalene, propylbenzene-n, toluene, and xylenes (mixed) were detected at concentrations above the AWQSGVs.
- The VOCs chloroform, tetrachloroethene (PCE), and trichloroethene (TCE) were detected above the AWQSGVs at two locations offsite and upgradient from the subject property during the GEI 2012 investigation.
- The SVOCs acenaphthene, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, indeno(1,2,3-cd)pyrene, were detected at concentrations above the AWQSGVs.
- The metals iron, iron and manganese, lead, magnesium, manganese, selenium, and sodium were detected at concentrations above the AWQSGVs.

- The metals iron, iron and manganese, magnesium, manganese, and sodium were detected above the AWQSGVs at two locations offsite and upgradient from the subject property during the GEI 2012 investigation.
- The dissolved metals arsenic, iron and manganese, magnesium, manganese, and sodium were detected at concentrations above the AWQSGVs.
- The dissolved metals iron and manganese, magnesium, manganese, and sodium were detected above the AWQSGVs at two locations offsite and upgradient from the subject property during the GEI 2012 investigation.

Soil Vapor

No standard currently exists for soil vapor samples in New York State. For reference, soil vapor sample results for chlorinated VOCs (CVOCs) were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and revised in May 2017. Soil vapor results revealed the presence of Matrix A through C CVOCs as well as petroleum-related VOCs as discussed below:

- Matrix A CVOCs – Trichloroethylene (TCE), cis-1,2-dichloroethylene, and Carbon tetrachloride in sub-slab soil vapor
- Matrix B CVOCs – Tetrachloroethylene (PCE), Methylene chloride, and 1,1,1-Trichloroethane (111-TCA) in sub-slab soil vapor
- No Matrix C CVOC compounds were detected above the reporting limit
- Petroleum Related VOCs – Benzene, Ethyl benzene, Toluene, and Xylenes in sub-slab soil vapor

Indoor Air and Ambient Air

No standard currently exists for indoor air and ambient air samples in New York State. For reference, indoor air and ambient air sample results for CVOCs were compared to the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion Matrices A through C dated October 2006 and revised in May 2017. Results revealed the presence of Matric B CVOCs as well as petroleum-related VOCs as discussed below:

- Matrix B CVOCs –Methylene chloride in indoor air and ambient air.
- No Matrix A or C CVOC compounds were detected above the reporting limit
- Petroleum Related VOCs –Ethyl benzene, Toluene, and Xylenes in indoor air. Toluene in ambient air.

Conclusions

Based on the results of the above discussed investigations and results, impacts at the site have been identified in soil and groundwater in exceedance of the NYSDEC RUSCOs and AWQSGVs in the shallow subsurface at the site that are attributable to releases that occurred prior to the current ownership of the site. Additionally, sub-slab soil vapor samples from the ART 2013 Focused Subsurface Investigation revealed elevated concentrations of CVOCs on the subject property, although these compounds were not detected at elevated concentrations in indoor air during the 2013 Indoor Air Quality Assessment.

Furthermore, based on the results of investigation activities completed at the site by the NYSDEC to assess impacts associated with the Fulton Street MGP site, coal tar impacts were identified in the deep subsurface. Specifically, coal tar saturated soils were encountered in soil boring FW-SB-45 installed in the northeastern portion of Parcel VIII from approximate el -40 to -42 and in FW-SB-46 on the southeastern portions of the site from approximate el -40 to -41. The applicant has prepared a conceptual bulkhead design to address USEPA and NYSDEC requirements with a bulkhead wall toe depth of of el -45. The bulkhead wall will also be considered the vertical composite cover system component of any future remedy for the site. Additionally, based on discussions with the Department the IRMWP also addresses potential soil vapor concerns identified in ART's 2013 investigations. Soil vapor samples will be collected to determine potential soil vapor concerns.

Remaining site impacts in soil and groundwater are likely the result of historical site use or are due to an offsite source and will be addressed upon the completion of a remedial investigation.

Item 3 – Site Drawings and Tables

The following figures are provided to summarize the detected concentrations of each contaminant by media type:

- Figure C-1 – Soil Analytical Results
- Figure C-2 – Groundwater Analytical Results
- Figure C-3 – Soil Vapor, Indoor Air, and Ambient Air Analytical Results
- Table C-1 – Soil Analytical Results
- Table C-2 – Groundwater Analytical Results
- Table C-3 – Soil Vapor, Indoor Air, and Ambient Air Analytical Results

Legend

- Soil Boring Location (GEI 2012)
- Soil Boring Location (Langan 2019)
- Site Boundary

Lot 21 - Interior (ART 2013)

Sample ID:	B5 3'-4'
Laboratory Sample Number:	—
Sample Date:	11/2/2013
Sample Depth/VOC Sample Depth (ft bgs):	3-5
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	
Benzo(a)anthracene	1.9
Benzo(a)pyrene	1.5
Benzo(b)fluoranthene	1.7
Chrysene	1.8
Benzo(k)fluoranthene	0.84
Dibenzo(a,h)anthracene	0.41
Indeno(1,2,3-cd)pyrene	—
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	Not Analyzed
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	Not Analyzed

Lot 21 - Interior (Langan 2019)

Sample ID:	001/LSB-8A		002/LSB-8B	
Laboratory Sample Number:	19F0307-01		19F0307-02	
Sample Date:	6/6/2019		6/6/2019	
Sample Depth/VOC Sample Depth (ft bgs):	0-2 / 0-0.5		6-8 / 6-6.5	
Units:	mg/kg	Q	mg/kg	Q
VOCs	No Exceedances		No Exceedances	
SVOCs				
Benzo(a)anthracene	0.371	D	**2.80**	D
Benzo(a)pyrene	0.376	D	**2.31**	D
Benzo(b)fluoranthene	0.351	D	**2.13**	D
Benzo(k)fluoranthene	0.305	D	**2.10**	D
Bis(2-ethylhexyl)phthalate	11.8	D	**68.1**	D
Chrysene	0.374	D	**2.63**	D
Dibenzo(a,h)anthracene	0.0779	JD	**0.506**	D
Indeno(1,2,3-cd)pyrene	0.276	D	**1.52**	D
Phenol	0.28	D	**0.58**	D
Petroleum Based Hydrocarbons	Not Analyzed		Not Analyzed	
Herbicides	Not Analyzed		Not Analyzed	
Pesticides				
4,4'-DDT	**0.198**	D	0.00179	U
PCBs				
Aroclor 1254	**2.67**	D	**9.56**	D
Total PCBs	**2.67**	D	**9.56**	D
Metals				
Chromium, Total**	20.3		**31**	
Chromium, Trivalent	20.3		**31**	
Copper	**212**		**472**	
Iron	**13,600**		**12,100**	
Lead	**158**		67.9	
Mercury	**0.473**		**0.206**	
Nickel	**59.6**		**129**	
Zinc	**189**		**115**	

Lot 21 - Exterior (Langan 2019)

Sample ID:	008/LSB-1A		009/LSB-1B	
Laboratory Sample Number:	19F0307-07		19F0307-08	
Sample Date:	6/6/2019		6/6/2019	
Sample Depth/VOC Sample Depth (ft bgs):	0-2 / 0-0.5		2-4 / 2-2.5	
Units:	mg/kg	Q	mg/kg	Q
VOCs	No Exceedances		No Exceedances	
SVOCs				
2-Methylnaphthalene	**1.16**	D	0.513	D
Benzo(a)anthracene	**9.51**	D	**12.9**	D
Benzo(a)pyrene	**9.02**	D	**12.6**	D
Benzo(b)fluoranthene	**8.18**	D	**10.1**	D
Benzo(k)fluoranthene	**8.79**	D	**9.74**	D
Chrysene	**9.1**	D	**11.8**	D
Dibenzo(a,h)anthracene	**1.88**	D	**2.68**	D
Indeno(1,2,3-cd)pyrene	**6.46**	D	**8.53**	D
Petroleum Based Hydrocarbons	Not Analyzed		Not Analyzed	
Herbicides	Not Analyzed		Not Analyzed	
Pesticides	No Exceedances		No Exceedances	
PCBs	No Exceedances		No Exceedances	
Metals				
Iron	**11,500**		**15,300**	
Lead	51.5		**163**	
Mercury	**0.196**		**0.884**	

Lot 21 - Exterior (GEI 2012)

Sample ID:	FW-SB-45 (40-41)		FW-SB-45 (119-120)	
Laboratory Sample Number:	220-14591-1		220-14591-2	
Sample Date:	1/17/2011		1/17/2011	
Sample Depth/VOC Sample Depth (ft bgs):	40-41		119-120	
Units:	mg/kg	Q	mg/kg	Q
VOCs				
Benzene	**200**		0.0059	U
Ethyl Benzene	**1,000**		0.0069	U
Toluene	**890**		0.0059	U
Xylenes, Total	**1,100**		0.0059	U
SVOCs				
2-Methylnaphthalene	**4,100**		0.038	J
Acenaphthene	**240**	J	0.32	U
Acenaphthylene	**2,200**		0.13	J
Anthracene	**1,100**		0.17	J
Benzo(a)anthracene	**572**	J	0.095	J
Benzo(a)pyrene	**470**	J	0.074	J
Benzo(b)fluoranthene	**330**	J	0.0955	J
Benzo(g,h,i)perylene	**110**	J	0.32	U
Benzo(k)fluoranthene	**155**	J	0.32	U
Chrysene	**460**	J	0.093	J
Dibenzofuran	**140**	J	0.32	U
Diethyl phthalate	**120**	JB	0.32	U
Fluoranthene	**1,200**		0.19	J
Fluorene	**1,300**		0.14	J
Indeno(1,2,3-cd)pyrene	**760**		0.32	U
Naphthalene	**7,900**		0.081	J
Phenanthrene	**3,500**		0.59	
Pyrene	**1,500**		0.31	J
Petroleum Based Hydrocarbons	Not Analyzed		Not Analyzed	
Herbicides	Not Analyzed		Not Analyzed	
Pesticides	Not Analyzed		Not Analyzed	
PCBs	Not Analyzed		Not Analyzed	
Metals				
Chromium, Total*	**7.8**		**4.2**	
Iron	**7,400**		**8,890**	

Lot 21 - Exterior (Langan 2019)

Sample ID:	010/LSB-2A		011/LSB-2B	
Laboratory Sample Number:	19F0307-09		19F0307-10	
Sample Date:	6/6/2019		6/6/2019	
Sample Depth/VOC Sample Depth (ft bgs):	0-2 / 0-0.5		3-5 / 3-3.5	
Units:	mg/kg	Q	mg/kg	Q
VOCs	No Exceedances		No Exceedances	
SVOCs				
2-Methylnaphthalene	0.0456	U	**0.551**	D
Benzo(a)anthracene	**2.81**	D	**7.07**	D
Benzo(a)pyrene	**2.81**	D	**6.66**	D
Benzo(b)fluoranthene	**2.89**	D	**5.48**	D
Benzo(k)fluoranthene	**2.45**	D	**5.64**	D
Chrysene	**3.01**	D	**6.86**	D
Dibenzo(a,h)anthracene	**0.665**	D	**1.29**	D
Indeno(1,2,3-cd)pyrene	**2.13**	D	**4.17**	D
Petroleum Based Hydrocarbons	Not Analyzed		Not Analyzed	
Herbicides	Not Analyzed		Not Analyzed	
Pesticides				
4,4'-DDT	**0.0354**	D	0.00207	U
PCBs				
Aroclor 1254	**0.287**		0.0209	U
Total PCBs	**0.287**		0.0209	U
Metals				
Copper	**63.1**		**54.5**	
Iron	**17,800**		**14,000**	
Lead	**133**		**178**	
Mercury	**0.486**		**1.13**	
Zinc	**162**		**161**	

Lot 21 - Interior (ART 2013)

Sample ID:	B4 3'-5'	B4 12.5'-13.5'	B4 21'
Laboratory Sample Number:	—	—	—
Sample Date:	11/2/2013	11/2/2013	11/2/2013
Sample Depth/VOC Sample Depth (ft bgs):	3-5	12.5-13.5	21
Units:	mg/kg Q	mg/kg Q	mg/kg Q
VOCs	No Exceedances	No Exceedances	No Exceedances
SVOCs			
Benzo(a)anthracene	**1.7**	0.0925 J	Not Analyzed
Benzo(a)pyrene	**1.2**	ND	Not Analyzed
Benzo(b)fluoranthene	**1.2**	ND	Not Analyzed
Chrysene	**1.5**	ND	Not Analyzed
Indeno(1,2,3-cd)pyrene	**0.8**	ND	Not Analyzed
Petroleum Based Hydrocarbons	Not Analyzed	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed	Not Analyzed
Pesticides	Not Analyzed	Not Analyzed	Not Analyzed
PCBs			
Total PCBs	**1.1**	Not Analyzed	Not Analyzed
Metals	Not Analyzed	Not Analyzed	Not Analyzed

Lot 21 - Exterior (ART 2013)

Sample ID:	B2 2'-6'
Laboratory Sample Number:	—
Sample Date:	11/2/2013
Sample Depth/VOC Sample Depth (ft bgs):	2-6
Units:	mg/kg Q
VOCs	
Acetone	**0.782**
SVOCs	No Exceedances
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	Not Analyzed
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	Not Analyzed

Degraw Street Right-of-Way (GEI 2012)

Sample ID:	FW-MW-21I (33-38)
Laboratory Sample Number:	220-14680-1
Sample Date:	2/1/2011
Sample Depth/VOC Sample Depth (ft bgs):	33-38
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	Not Analyzed
Pesticides	Not Analyzed
PCBs	Not Analyzed
Metals	
Chromium, Total*	**5.4**
Iron	**4,710**

Degraw Street Right-of-Way (GEI 2012)

Sample ID:	FW-MW-21S (19-24)
Laboratory Sample Number:	220-14680-2
Sample Date:	2/1/2011
Sample Depth/VOC Sample Depth (ft bgs):	19-24
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	No Exceedances
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Chromium, Total*	**16**
Iron	**10,600**
Nickel	**36.5**

Lot 21 - Interior (Langan 2019)

Sample ID:	004/LSB-7A	005/LSB-7B	012/060819_DUP1 (LSB-7B)
Laboratory Sample Number:	19F0307-03	19F0307-04	19F0307-11
Sample Date:	6/6/2019	6/6/2019	6/6/2019
Sample Depth/VOC Sample Depth (ft bgs):	0-2 / 0-0.5	18-20 / 18.5-19	18-20 / 18.5-19
Units:	mg/kg Q	mg/kg Q	mg/kg Q
VOCs			
Acetone	**0.12**	**0.11**	**0.076**
Benzene	0.0041 U	**0.093**	**0.13**
p- & m- Xylenes	0.0081 U	**0.47**	0.013 U
Xylenes, Total	0.012 U	**0.7**	0.02 U
SVOCs			
Benzo(a)anthracene	**6.51** D	0.185 U	0.119 U
Benzo(a)pyrene	**6.69** D	0.185 U	0.119 U
Benzo(b)fluoranthene	**5.39** D	0.185 U	0.119 U
Benzo(k)fluoranthene	**5.64** D	0.185 U	0.119 U
Chrysene	**6.29** D	0.185 U	0.119 U
Dibenzo(a,h)anthracene	**1.55** D	0.185 U	0.119 U
Indeno(1,2,3-cd)pyrene	**4.5** D	0.185 U	0.119 U
Petroleum Based Hydrocarbons	Not Analyzed	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed	Not Analyzed
Pesticides	No Exceedances	No Exceedances	No Exceedances
PCBs	No Exceedances	No Exceedances	No Exceedances
Metals			
Barium	**634**	33.1	27.3
Cadmium	**14.2**	0.904 U	0.855 U
Chromium, Total**	25.1	**35.3**	13.9
Chromium, Trivalent	25.1	**35.3**	13.9
Copper	**142**	13.1	7.98
Iron	**31,500**	**25,000**	**13,800**
Lead	**1,090**	15.9	19.3
Mercury	**4.95**	0.0904 U	0.0855 U
Zinc	**943**	45	26.9

Degraw Street Right-of-Way (GEI 2012)

Sample ID:	FW-MW-22I (23-26)
Laboratory Sample Number:	220-14606-3
Sample Date:	1/20/2011
Sample Depth/VOC Sample Depth (ft bgs):	23-26
Units:	mg/kg Q
VOCs	
Benzene	**0.2**
Methylene Chloride	**0.071** JB
SVOCs	No Exceedances
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Chromium, Total*	**17**
Iron	**16,400**

Degraw Street Right-of-Way (GEI 2012)

Sample ID:	FW-MW-22I(I) (0-15)
Laboratory Sample Number:	220-14606-4
Sample Date:	1/20/2011
Sample Depth/VOC Sample Depth (ft bgs):	0-15
Units:	mg/kg Q
VOCs	No Exceedances
SVOCs	
2-Methylnaphthalene	**0.45** J
Benzo(a)anthracene	**6.7**
Benzo(a)pyrene	**5.3**
Benzo(b)fluoranthene	**5.3**
Benzo(k)fluoranthene	**2.6**
Chrysene	**6.3**
Dibenzo(a,h)anthracene	**1.3**
Indeno(1,2,3-cd)pyrene	**3.3**
Petroleum Based Hydrocarbons	Not Analyzed
Herbicides	No Exceedances
Pesticides	No Exceedances
PCBs	No Exceedances
Metals	
Chromium, Total*	**19.2**
Iron	**9,350**
Lead	**94.6**

Degraw Street Right-of-Way (GEI 2012)

Sample ID:	093020-FW-SB-46 (40-41)		FW-SB-46 (108-110)	
Laboratory Sample Number:	220-13966-1		220-14606-1	
Sample Date:	11/5/2010		1/19/2011	
Sample Depth/VOC Sample Depth (ft bgs):	40-41		108-110	
Units:	mg/kg	Q	mg/kg	Q
VOCs				
Benzene	**340**		0.0059	U
Ethyl Benzene	**920**		0.0059	U
Toluene	**48**		0.0059	U
Xylenes, Total	**880**		0.0059	U
SVOCs				
2-Methylnaphthalene	**350**		0.32	U
Acenaphthene	**200**		0.32	U
Anthracene	**120**		0.32	U
Benzo(a)anthracene	**63**		0.32	U
Benzo(a)pyrene	**45**		0.32	U
Benzo(b)fluoranthene	**33**		0.32	U
Benzo(k)fluoranthene	**13**		0.32	U
Chrysene	**67**		0.32	U
Dibenzo(a,h)anthracene	**4.5**		0.32	U
Dibenzofuran	**11**	J	0.32	U
Fluorene	**150**		0.32	U
Indeno(1,2,3-cd)pyrene	**15**		0.32	U
Naphthalene	**680**		0.32	U
Phenanthrene	**370**		0.32	U
Pyrene	**180**		0.32	U
Petroleum Based Hydrocarbons	Not Analyzed		Not Analyzed	
Herbicides	Not Analyzed		Not Analyzed	
Pesticides	Not Analyzed		Not Analyzed	
PCBs	Not Analyzed		Not Analyzed	
Metals				
Chromium, Total*	**6.4**		**13.7**	
Iron	**7,650**		**18,400**	

Lot 21 - Exterior (Langan 2019)

Sample ID:	006/LSB-3A	007/LSB-3B
Laboratory Sample Number:	19F0307-05	19F0307-06
Sample Date:	6/6/2019	6/6/2019
Sample Depth/VOC Sample Depth (ft bgs):	0-2 / 0-0.5	2-4 / 2-2.5
Units:	mg/kg Q	mg/kg Q
VOCs		
Acetone	**0.05**	0.0055 U
SVOCs		
Benzo(a)anthracene	**2.5** D	**2.53** D
Benzo(a)pyrene	**2.47** D	**2.36** D
Benzo(b)fluoranthene	**2.29** D	**2.13** D
Benzo(k)fluoranthene	**2.03** D	**1.9** D
Chrysene	**2.5** D	**2.4** D
Dibenzo(a,h)anthracene	**0.554** D	**0.509** D
Indeno(1,2,3-cd)pyrene	**1.81** D	**1.63** D
Petroleum Based Hydrocarbons	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed
Pesticides		
4,4'-DDT	**0.00666** D	0.00191 U
PCBs	No Exceedances	No Exceedances
Metals		
Arsenic	**26.6**	**33.1**
Copper	**109**	**128**
Iron	**45,300**	**40,800**
Lead	**416**	**374**
Mercury	**0.742**	**0.686**
Zinc	**321**	**677**

NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives

NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives	Unrestricted Use	Protection of Public Health - Restricted Use SCOs: Residential	Restricted-Residential	Commercial	Industrial
	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
VOCs					
Acetone	0.05	100	100	500	1,000
Benzene	0.06	2.9	4.8	44	89
Ethyl Benzene	1	30	41	390	780
Methylene Chloride	0.05	51	100	500	1,000
Toluene	0.7	100	100	500	1,000
p- & m- Xylenes	0.26	100	100	500	1,000
Xylenes, Total	0.26	100	100	500	1,000
SVOCs					
2-Methylnaphthalene	—	0.41	—	—	—
Acenaphthene	20	100	100	500	1,000
Acenaphthylene	100	100	100	500	1,000
Anthracene	100	100	100	500	1,000
Benzo(a)anthracene	1	1	1	5.6	11
Benzo(a)pyrene	1	1	1	1	1.1
Benzo(b)fluoranthene	1	1	1	5.6	11
Benzo(g,h,i)perylene	100	100	100	500	1,000
Benzo(k)fluoranthene	0.8	1	3.9	56	110
Bis(2-ethylhexyl)phthalate	—	50	—	—	—
Chrysene	1	1	3.9	56	110
Dibenzo(a,h)anthracene	0.33	0.33	0.33	0.56	1.1
Dibenzofuran	7	14	59	350	1,000
Diethyl phthalate	—	100	—	—	—
Fluoranthene	100	100	100	500	1,000
Fluorene	30	100	100	500	1,000
Indeno(1,2,3-cd)pyrene	0.5	0.5	0.5	5.6	11
Naphthalene	12	100	100	500	1,000
Phenanthrene	100	100	100	500	1,000
Phenol	0.33	100	100	500	1,000
Pyrene	100	100	100	500	1,000
Pesticides					
4,4'-DDT	0.0033	1.7	7.9	47	94
PCBs					
Aroclor 1254	0.1	1	1	1	25
Total PCBs	0.1	1	1	1	25
Metals					
Arsenic	13	16	16	16	16
Barium	350	350	400	400	10,000
Cadmium	2.5	2.5	4.3	9.3	60
Chromium, Total*	1	22	110	400	800
Chromium, Total**	30	36	180	1,500	6,800
Chromium, Trivalent	30	36	180	1,500	6,800
Copper	50	270	270	270	10,000
Iron	—	2,000	—	—	—
Lead	63	400	400	1,000	3,900
Mercury	0.18	0.81	0.81	2.8	5.7
Nickel	30	140	310	310	10,000
Zinc	109	2,200	10,000	10,000	10,000

Notes:

Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.

NYSDEC does not provide SCOs for Petroleum Based Hydrocarbons

Data usability results provided within GEI's 2017 Remedial Investigation Report are not included.

ft bgs - feet below ground surface

*: Total Chromium is compared to the Hexavalent Chromium SCOs as Hexavalent Chromium was not analyzed

**: Total Chromium is compared to the Trivalent Chromium SCOs as Hexavalent Chromium was analyzed

Not Analyzed - compound not analyzed

No Exceedances - compound does not exceed NYSDEC SCOs

ND: Result is below the reporting limit

Exceedances of regulatory criteria are highlighted and **bold**.

Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

Q is the Qualifier Column with definitions as follows:

D: Result is from an analysis that required a dilution

J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated

U: Analyte not detected at or above the level indicated

B: Analyte found in the analysis batch blank

References:

1. Aerial basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online. Source of aerial is NY State Orthoimagery Program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Langan 2019 sample locations are based on field measurements. GEI 2012 sample locations are approximate.
4. A boring location plan was not provided with ART's 2013 Focused Subsurface Investigation for Lot 21. The location of borings associated with this investigation are not known.

LANGAN

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project

210 DOUGLASS STREET

BLOCK No. 417, LOT No. 21

BROOKLYN NEW YORK

Drawing Title

SOIL ANALYTICAL RESULTS MAP

Project No.	Figure
100805201	C-1
Date: 8/21/2020	
Scale: 1 " = 70 '	
Drawn By: IHB	

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Path: \\langan.com\data\PAR\data2\100805201\Project Data\ArcGIS\MXD\Environmental_Figures\2019-08 - BCP Application\Attachment C\Figure C-1\2020-08-18 - Markups\Figure C-1 Landscape_Lot21.mxd Date: 8/21/2020 User: aruane Time: 8:13:14 AM

Legend

- Monitoring Well Location (GEI 2012)
- Monitoring Well Location (Langan 2019)
- Site Boundary

Units:	Ground Water Quality Standards[1] ug/L
VOCS	
1,2-Dibromo-3-chloropropane	0.04
1,2,3-Trichloropropane	0.04
1,2,4-Trimethylbenzene	5
1,3,5-Trimethylbenzene	5
Acetone	50
Benzene	1
Chloroform	7
Ethylbenzene	5
Isopropyl Benzene	5
p-Isopropyltoluene	5
Methyl tert-butyl ether	10
Naphthalene	10
Propylbenzene-n	5
Tetrachloroethene	5
Toluene	5
Trichloroethene	5
Xylene (mixed)	5
SVOCs	
Acenaphthene	20
Benzo(a)anthracene	0.002
Benzo(a)pyrene	ND
Benzo(b)fluoranthene	0.002
Benzo(k)fluoranthene	0.002
bis(2-Ethylhexyl)phthalate	5
Chrysene	0.002
Indeno(1,2,3-cd)pyrene	0.002
Metals	
Iron	300
Iron and Manganese	500
Lead	25
Magnesium	35,000
Manganese	300
Selenium	10
Sodium	20,000
Dissolved Metals	
Arsenic	25
Iron	300
Iron and Manganese	500
Magnesium	35000
Manganese	300
Sodium	20000

NOTES:
1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC.
http://www.dec.ny.gov/regulations/2652.html
Data usability results provided within GEI's 2017 Remedial Investigation Report are not included.
ug/L: micrograms per liter
Not Analyzed - compound not analyzed
No Exceedances - compound does not exceed NYSDEC GWQS
ND: Result is below the reporting limit
Exceedances of regulatory criteria are highlighted and **bold**.
Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.

Q is the Qualifier Column with definitions as follows:
D: Result is from an analysis that required a dilution
J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimate
U: Analyte not detected at or above the level indicated
E: Result is estimated and cannot be accurately reported due to levels encountered or interferences

References:
1. Aerial basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online. Source of aerial is NY State Orthoimagery Program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Langan 2019 sample locations are based on field measurements. GEI 2012 sample locations are approximate.
4. A monitoring well location plan was not provided within ART's 2013 Focused Subsurface Site Investigation for Lot 21. The locations associated with this investigation are not known.
5. A sample was not collected from MW-22I during the 2011 investigation by GEI due to the presence of tar during purging activities.

50 0 50
SCALE IN FEET

DOUGLASS STREET
BOND STREET
DEGRAW STREET
GOWANUS CANAL

FW-MW-21I
FW-MW-21S
MW-1
MW-2
MW-3
FW-MW-22I
FW-MW-22S

Degraw Street Right-of-Way (GEI 2012)	
Sample ID:	FW-MW-21I
Laboratory Sample Number:	220-15505-2
Sampling Date:	5/16/2011
Units:	ug/L Q
VOCs	
Chloroform	**44**
Tetrachloroethene	**7.1**
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBS	Not Analyzed
Herbicides	No Exceedances
Metals	
Iron	**322**
Iron and Manganese	**2,612**
Magnesium	**35,100**
Manganese	**2,290**
Sodium	**123,000**
Dissolved Metals	
Iron and Manganese	**908.1 J**
Magnesium	**40,800**
Manganese	**876**
Sodium	**264,000**

Degraw Street Right-of-Way (GEI 2012)	
Sample ID:	FW-MW-21S
Laboratory Sample Number:	220-15505-1
Sampling Date:	5/16/2011
Units:	ug/L Q
VOCs	
Tetrachloroethene	**26**
Trichloroethene	**14**
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBS	Not Analyzed
Herbicides	No Exceedances
Metals	
Iron and Manganese	**892.5 J**
Magnesium	**40,000**
Manganese	**818**
Sodium	**213,000**
Dissolved Metals	
Iron and Manganese	**2,314 J**
Manganese	**2,200**
Sodium	**115,000**

Lot 21 - Interior (Langan 2019)	
Sample ID:	003/MW-1
Laboratory Sample Number:	19F0308-01
Sampling Date:	6/8/2019
Units:	ug/L Q
VOCs	
1,2,3-Trichloropropane	**4.31**
SVOCs	
Benzo(a)anthracene	**0.0875**
Benzo(a)pyrene	**0.075**
Benzo(b)fluoranthene	**0.075**
Chrysene	**0.075**
Pesticides	No Exceedances
PCBS	No Exceedances
Herbicides	Not Analyzed
Metals	
Iron	**32,700**
Iron and Manganese	**34,340**
Lead	**267**
Magnesium	**85,800**
Manganese	**1,640**
Selenium	**10.4**
Sodium	**197,000**
Dissolved Metals	Not Analyzed

Lot 21 - Exterior (Langan 2019)		
Sample ID:	026/MW-2	
Laboratory Sample Number:	19F0521-01	
Sampling Date:	6/13/2019	
Units:	ug/L Q	
VOCs	No Exceedances	
SVOCs		
Benzo(a)anthracene	**1.2**	
Benzo(a)pyrene	**1.58**	
Benzo(b)fluoranthene	**1.4**	
Benzo(k)fluoranthene	**1.06**	
Chrysene	**1.11**	
Indeno(1,2,3-cd)pyrene	**0.938**	
Pesticides	No Exceedances	
PCBS	No Exceedances	
Herbicides	Not Analyzed	
Metals		
Iron	**857**	
Iron and Manganese	**886.1**	
Magnesium	**689,000**	
Sodium	**6,000,000 D**	
Dissolved Metals	Not Analyzed	

Degraw Street Right-of-Way (GEI 2012)	
Sample ID:	FW-MW-22S
Laboratory Sample Number:	220-15505-3
Sampling Date:	5/16/2011
Units:	ug/L Q
VOCs	No Exceedances
SVOCs	No Exceedances
Pesticides	No Exceedances
PCBS	Not Analyzed
Herbicides	No Exceedances
Metals	
Iron	**25,800**
Iron and Manganese	**29,290**
Manganese	**3,480**
Sodium	**268,000**
Dissolved Metals	
Arsenic	**29.5**
Iron	**25,800**
Iron and Manganese	**29,290**
Manganese	**3,490**
Sodium	**274,000**

Lot 21 - Exterior (Langan 2019)		
Sample ID:	022/MW-3	023/061219_DUP2 (MW-3)
Laboratory Sample Number:	19F0463-01	19F0463-02
Sampling Date:	6/12/2019	6/12/2019
Units:	ug/L Q	ug/L Q
VOCs		
1,2-Dibromo-3-chloropropane	**0.32 J**	*0.2 U*
SVOCs		
Benzo(a)anthracene	**1.45**	**0.53**
Benzo(a)pyrene	**1.45**	**0.595**
Benzo(b)fluoranthene	**0.714**	**0.335**
Benzo(k)fluoranthene	**0.681**	**0.303**
bis(2-Ethylhexyl)phthalate	**5.09 E**	0.541 U
Chrysene	**1.23**	**0.465**
Indeno(1,2,3-cd)pyrene	**0.573**	**0.259**
Pesticides	No Exceedances	No Exceedances
PCBS	No Exceedances	No Exceedances
Herbicides	Not Analyzed	Not Analyzed
Metals		
Iron	**9,360**	**4,270**
Iron and Manganese	**10,196**	**5,045**
Lead	**66**	20.3
Magnesium	**63,100**	**60,500**
Manganese	**836**	**775**
Sodium	**487,000**	**475,000**
Dissolved Metals	Not Analyzed	Not Analyzed

Lot 21 - Exterior (ART 2013)		
Sample ID:	B1GW 5'-9'	B1GW 25'-29'
Laboratory Sample Number:	—	—
Sampling Date:	11/2/2013	11/2/2013
Units:	ug/L Q	ug/L Q
VOCs		
1,2,4-Trimethylbenzene	ND	**58.5**
Acetone	ND	**69.7**
Benzene	ND	**440**
Ethylbenzene	ND	**40.2**
Isopropyl Benzene	ND	**29.3**
p-Isopropyltoluene	ND	**5.1**
Methyl tert-butyl ether	ND	**11.1**
Naphthalene	ND	**130**
Propylbenzene-n	ND	**8.3**
Xylene (mixed)	ND	**31.7**
SVOCs		
Acenaphthene	ND	**91.1**
Pesticides	Not Analyzed	Not Analyzed
PCBS	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed
Metals	Not Analyzed	Not Analyzed
Dissolved Metals	Not Analyzed	Not Analyzed

Lot 21 - Exterior (ART 2013)		
Sample ID:	B3GW 7'-12'	B3GW 25'-27'
Laboratory Sample Number:	21	—
Sampling Date:	11/2/2013	11/2/2013
Units:	ug/L Q	ug/L Q
VOCs		
Acetone	ND	**140**
Benzene	ND	**1 J**
Naphthalene	ND	**290**
SVOCs	No Exceedances	No Exceedances
Pesticides	Not Analyzed	Not Analyzed
PCBS	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed
Metals	Not Analyzed	Not Analyzed
Dissolved Metals	Not Analyzed	Not Analyzed

Lot 21 - Exterior (ART 2013)		
Sample ID:	B2GW 7'-12'	B2GW 20'-25'
Laboratory Sample Number:	—	—
Sampling Date:	11/2/2013	11/2/2013
Units:	ug/L Q	ug/L Q
VOCs		
1,2,4-Trimethylbenzene	ND	**31.9**
1,3,5-Trimethylbenzene	ND	**9**
Benzene	ND	**180**
Ethylbenzene	ND	**210**
Naphthalene	ND	**3000**
Toluene	ND	**280**
Xylene (mixed)	ND	**191**
SVOCs		
Acenaphthene	ND	**40**
Pesticides	Not Analyzed	Not Analyzed
PCBS	Not Provided	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed
Metals	Not Analyzed	Not Analyzed
Dissolved Metals	Not Analyzed	Not Analyzed

Lot 21 - Exterior (ART 2013)		
Sample ID:	B4GW 7'-12'	B4GW 19'-23'
Laboratory Sample Number:	—	—
Sampling Date:	11/2/2013	11/2/2013
Units:	ug/L Q	ug/L Q
VOCs		
Benzene	**4.4 J**	**150**
SVOCs	No Exceedances	No Exceedances
Pesticides	Not Analyzed	Not Analyzed
PCBS	Not Analyzed	Not Analyzed
Herbicides	Not Analyzed	Not Analyzed
Metals	Not Analyzed	Not Analyzed
Dissolved Metals	Not Analyzed	Not Analyzed

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Langan International LLC
Collectively known as Langan

NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
210 DOUGLASS STREET
BLOCK No. 417, LOT No. 21
BROOKLYN NEW YORK

Drawing Title
GROUNDWATER ANALYTICAL RESULTS

Project No. 100805201
Date 8/21/2020
Scale 1 " = 50 '
Drawn By IHB
Figure C-2

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Path: \\langan.com\data\PAR\data2\100805201\Project Data\ArcGIS\MXD\Environmental_Figures\2019-08 - BCP Application\Attachment C\Figure C-2\2020-08-18 Markups\Figure C-2 - Groundwater Analytical Results_11x17_Lot21_105.mxd Date: 8/21/2020 User: aruane Time: 8:52:55 AM

Legend

- Site Boundary
- Ambient Air (ART 2013)
- Sub-Slab Soil Vapor (ART 2013)
- Indoor Air (ART 2013)

DOUGLASS STREET

BOND STREET

DEGRAW STREET

GOWANUS CANAL

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Lot 21 - Exterior (ART 2013)		
Sample ID	#5	
Lab Sample ID	K7578.D	
Sample Date	11/20/2013	
Location	Ambient Air	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	ND	
Carbon tetrachloride	ND	
Tetrachloroethylene (PCE)	ND	
1,1,1-Trichloroethane	ND	
Methylene chloride	2.4	
Vinyl Chloride	ND	
Benzene	ND	
Toluene	4.3	
Ethyl Benzene	ND	
Total Xylenes	ND	

Lot 21 - Interior (ART 2013)		
Sample ID	#3	
Lab Sample ID	K7581.D	
Sample Date	11/20/2013	
Location	Indoor Air	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	ND	
Carbon tetrachloride	ND	
Tetrachloroethylene (PCE)	ND	
1,1,1-Trichloroethane	ND	
Methylene chloride	2.1	
Vinyl Chloride	ND	
Benzene	ND	
Toluene	200	D
Ethyl Benzene	14	
Total Xylenes	69	

Lot 21 - Exterior (ART 2013)		
Sample ID	SG1 Outside	
Sample Date	11/2/2013	
Location	Sub-Slab	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	1.61	J
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	NP	
Carbon tetrachloride	0.25	J
Tetrachloroethylene (PCE)	1.7	J
1,1,1-Trichloroethane	0.16	J
Methylene chloride	2.85	
Vinyl Chloride	NP	
Benzene	6.39	
Toluene	33.9	
Ethyl Benzene	15.6	
Total Xylenes	116.9	

Lot 21 - Interior (ART 2013)		
Sample ID	SG3 Interior	
Sample Date	11/2/2013	
Location	Sub-Slab	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	9,136	
cis-1,2-Dichloroethylene	7.93	J
1,1-Dichloroethylene	NP	
Carbon tetrachloride	34	
Tetrachloroethylene (PCE)	91.6	
1,1,1-Trichloroethane	20.2	J
Methylene chloride	33.00	
Vinyl Chloride	NP	
Benzene	32.6	
Toluene	39.6	
Ethyl Benzene	40.0	
Total Xylenes	273.6	

Lot 21 - Interior (ART 2013)		
Sample ID	SG2 Interior	
Sample Date	11/2/2013	
Location	Sub-Slab	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	NP	
Carbon tetrachloride	0.31	J
Tetrachloroethylene (PCE)	0.41	J
1,1,1-Trichloroethane	66.8	
Methylene chloride	1.74	
Vinyl Chloride	NP	
Benzene	11.5	
Toluene	24.9	
Ethyl Benzene	21.3	
Total Xylenes	132.4	

Lot 21 - Interior (ART 2013)		
Sample ID	#2	
Lab Sample ID	K7543.D	
Sample Date	11/20/2013	
Location	Indoor Air	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	ND	
Carbon tetrachloride	ND	
Tetrachloroethylene (PCE)	ND	
1,1,1-Trichloroethane	ND	
Methylene chloride	2.2	
Vinyl Chloride	ND	
Benzene	ND	
Toluene	170	D
Ethyl Benzene	8.8	
Total Xylenes	45	

Lot 21 - Interior (ART 2013)		
Sample ID	#1	
Lab Sample ID	K7567.D	
Sample Date	11/20/2013	
Location	Indoor Air	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	ND	
Carbon tetrachloride	ND	
Tetrachloroethylene (PCE)	ND	
1,1,1-Trichloroethane	ND	
Methylene chloride	2.2	
Vinyl Chloride	ND	
Benzene	ND	
Toluene	470	D
Ethyl Benzene	32	
Total Xylenes	166	

Lot 21 - Interior (ART 2013)		
Sample ID	#4	
Lab Sample ID	K7551.D	
Sample Date	11/20/2013	
Location	Indoor Air	
Units	ug/m3	Q
VOCs		
Trichloroethylene (TCE)	ND	
cis-1,2-Dichloroethylene	ND	
1,1-Dichloroethylene	ND	
Carbon tetrachloride	ND	
Tetrachloroethylene (PCE)	ND	
1,1,1-Trichloroethane	ND	
Methylene chloride	2.3	
Vinyl Chloride	ND	
Benzene	ND	
Toluene	74	
Ethyl Benzene	3.3	
Total Xylenes	15.7	

Notes:
Analytical results for NYSDOH Matrix Compounds as well as Benzene, Toluene, Ethylbenzene, and Xylenes are shown
ug/m3 - microgram per meter cubed
NP: Data not provided, but potentially analyzed
ND: Result is below the reporting limit (RL)

Q is the Qualifier Column with definitions as follows:
J: Analyte detected at or above the MDL (method detection limit) but below the RL - data is estimated
D: result reported from diluted analysis

References:
1. Aerial basemap is provided through Langan's Esri ArcGIS software licensing and ArcGIS online. Source of aerial is NY State Orthoimagery Program, collected April 15, 2018.
2. Parcel information from MapPLUTO 18v2 copyrighted by the New York City Department of Planning.
3. Sample locations obtained from ART's 2013 IAQ Assessment Report.
4. Ambient Air location #5 collected from the roof of the Lot 21 building

60 0 60
SCALE IN FEET

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NJ CERTIFICATE OF AUTHORIZATION No. 24GA27996400

Project
210 DOUGLASS STREET
BLOCK No. 417, LOT Nos. 21
BROOKLYN NEW YORK

Drawing Title
SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR ANALYTICAL RESULTS

Project No. 100805201
Date 1/29/2021
Scale 1 " = 60 '
Drawn By ATR
Figure **C-3**

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Path: \\langan.com\data\PAR\data2\100805201\Project Data\ArcGIS\MXD\Environmental_Figures\2021-01\Soil Vapor, Indoor Air, and Ambient Air Analytical Results.mxd Date: 1/29/2021 User: aruane Time: 3:15:51 PM

TABLE C-1
SUMMARY OF SOIL ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives			ART 2013 Focused Subsurface Investigation					Langan 2019 Phase II										
Sample ID:		Protection of Public Health - Restricted Use SCOs			B2 2'-6'	B4 3'-5'	B4 12.5'-13.5'	B4 21'	B5 3'-4'	008/LSB-1A	009/LSB-1B	010/LSB-2A	011/LSB-2B	006/LSB-3A	007/LSB-3B	004/LSB-7A	005/LSB-7B	012/060819_DUP1 (LSB-7B)	001/LSB-8A	002/LSB-8B
Laboratory Sample Number:		Restricted-Residential	Commercial	Industrial	—	—	—	—	—	19F0307-07	19F0307-08	19F0307-09	19F0307-10	19F0307-05	19F0307-06	19F0307-03	19F0307-04	19F0307-11	19F0307-01	19F0307-02
Sample Date:					11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019
Sample Depth/VOC Sample Depth (ft bgs):					2-6	3-5	12.5-13.5	21	3-4	0-2 / 0-0.5	2-4 / 2-2.5	0-2 / 0-0.5	3-5 / 3-3.5	0-2 / 0-0.5	2-4 / 2-2.5	0-2 / 0-0.5	18-20 / 18.5-19	18-20 / 18.5-19	0-2 / 0-0.5	6-8 / 6-6.5
Units:		mg/kg	mg/kg	mg/kg	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q
Volatile Organics, NJDEP/TCL/Part 375 List																				
1,1,1,2-Tetrachloroethane	630-20-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1,1-Trichloroethane	71-55-6	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1,2,2-Tetrachloroethane	79-34-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1,2-Trichloroethane	79-00-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1-Dichloroethane	75-34-3	26	240	480	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1-Dichloroethylene	75-35-4	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,1-Dichloropropylene	563-58-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2,3-Trichlorobenzene	87-61-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2,3-Trichloropropane	96-18-4	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2,4-Trimethylbenzene	95-63-6	52	190	380	ND	0.0013 J	0.0012 J	ND	ND	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.049	0.0065 U	0.0025 U	0.0025 U
1,2-Dibromo-3-chloropropane	96-12-8	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2-Dibromoethane	106-93-4	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2-Dichlorobenzene	95-50-1	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2-Dichloroethane	107-06-2	3.1	30	60	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,2-Dichloropropane	78-87-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,3,5-Trimethylbenzene	108-67-8	52	190	380	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.032	0.0065 U	0.0025 U	0.0025 U
1,3-Dichlorobenzene	541-73-1	49	280	560	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,3-Dichloropropane	142-28-9	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,4-Dichlorobenzene	106-46-7	13	130	250	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
1,4-Dioxane	123-91-1	13	130	250	NP	NP	NP	NP	NP	0.059 U	0.049 U	0.056 U	0.071 U	0.074 U	0.055 U	0.081 U	0.22 U	0.13 U	0.051 U	0.05 U
2,2-Dichloropropane	594-20-7	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
2-Butanone	78-93-3	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0032 J	0.0028 U	0.0035 U	0.0092	0.0027 U	0.0072 J	0.031	0.019	0.0025 U	0.0025 U
2-Chlorotoluene	95-49-8	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
2-Hexanone	591-78-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0028 J
4-Chlorotoluene	106-43-4	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
4-Methyl-2-pentanone	108-10-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0031 J
Acetone	67-64-1	100	500	1,000	0.782	0.0077 J	0.0115 J	0.0134 J	0.0082 J	0.0082 J	0.0093 J	0.0071 J	0.0071 U	0.05	0.0055 U	0.12	0.11	0.076	0.0084 J	0.03
Acrolein	107-02-8	—	—	—	NP	NP	NP	NP	NP	0.0059 U	0.0049 U	0.0056 U	0.0071 U	0.0074 U	0.0055 U	0.0081 U	0.022 U	0.013 U	0.0051 U	0.005 U
Acrylonitrile	107-13-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Benzene	71-43-2	4.8	44	89	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.093	0.13	0.0025 U	0.0049 J
Bromobenzene	108-86-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Bromochloromethane	74-97-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Bromodichloromethane	75-27-4	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Bromoform	75-25-2	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Bromomethane	74-83-9	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Carbon disulfide	75-15-0	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0044 J	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.016 J	0.054	0.0025 U	0.0025 U
Carbon tetrachloride	56-23-5	2.4	22	44	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Chlorobenzene	108-90-7	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Chloroethane	75-00-3	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Chloroform	67-66-3	49	350	700	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Chloromethane	74-87-3	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
cis-1,2-Dichloroethylene	156-59-2	100	500	1,000	0.0031 J	ND	ND	ND	ND	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
cis-1,3-Dichloropropylene	10061-01-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Cyclohexane	110-82-7	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Dibromochloromethane	124-48-1	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Dibromomethane	74-95-3	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Dichlorodifluoromethane	75-71-8	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Ethyl Benzene	100-41-4	41	390	780	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.81	0.0065 U	0.0025 U	0.0025 U
Hexachlorobutadiene	87-68-3	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Isopropylbenzene	98-82-8	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.043	0.0065 U	0.0025 U	0.0025 U
Methyl acetate	79-20-9	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Methyl tert-butyl ether (MTBE)	1634-04-4	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Methylcyclohexane	108-87-2	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Methylene chloride	75-09-2	100	500	1,000	0.011	0.0073	0.0045 J	ND	0.0074	0.0059 U	0.0049 U	0.0056 U	0.0071 U	0.0074 U	0.0055 U	0.0081 U	0.022 U	0.013 U	0.0051 U	0.005 U
n-Butylbenzene	104-51-8	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
n-Propylbenzene	103-65-1	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Naphthalene	91-20-3	100	500	1,000	ND	0.0019 J	ND	0.0049 J	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Xylene	95-47-6	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.23	0.0065 U	0.0025 U	0.0025 U
p- & m- Xylenes	179601-23-1	100	500	1,000	NP	NP	NP	NP	NP	0.0059 U	0.0049 U	0.0056 U	0.0071 U	0.0074 U	0.0055 U	0.0081 U	0.47	0.013 U	0.0051 U	0.005 U
p-Isopropyltoluene	99-87-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
sec-Butylbenzene	135-98-8	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Styrene	100-42-5	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
tert-Butyl alcohol (TBA)	75-65-0	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
tert-Butylbenzene	98-06-6	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Tetrachloroethylene	127-18-4	19	150	300	ND	0.0014 J	ND	ND	ND	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Toluene	108-88-3	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.068	0.0065 U	0.0025 U	0.0025 U
trans-1,2-Dichloroethylene	156-60-5	100	500	1,000	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
trans-1,3-Dichloropropylene	10061-02-6	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Trichloroethylene	79-01-6	21	200	400	ND	0.0921	0.0013 J	0.0028 J	ND	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Trichlorofluoromethane	75-69-4	—	—	—	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Vinyl Chloride	75-01-4	0.9	13	27	NP	NP	NP	NP	NP	0.003 U	0.0025 U	0.0028 U	0.0035 U	0.0037 U	0.0027 U	0.0041 U	0.011 U	0.0065 U	0.0025 U	0.0025 U
Xylenes, Total	1330-20-7	100	500	1,000	NP	NP	NP	NP	NP	0.0089 U	0.0074 U	0.0084 U	0.011 U	0.011 U	0.0082 U	0.012 U	0.7	0.02 U	0.0076 U	0.0074 U

TABLE C-1
SUMMARY OF SOIL ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives			ART 2013 Focused Subsurface Investigation										Langan 2019 Phase II																					
Sample ID:		Protection of Public Health - Restricted Use SCOs			B2 2'-6'		B4 3'-5'		B4 12.5'-13.5'		B4 21'		B5 3'-4'		008/LSB-1A		009/LSB-1B		010/LSB-2A		011/LSB-2B		006/LSB-3A		007/LSB-3B		004/LSB-7A		005/LSB-7B		012/060819_DUP1 (LSB-7B)		001/LSB-8A		002/LSB-8B	
Laboratory Sample Number:		Restricted-Residential	Commercial	Industrial	—		—		—		—		—		19F0307-07		19F0307-08		19F0307-09		19F0307-10		19F0307-05		19F0307-06		19F0307-03		19F0307-04		19F0307-11		19F0307-01		19F0307-02	
Sample Date:					11/2/2013		11/2/2013		11/2/2013		11/2/2013		11/2/2013		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019		6/8/2019	
Sample Depth/VOC Sample Depth (ft bgs):					2-6		3-5		12.5-13.5		21		3-4		0-2 / 0-0.5		2-4 / 2-2.5		0-2 / 0-0.5		3-5 / 3-3.5		0-2 / 0-0.5		2-4 / 2-2.5		0-2 / 0-0.5		18-20 / 18.5-19		18-20 / 18.5-19		0-2 / 0-0.5		6-8 / 6-6.5	
Units:		mg/kg	mg/kg	mg/kg	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q	mg/kg	Q
Semi-Volatiles, NJDEP/TCL/Part 375 List																																				
1,1'-Biphenyl	92-52-4	—	—	—	NP		NP		NP		NA		NP		0.336	D	0.102	JD	0.0456	U	0.117	D	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.0567	JD
1,2,4,5-Tetrachlorobenzene	95-94-3	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
1,2,4-Trichlorobenzene	120-82-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
1,2-Dichlorobenzene *	95-50-1	100	500	1,000	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
1,3-Dichlorobenzene *	541-73-1	49	280	560	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
1,4-Dichlorobenzene *	106-46-7	13	130	250	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,3,4,6-Tetrachlorophenol	58-90-2	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
2,4,5-Trichlorophenol	95-95-4	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,4,6-Trichlorophenol	88-06-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,4-Dichlorophenol	120-83-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,4-Dimethylphenol	105-67-9	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,4-Dinitrophenol	51-28-5	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
2,4-Dinitrotoluene	121-14-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2,6-Dinitrotoluene	606-20-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2-Chloronaphthalene	91-58-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2-Chlorophenol	95-57-8	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2-Methylnaphthalene	91-57-6	—	—	—	NP		NP		NP		NA		NP		1.16	D	0.313	D	0.0456	U	0.551	D	0.0919	JD	0.0661	JD	0.153	D	0.185	U	0.119	U	0.0461	U	0.103	D
2-Methylphenol	95-48-7	100	500	1,000	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
2-Nitroaniline	88-74-4	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
2-Nitrophenol	88-75-5	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
4-Methylphenol	65794-96-9	100,000	500,000	1,000,000	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0568	JD	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
3,3'-Dichlorobenzidine	91-94-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
3-Nitroaniline	99-09-2	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
4-Chloroaniline	106-47-8	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
4,6-Dinitro-2-methylphenol	534-52-1	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
4-Bromophenyl phenyl ether	101-55-3	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
4-Chlorophenyl phenyl ether	7005-72-3	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
4-Chloro-3-methylphenol	59-50-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
4-Nitroaniline	100-01-6	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
4-Nitrophenol	100-02-7	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
Acenaphthene	83-32-9	100	500	1,000	ND		0.23	J	ND		NA		0.29	J	4.65	D	3.4	D	0.18	D	1.02	D	0.172	D	0.162	D	0.532	D	0.185	U	0.119	U	0.0461	U	0.297	D
Acenaphthylene	208-96-8	100	500	1,000	ND		0.796	J	ND		NA		0.11	J	0.0833	JD	0.192	D	0.256	D	0.679	D	0.365	D	0.279	D	0.789	D	0.185	U	0.119	U	0.0492	JD	0.399	D
Acetophenone	98-86-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Analine	62-53-3	100	500	1,000	NP		NP		NP		NA		NP		0.192	U	0.215	U	0.182	U	0.212	U	0.206	U	0.192	U	0.186	U	0.74	U	0.474	U	0.184	U	0.18	U
Anthracene	120-12-7	100	500	1,000	0.14	J	0.72		ND		NA		0.64		7.76	D	6.93	D	0.63	D	2.21	D	0.542	D	0.602	D	1.95	D	0.185	U	0.119	U	0.072	JD	1.34	D
Atrazine	1912-24-9	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Benzaldehyde	100-52-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0561	JD	0.0467	U	0.185	U	0.119	U	0.331	D	2.32	DE
Benzidine	92-87-5	—	—	—	NP		NP		NP		NA		NP		0.192	U	0.215	U	0.182	U	0.212	U	0.206	U	0.192	U	0.186	U	0.74	U	0.474	U	0.184	U	0.18	U
Benzo(a)anthracene	56-55-3	1	5.6	11	0.48	J	**1.7**		0.0925	J	NA		**1.9**		**9.51**	**D**	**12.9**	**D**	**2.81**	**D**	**7.07**	**D**	**2.5**	**D**	**2.53**	**D**	**6.51**	**D**	0.185	U	0.119	U	0.371	D	**2.86**	**D**
Benzo(a)pyrene	50-32-8	1	1	1.1	0.64		**1.2**		ND		NA		**1.5**		**9.52**	**D**	**12.6**	**D**	**2.81**	**D**	**6.66**	**D**	**2.47**	**D**	**2.36**	**D**	**6.69**	**D**	0.185	U	0.119	U	0.376	D	**2.71**	**D**
Benzo(b)fluoranthene	205-99-2	1	5.6	11	0.5	J	**1.2**		ND		NA		**1.7**		**8.18**	**D**	**10.1**	**D**	**2.89**	**D**	**5.48**	**D**	**2.25**	**D**	**2.13**	**D**	**5.39**	**D**	0.185	U	0.119	U	0.351	D	**2.13**	**D**
Benzo(g,h,i)perylene	191-24-2	100	500	1,000	0.48	J	0.85		ND		NA		1.1		5.83	D	7.46	D	1.81	D	3.35	DE	1.62	D	1.37	D	4.15	D	0.185	U	0.119	U	0.27	D	1.71	D
Benzo(k)fluoranthene	207-08-9	3.9	56	110	0.21	J	0.72		ND		NA		0.86		**6.79**	**D**	**9.24**	**D**	2.45	D	**5.64**	**D**	2.03	D	1.9	D	**5.64**	**D**	0.185	U	0.119	U	0.305	D	2.18	D
Benzoic acid	65-85-0	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Benzyl alcohol	100-51-6	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	1.21	D	6.42	D
Benzyl butyl phthalate	85-68-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Bis(2-chloroethoxy)methane	111-91-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Bis(2-chloroethyl)ether	111-44-4	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Bis(2-chloroisopropyl)ether	108-60-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Bis(2-ethylhexyl)phthalate	117-81-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.45	D	0.0899	JD	0.0515	U	0.0482	U	0.732	D	0.185	U	0.119	U	11.8	D	68.1	D
Caprolactam	105-60-2	—	—	—	NP		NP		NP		NA		NP		0.0956	U	0.107	U	0.0911	U	0.106	U	0.103	U	0.0961	U	0.0931	U	0.369	U	0.237	U	0.0919	U	0.0897	U
Carbazole	86-74-8	—	—	—	NP		NP		NP		NA		NP		2.53	D	1.47	D	0.373	D	0.949	D	0.17	D	0.157	D	0.707	D	0.185	U	0.119	U	0.0461	U	0.286	D
Chrysene	218-01-9	3.9	56	110	0.39	J	1.5		ND		NA		1.6		**9.1**	**D**	**11.8**	**D**	3.01	D	**6.86**	**D**	2.5	D	2.4	D	**6.29**	**D**	0.185	U	0.119	U	0.374	D	2.63	D
Dibenzo(a,h)anthracene	53-70-3	0.33	0.56	1.1	ND		0.26	J	ND		NA		**0.41**		**1.88**	**D**	**2.68**	**D**	**0.665**	**D**	**1.29**	**D**	**0.554**	**D**	**0.509**	**D**	**1.55**	**D**	0.185	U	0.119	U	0.0779	JD	**0.506**	**D**
Dibenzofuran	132-64-9	59	350	1,000	NP		NP		NP		NA		NP		2.92	D	1.17	D	0.0954	D	0.875	D	0.0788	JD	0.0845	JD	0.36	D	0.185	U	0.119	U	0.0461	U	0.2	D
Diethyl phthalate	84-66-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Dimethyl phthalate	131-11-3	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Di-n-butyl phthalate	84-74-2	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0794	JD	0.0532	U	0.0607	JD	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Di-n-octyl phthalate	117-84-0	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Fluoranthene	206-44-0	100	500	1,000	0.73		2.9		0.2	J	NA		3.2		28.9	D	38.5	D	7.03	D	17.2	D	4.9	D	5.06	D	13.7	D	0.185	U	0.119	U	0.739	D	7.32	D
Fluorene	86-73-7	100	500	1,000	ND		0.19	J	ND		NA		0.27	J	3.72	D	2.77	D	0.183	D	0.911	D	0.14	D	0.134	D	0.549	D	0.185	U	0.119	U	0.0461	U	0.351	D
Hexachlorobenzene	118-74-1	1.2	6	12	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Hexachlorobutadiene	87-68-3	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Hexachlorocyclopentadiene	77-47-4	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Hexachloroethane	67-72-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Indeno(1,2,3-cd)pyrene	193-39-5	0.5	5.6	11	0.3	J	**0.8**		ND		NA		**1**		**6.46**	**D**	**8.53**	**D**	**2.23**	**D**	**4.38**	**D**	**1.83**	**D**	**1.63**	**D**	**4.5**	**D**	0.185	U	0.119	U	0.276	D	**1.92**	**D**
Isophorone	78-59-1	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Naphthalene	91-20-3	100	500	1,000	NP		NP		NP		NA		NP		2.27	D	0.594	D	0.0488	JD	0.912	D	0.121	D	0.107	D	0.223	D	0.185	U	0.119	U	0.0461	U	0.11	D
Nitrobenzene	98-95-3	15	69	140	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
N-Nitrosodimethylamine	62-75-9	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
N-nitroso-di-n-propylamine	621-64-7	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
N-Nitrosodiphenylamine	86-30-6	—	—	—	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Pentachlorophenol	87-86-5	6.7	6.7	55	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.0461	U	0.045	U
Phenanthrene	85-01-8	100	500	1,000	0.43	J	2.7		0.3	J	NA		2.3		29.4	D	22.9	D	3.37	D	13	D	2.23	D	2.3	D	7.62	D	0.185	U	0.119	U	0.372	D	5.11	D
Phenol	108-95-2	100	500	1,000	NP		NP		NP		NA		NP		0.0479	U	0.0538	U	0.0456	U	0.0532	U	0.0515	U	0.0482	U	0.0467	U	0.185	U	0.119	U	0.28	D	0.98	D
Pyrene	129-00-0	100	500	1,000	0.87		2.9		0.22	J	NA		2.9		23.8	D	32.2	D	5.98	D	15	D	4.23	D	4.26	D	12.4	D	0.185	U	0.119	U	0.696	D	6.16	D
Pyridine	110-86-1	—	—	—	NP		NP		NP		NA		NP		0.192	U	0.215	U	0.182	U	0.212	U	0.206	U	0.192	U	0.186	U	0.74	U	0.474	U	0.184	U	0.18	U

TABLE C-1
SUMMARY OF SOIL ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report	CAS Number	NYSDEC Subpart 375-6 Remedial Program Soil Cleanup Objectives – Protection of Public Health - Restricted Use SCOs			ART 2013 Focused Subsurface Investigation					Langan 2019 Phase II										
Sample ID:		Restricted-Residential	Commercial	Industrial	B2 2'-6'	B4 3'-5'	B4 12.5'-13.5'	B4 21'	B5 3'-4'	008/LSB-1A	009/LSB-1B	010/LSB-2A	011/LSB-2B	006/LSB-3A	007/LSB-3B	004/LSB-7A	005/LSB-7B	012/060819_DUP1 (LSB-7B)	001/LSB-8A	002/LSB-8B
Laboratory Sample Number:					—	—	—	—	—	19F0307-07	19F0307-08	19F0307-09	19F0307-10	19F0307-05	19F0307-06	19F0307-03	19F0307-04	19F0307-11	19F0307-01	19F0307-02
Sample Date:					11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019	6/8/2019
Sample Depth/VOC Sample Depth (ft bgs):					2-6	3-5	12.5-13.5	21	3-4	0-2 / 0-0.5	2-4 / 2-2.5	0-2 / 0-0.5	3-5 / 3-3.5	0-2 / 0-0.5	2-4 / 2-2.5	0-2 / 0-0.5	18-20 / 18.5-19	18-20 / 18.5-19	0-2 / 0-0.5	6-8 / 6-6.5
Units:		mg/kg	mg/kg	mg/kg	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q	mg/kg Q
Pesticides, EPA TCL List																				
4,4'-DDD	72-54-8	13	92	180	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
4,4'-DDE	72-55-9	8.9	62	120	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
4,4'-DDT	50-29-3	7.9	47	94	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0354 D	0.00207 U	0.00666 D	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.198 D	0.00179 U
Aldrin	309-00-2	0.097	0.68	1.4	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
alpha-BHC	319-84-6	0.48	3.4	6.8	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
alpha-Chlordane	5103-71-9	4.2	24	47	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
beta-BHC	319-85-7	0.36	3	14	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Chlordane, total	57-74-9	—	—	—	NA	NA	NA	NA	NA	0.0376 U	0.0425 U	0.0359 U	0.0414 U	0.0404 U	0.0382 U	0.0371 U	0.147 U	0.0931 U	0.0366 U	0.0357 U
delta-BHC	319-86-8	100	500	1,000	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Dieldrin	60-57-1	0.2	1.4	2.8	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endosulfan I	959-98-8	24	200	920	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endosulfan II	33213-65-9	24	200	920	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endosulfan sulfate	1031-07-8	24	200	920	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endrin	72-20-8	11	89	410	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endrin aldehyde	7421-93-4	—	—	—	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Endrin ketone	53494-70-5	—	—	—	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
gamma-BHC (Lindane)	58-89-9	1.3	9.2	23	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
gamma-Chlordane	5566-34-7	—	—	—	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Heptachlor	76-44-8	2.1	15	29	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Heptachlor epoxide	1024-57-3	—	—	—	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Methoxychlor	72-43-5	—	—	—	NA	NA	NA	NA	NA	0.00188 U	0.00213 U	0.0018 U	0.00207 U	0.00202 U	0.00191 U	0.00185 U	0.00735 U	0.00466 U	0.00183 U	0.00179 U
Toxaphene	8001-35-2	—	—	—	NA	NA	NA	NA	NA	0.188 U	0.213 U	0.18 U	0.207 U	0.202 U	0.191 U	0.185 U	0.735 U	0.466 U	0.183 U	0.179 U
PCBs, EPA TCL List																				
Aroclor 1016	12674-11-2	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Aroclor 1221	11104-28-2	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Aroclor 1232	11141-16-5	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Aroclor 1242	53469-21-9	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Aroclor 1248	12672-29-6	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Aroclor 1254	11097-69-1	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.287	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	**2.67 D**	**9.56 D**
Aroclor 1260	11096-82-5	1	1	25	NA	NP	NA	NA	NA	0.019 U	0.0215 U	0.0181 U	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	0.185 U	0.18 U
Total PCBs	1336-36-3	1	1	25	NA	**1.1**	NA	NA	NA	0.019 U	0.0215 U	0.287	0.0209 U	0.0204 U	0.0193 U	0.0187 U	0.0742 U	0.047 U	**2.67 D**	**9.56 D**
Metals, Target Analyte																				
Aluminum	7429-90-5	—	—	—	NA	NA	NA	NA	NA	6,700	6,780	10,500	10,300	3,720	4,430	6,380	16,700	5,740	5,510	6,560
Antimony	7440-36-0	—	—	—	NA	NA	NA	NA	NA	2.88 U	3.23 U	2.75 U	3.19 U	4.07	2.91 U	3.55	7.53 U	7.12 U	2.78 U	2.72 U
Arsenic	7440-38-2	16	16	16	NA	NA	NA	NA	NA	3.62	4.18	4.28	11.2	**26.8**	**33.1**	9.15	5.86	4.27 U	7.2	6.25
Barium	7440-39-3	400	400	10,000	NA	NA	NA	NA	NA	53.1	42.5	147	67.3	163	132	**634**	33.1	27.3	126	75.5
Beryllium	7440-41-7	72	590	2,700	NA	NA	NA	NA	NA	0.058 U	0.065 U	0.055 U	0.064 U	0.062 U	0.058 U	0.056 U	0.151 U	0.142 U	0.056 U	0.054 U
Cadmium	7440-43-9	4.3	9.3	60	NA	NA	NA	NA	NA	0.345 U	0.388 U	1.1	0.383 U	0.807	0.349 U	**14.2**	0.904 U	0.855 U	0.334 U	0.326 U
Calcium	7440-70-2	—	—	—	NA	NA	NA	NA	NA	37,000	3,000	43,700	6,490	43,500	5,130	6,170	4,160	6,100	21,200	58,400
Chromium, Total**	7440-47-3	180	1,500	6,800	NA	NA	NA	NA	NA	10.3	15.4	23.6	20.8	17.1	20.5	25.1	35.3	13.9	20.3	31
Chromium, Hexavalent	18540-29-9	110	400	800	NA	NA	NA	NA	NA	0.575 U	0.646 U	0.55 U	0.638 U	0.618 U	0.582 U	0.564 U	1.51 U	1.42 U	0.557 U	0.543 U
Chromium, Trivalent	16065-83-1	180	1,500	6,800	NA	NA	NA	NA	NA	10.3	15.4	23.6	20.8	17.1	20.5	25.1	35.3	13.9	20.3	31
Cobalt	7440-48-4	—	—	—	NA	NA	NA	NA	NA	4.45	6.13	11.1	6.37	8.22	10.2	8.78	10	4.95	8.83	9.94
Copper	7440-50-8	270	270	10,000	NA	NA	NA	NA	NA	24	25.9	63.1	54.5	109	128	142	13.1	7.98	212	**472**
Iron	7439-89-6	—	—	—	NA	NA	NA	NA	NA	11,500	15,300	17,800	14,600	45,300	40,800	31,500	25,000	13,800	13,600	12,100
Lead	7439-92-1	400	1,000	3,900	NA	NA	NA	NA	NA	51.5	163	133	178	**416**	374	**1,090**	15.9	19.3	156	57.3
Magnesium	7439-95-4	—	—	—	NA	NA	NA	NA	NA	2,810	3,010	14,300	5,380	3,010	2,350	3,410	6,460	3,800	2,420	3,670
Manganese	7439-96-5	2,000	10,000	10,000	NA	NA	NA	NA	NA	184	169	200	239	222	233	294	125	57.7	209	220
Mercury	7439-97-6	0.81	2.8	5.7	NA	NA	NA	NA	NA	0.196	**0.884**	0.486	**1.13**	0.742	0.686	**4.65**	0.0904 U	0.0855 U	0.473	0.206
Nickel	7440-02-0	310	310	10,000	NA	NA	NA	NA	NA	11	18.1	25.4	20.1	21.5	24	28.1	26.1	13.8	59.6	129
Potassium	7440-09-7	—	—	—	NA	NA	NA	NA	NA	664	1,460	4,580	1,550	1,060	1,090	1,060	3,450	1,170	1,050	1,180
Selenium	7782-49-2	180	1,500	6,800	NA	NA	NA	NA	NA	2.88 U	3.23 U	2.75 U	3.19 U	3.09 U	2.91 U	2.82 U	7.53 U	7.12 U	2.78 U	2.72 U
Silver	7440-22-4	180	1,500	6,800	NA	NA	NA	NA	NA	0.575 U	0.646 U	0.55 U	0.638 U	0.618 U	0.582 U	0.564 U	1.51 U	1.42 U	0.557 U	0.636
Sodium	7440-23-5	—	—	—	NA	NA	NA	NA	NA	713	1,990	530	2,650	1,140	1,220	521	3,060	2,740	363	612
Thallium	7440-28-0	—	—	—	NA	NA	NA	NA	NA	2.88 U	3.23 U	2.75 U	3.19 U	3.09 U	2.91 U	2.82 U	7.53 U	7.12 U	2.78 U	2.72 U
Vanadium	7440-62-2	—	—	—	NA	NA	NA	NA	NA	15.3	17.5	37.4	22.9	22.5	19.6	22.7	54.6	21.7	16.5	14.6
Zinc	7440-66-6	10,000	10,000	10,000	NA	NA	NA	NA	NA	57.4	73.9	162	161	321	677	943	45	26.9	189	115
General Chemistry																				
Cyanide, total	57-12-5	27	27	10,000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
% Solids	solids	—	—	—	NA	NA	NA	NA	NA	86.9	77.4	91	78.3	80.9	85.9	88.7	33.2	35.1	89.8	92

Notes:
Soil Cleanup Objectives are taken from the NYSDEC Subpart 375-6 Remedial Program SCOs (Revised Brownfields) criteria are from the NYSDEC Soil Cleanup Objective Tables 375-6.8(a) and 375-6.8(b), last revised 14 December 2006 and the NYSDEC CP-51 Soil Cleanup Guidance dated 21 October 2010.
ft bgs: feet below ground surface
Langan was only provided with detected compounds for samples collected in 2013 by Assessment Resources & Technologies, Inc.
--- : Indicates that no regulatory limit has been established for this analyte
NA: Not analyzed
NP: Data not provided, but potentially analyzed
ND: Result is below RL, but RL was not provided
*: Analytical results for these compounds are reported by the laboratory as both VOCs and SVOCs. NYSDEC only provides SCOs for these compounds as VOCs; therefore, the SVOC analytical reuslts for these compounds are screened against the VOC SCOs
**: Total Chromium is compared to the Trivalent Chromium SCOs as Hexavalent Chromium was analyzed
Italicized results indicate Reporting Limits (RL) greater than or equal to the most stringent criteria.
Exceedances of regulatory criteria are highlighted and **bold**.

Q is the Qualifier Column with definitions as follows:
D: Result is from an analysis that required a dilution
J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U: Analyte not detected at or above the level indicated

TABLE C-2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report:			ART 2013 Focused Subsurface Investigation								Langan 2019 Phase II									
Sample ID:	**CAS Number**	**Ground Water Quality Standards[1]**	B1GW 5'-9'		B1GW 25'-29'		B2GW 7'-12'		B2GW 20'-25'		B3GW 7'-12'		B3GW 25'-27'		B4GW 7'-12'		B4GW 19'-23'		003/MW-1		026/MW-2		022/MW-3		023/061219_DUP2	
Laboratory Sample Number:			---		---		---		---		---		---		---		---		19F0308-01		19F0521-01		19F0463-01		19F0463-02	
Sampling Date:			11/2/2013		11/2/2013		11/2/2013		11/2/2013		11/2/2013		11/2/2013		11/2/2013		11/2/2013		6/8/2019		6/13/2019		6/12/2019		6/12/2019	
Units:		**ug/L**	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q	ug/L	Q
Volatile Organic Compounds (VOCs)																										
1,1-Dichloroethane	75-34-3	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloroethene	75-35-4	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1-Dichloropropene	563-58-6	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1,1-Trichloroethane	71-55-6	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1,2-Trichloroethane	79-00-5	1	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1,1,2-Tetrachloroethane	630-20-6	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,1,2,2-Tetrachloroethane	79-34-5	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichlorobenzene	95-50-1	3	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethane	107-06-2	0.6	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethene (cis)	156-59-2	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethene (trans)	156-60-5	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dichloroethene (total)	---	---	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
1,2-Dichloropropane	78-87-5	1	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichlorobenzene	541-73-1	3	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Dibromo-3-chloropropane	96-12-8	0.04	NP		NP		NP		NP		NP		NP		NP		NP		*0.2*	*U*	*0.2*	*U*	**0.32**	**J**	*0.2*	*U*
1,3-Dichloropropane	142-28-9	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichlorobenzene	87-61-6	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2,2-Trifluorethane (113 Freon)	76-13-1	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2,3-Trichloropropane	96-18-4	0.04	NP		NP		NP		NP		NP		NP		NP		NP		**4.31**		*0.2*	*U*	*0.2*	*U*	*0.2*	*U*
1,2,4-Trichlorobenzene	120-82-1	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2,4-Trimethylbenzene	95-63-6	5	ND		**58.5**		ND		**31.9**		ND		0.69	J	ND		0.49	J	0.2	U	0.2	U	0.2	U	0.2	U
1,2,4,5-Tetramethylbenzene	95-93-2	5	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
1,3,5-Trimethylbenzene	108-67-8	5	ND		ND		ND		**9.0**		ND		ND		ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichloropropene (cis)	10061-01-5	0.4	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,3-Dichloropropene (trans)	10061-02-6	0.4	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Total, 1,3-Dichloropropene (Cis And Trans)	542-75-6	0.4	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
1,3-Dichlorobenzene	541-73-1	3	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,4-dichloro-2-butene (trans)	110-57-6	5	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
1,4-Dichlorobenzene	106-46-7	3	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,4-Diethyl Benzene	105-05-5	---	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
1,4-Dioxane	123-91-1	---	NP		NP		NP		NP		NP		NP		NP		NP		40	U	40	U	40	U	40	U
2-Butanone	78-93-3	50	ND		ND		ND		ND		ND		18.1	J	ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
2-Chlorotoluene	95-49-8	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
2,2-Dichloropropane	594-20-7	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
4-Chlorotoluene	106-43-4	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
4-Ethyltoluene	622-96-8	---	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
Acetone	67-64-1	50	ND		**69.7**		ND		ND		ND		**140**		ND		ND		1	U	1	U	1	U	1	U
Acrolein	107-02-8	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Acrylonitrile	107-13-1	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Benzene	71-43-2	1	ND		**440**		ND		**180**		ND		**1.0**	**J**	**4.4**	**J**	**150**		0.2	U	0.2	U	0.2	U	0.2	U
Bromobenzene	108-86-1	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Bromochloromethane	74-97-5	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Bromodichloromethane	75-27-4	50	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Bromoform	75-25-2	50	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Bromomethane	74-83-9	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
n-Butylbenzene	104-51-8	5	ND		ND		ND		0.61	J	ND		ND		ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
Carbon Disulfide	75-15-0	60	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Carbon tetrachloride	56-23-5	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Chlorobenzene	108-90-7	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Chloroethane	75-00-3	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Chloroform	67-66-3	7	NP		NP		NP		NP		NP		NP		NP		NP		1.92		0.2	U	0.2	U	0.2	U
Chloromethane	19961-13-8	---	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
Cyclohexane	110-82-7	---	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	1.01		0.75	
Dibromochloromethane	124-48-1	50	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Dibromomethane	74-95-3	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Dichlorodifluoromethane	75-71-8	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Diethyl Ether (Ethyl Ether)	60-29-7	3	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
Ethylbenzene	100-41-4	5	ND		**40.2**		ND		**210**		ND		0.52	J	ND		0.57	J	0.2	U	0.2	U	0.2	U	0.2	U
Ethylene Dibromide	106-93-4	0.0006	NP		NP		NP		NP		NP		NP		NP		NP		*0.2*	*U*	*0.2*	*U*	*0.2*	*U*	*0.2*	*U*
Hexachlorobutadiene	87-68-3	0.5	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
2-Hexanone	591-78-6	50	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Isopropyl Benzene	98-82-8	5	ND		**29.3**		ND		4.4	J	ND		ND		ND		2.2	J	0.2	U	0.2	U	0.2	U	0.2	U
p-Isopropyltoluene	99-87-6	5	ND		**5.1**		ND		4.9	J	ND		0.99	J	ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
Methyl acetate	79-20-9	---	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Methyl ethyl ketone (MEK / 2-butanone)	78-93-3	50	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Methyl tert-butyl ether	1634-04-4	10	ND		**11.1**		ND		ND		ND		ND		ND		3.7	J	0.2	U	0.2	U	0.2	U	0.2	U
Methylene chloride	75-09-2	5	NP		NP		NP		NP		NP		NP		NP		NP		1	U	1	U	1	U	1	U
Methylcyclohexane	108-87-2	---	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
4-Methyl-2-Pentanone	108-10-1	---	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Naphthalene*	91-20-3	10	ND		**130**		ND		**3,000**		ND		**290**		1.6	J	9.1		NA		NA		NA		NA	
Propylbenzene-n	103-65-1	5	ND		**8.3**		ND		1.7	J	ND		ND		ND		0.58	J	0.2	U	0.2	U	0.2	U	0.2	U
Sec-Butylbenzene	135-98-8	5	ND		ND		ND		ND		ND		ND		ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
Styrene	100-42-5	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Tert Butyl Alcohol (TBA)	75-65-0	---	NP		NP		NP		NP		NP		NP		NP		NP		0.5	U	0.5	U	0.5	U	0.5	U
Tert-Butylbenzene	98-06-6	5	ND		ND		ND		ND		ND		ND		ND		ND		0.2	U	0.2	U	0.2	U	0.2	U
Tetrachloroethene	127-18-4	5	ND		ND		ND		ND		ND		ND		ND		ND		0.2	U	0.27	J	0.2	U	0.2	U
Toluene	108-88-3	5	ND		0.94	J	ND		**280**		ND		1.6	J	ND		0.41	J	0.2	U	0.2	U	0.2	U	0.2	U
Trichloroethene	79-01-6	5	ND		ND		ND		ND		ND		0.97	J	1.8	J	ND		0.2	U	0.73		0.2	U	0.2	U
Trichlorofluoromethane (Freon 11)	75-69-4	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
Vinyl Acetate	108-05-4	3	NP		NP		NP		NP		NP		NP		NP		NP		NA		NA		NA		NA	
Vinyl Chloride	75-01-4	2	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
1,2-Xylene (o-Xylene)	95-47-6	5	NP		NP		NP		NP		NP		NP		NP		NP		0.2	U	0.2	U	0.2	U	0.2	U
m&p-Xylene	179601-23-1	5	NP		NP		NP		NP		NP		NP		NP		NP		0.5	U	0.5	U	0.5	U	0.5	U
Xylene (mixed)	1330-20-7	5	ND		**31.7**		ND		**191**		ND		1.63		ND		1.5		0.6	U	0.6	U	0.6	U	0.6	U

TABLE C-2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report:			ART 2013 Focused Subsurface Investigation								Langan 2019 Phase II			
Sample ID:	**CAS Number**	**Ground Water Quality Standards[1]**	B1GW 5'-9'	B1GW 25'-29'	B2GW 7'-12'	B2GW 20'-25'	B3GW 7'-12'	B3GW 25'-27'	B4GW 7'-12'	B4GW 19'-23'	003/MW-1	026/MW-2	022/MW-3	023/061219_DUP2
Laboratory Sample Number:			---	---	---	---	---	---	---	---	19F0308-01	19F0521-01	19F0463-01	19F0463-02
Sampling Date:			11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	6/8/2019	6/13/2019	6/12/2019	6/12/2019
Units:		**ug/L**	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q
Semi-Volatile Organic Compounds (SVOCs)														
1,1'-Biphenyl	92-52-4	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	ND	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
1,2-Dichlorobenzene	95-50-1	3	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
1,2,4,5-Tetrachlorobenzene	12408-10-5	5	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
1,2,4-Trichlorobenzene	120-82-1	5	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
1,3-Dichlorobenzene	541-73-1	3	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
1,4-Dichlorobenzene	106-46-7	3	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
2-Chloronaphthalene	91-58-7	10	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2-Chlorophenol	95-57-8	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2-Methylnaphthalene	91-57-6	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2-Nitroaniline	88-74-4	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2-Nitrophenol	88-75-5	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2,4-Dichlorophenol	120-83-2	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
2,4-Dimethylphenol	105-67-9	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
2,4-Dinitrophenol	51-28-5	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
2,4-Dinitrotoluene	121-14-2	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2,4,5-Trichlorophenol	95-95-4	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2,4,6-Trichlorophenol	88-06-2	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
2,6-Dinitrotoluene	606-20-2	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
3-Nitroaniline	99-09-2	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
3,3'-Dichlorobenzidine	91-94-1	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
3- & 4-Methylphenols	65794-96-9	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
4-Chloro-3-methylphenol	59-50-7	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
4-Chloroaniline	106-47-8	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
4-Nitroaniline	100-01-6	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
4-Nitrophenol	100-02-7	1	NP	NP	NP	NP	NP	NP	NP	NP	*6.25 U*	*6.25 U*	*5.41 U*	*5.41 U*
4,6-Dinitro-2-methylphenol	534-52-1	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Acenaphthene	83-32-9	20	ND	**91.1**	ND	**40**	ND	NP	ND	6.3 J	0.0625 U	0.0875	2.76	1.55
Acenaphthylene	208-96-8	---	ND	ND	ND	43.9	ND	NP	ND	ND	0.225	0.488	0.638	0.227
Acetophenone	98-86-2	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Aniline	62-53-3	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Atrazine	1912-24-9	7.5	NP	NP	NP	NP	NP	NP	NP	NP	0.625 U	0.625 U	0.541 U	0.541 U
Anthracene	120-12-7	50	ND	ND	ND	8.4 J	ND	NP	ND	ND	0.0625 U	0.288	2.03	0.562
Benzidine	92-87-5	5	NP	NP	NP	NP	NP	NP	NP	NP	*6.25 U*	*6.25 U*	*5.41 U*	*5.41 U*
Benzo(a)anthracene	56-55-3	0.002	NP	NP	NP	NP	NP	NP	NP	NP	**0.0875**	**1.2**	**1.45**	**0.53**
Benzo(a)pyrene	50-32-8	ND	ND	ND	ND	ND	ND	NP	ND	ND	**0.075**	**1.58**	**1.45**	**0.595**
Benzo(b)fluoranthene	205-99-2	0.002	NP	NP	NP	NP	NP	NP	NP	NP	**0.075**	**1.4**	**0.714**	**0.335**
Benzo(g,h,i)perylene	191-24-2	---	NP	NP	NP	NP	NP	NP	NP	NP	0.0625 U	1.25	0.973	0.411
Benzo(k)fluoranthene	207-08-9	0.002	NP	NP	NP	NP	NP	NP	NP	NP	*0.0625 U*	**1.06**	**0.681**	**0.303**
Benzoic acid	65-85-0	---	NP	NP	NP	NP	NP	NP	NP	NP	34.9 J	31.2 U	27 U	27 U
Benzyl alcohol	100-51-6	---	NP	NP	NP	NP	NP	NP	NP	NP	77.3 D	3.12 U	2.7 U	2.7 U
Bis(2-chloroethoxy)methane	111-91-1	5	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
bis(2-Chloroethyl)ether	111-44-4	1	NP	NP	NP	NP	NP	NP	NP	NP	*1.25 U*	*1.25 U*	*1.08 U*	*1.08 U*
Bis(2-chloroisopropyl)ether	39638-32-9	---	NP	NP	NP	NP	NP	NP	NP	NP	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	117-81-7	5	NP	NP	NP	NP	NP	NP	NP	NP	0.625 U	0.625 U	**5.09 E**	0.541 U
4-Bromophenyl phenyl ether	101-55-3	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Butyl benzyl phthalate	85-68-7	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Carbazole	86-74-8	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
4-Chlorophenyl phenyl ether	7005-72-3	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Chrysene	218-01-9	0.002	NP	NP	NP	NP	NP	NP	NP	NP	**0.075**	**1.11**	**1.23**	**0.465**
Dibenzo(a,h)anthracene	53-70-3	---	NP	NP	NP	NP	NP	NP	NP	NP	0.0625 U	0.3	0.162	0.108
Dibenzofuran	132-64-9	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Diethyl phthalate	84-66-2	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Dimethyl phthalate	131-11-3	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Di-n-butyl phthalate	84-74-2	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Di-n-octyl phthalate	117-84-0	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Fluoranthene	206-44-0	50	ND	ND	ND	7.60 J	5.80 J	NP	ND	ND	0.175	1.84	5.05 E	1.66
Fluorene	86-73-7	50	ND	13.8	ND	25.8	ND	NP	ND	ND	0.0625 U	0.075	0.616	0.335
Hexachlorobenzene	118-74-1	0.04	NP	NP	NP	NP	NP	NP	NP	NP	0.025 U	0.025 U	0.0216 U	0.0216 U
Hexachlorobutadiene	87-68-3	0.5	NP	NP	NP	NP	NP	NP	NP	NP	*0.625 U*	*0.625 U*	*0.541 U*	*0.541 U*
Hexachlorocyclopentadiene	77-47-4	5	NP	NP	NP	NP	NP	NP	NP	NP	*6.25 U*	*6.25 U*	*5.41 U*	*5.41 U*
Hexachloroethane	67-72-1	5	NP	NP	NP	NP	NP	NP	NP	NP	0.625 U	0.625 U	0.541 U	0.541 U
Indeno(1,2,3-cd)pyrene	193-39-5	0.002	NP	NP	NP	NP	NP	NP	NP	NP	*0.0625 U*	**0.938**	**0.573**	**0.259**
Isophorone	78-59-1	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
Naphthalene	91-20-3	10	NP	NP	NP	NP	NP	NP	NP	NP	0.0625	0.25	0.184	0.173
Nitrobenzene	98-95-3	0.4	NP	NP	NP	NP	NP	NP	NP	NP	0.312 U	0.312 U	0.27 U	0.27 U
N-Nitrosodimethylamine	62-75-9	---	NP	NP	NP	NP	NP	NP	NP	NP	0.625 U	0.625 U	0.541 U	0.541 U
N-nitroso-di-n-propylamine	621-64-7	---	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
n-Nitrosodiphenylamine	86-30-6	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U
o-Cresol(s) (2-Methylphenol)	95-48-7	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
Pentachlorophenol	87-86-5	1	NP	NP	NP	NP	NP	NP	NP	NP	0.312 U	0.312 U	0.27 U	0.27 U
Phenanthrene	85-01-8	50	ND	9.9 J	ND	28.2	ND	NP	ND	ND	0.138	0.862	6.22 D	2.1
Phenol (total)	108-95-2	1	NP	NP	NP	NP	NP	NP	NP	NP	*3.12 U*	*3.12 U*	*2.7 U*	*2.7 U*
Pyrene	129-00-0	50	ND	ND	ND	10.8	7.6 J	NP	ND	ND	0.15	1.9	7.03 D	2.16
Pyridine	110-86-1	50	NP	NP	NP	NP	NP	NP	NP	NP	3.12 U	3.12 U	2.7 U	2.7 U

TABLE C-2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report:			ART 2013 Focused Subsurface Investigation								Langan 2019 Phase II			
Sample ID:	**CAS Number**	**Ground Water Quality Standards[1]**	B1GW 5'-9'	B1GW 25'-29'	B2GW 7'-12'	B2GW 20'-25'	B3GW 7'-12'	B3GW 25'-27'	B4GW 7'-12'	B4GW 19'-23'	003/MW-1	026/MW-2	022/MW-3	023/061219_DUP2
Laboratory Sample Number:			---	---	---	---	---	---	---	---	19F0308-01	19F0521-01	19F0463-01	19F0463-02
Sampling Date:			11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	11/2/2013	6/8/2019	6/13/2019	6/12/2019	6/12/2019
Units:		**ug/L**	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q	ug/L Q
Pesticides														
4,4'-DDE	72-55-9	0.2	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
4,4'-DDT	50-29-3	0.2	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
4,4'-DDD	72-54-8	0.3	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Aldrin	309-00-2	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Alpha-BHC	319-84-6	0.01	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Beta-BHC	319-85-7	0.04	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Chlordane	57-74-9	0.05	NA	NA	NA	NA	NA	NA	NA	NA	*0.222 U*	*0.205 U*	*0.222 U*	*0.216 U*
Delta-BHC	319-86-8	0.04	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Dieldrin	60-57-1	0.004	NA	NA	NA	NA	NA	NA	NA	NA	0.00222 U	0.00205 U	0.00222 U	0.00216 U
Endosulfan I	959-98-8	---	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Endosulfan II	33213-65-9	---	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Endosulfan Sulfate	1031-07-8	---	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Endrin	72-20-8	ND	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Endrin aldehyde	7421-93-4	5	NA	NA	NA	NA	NA	NA	NA	NA	0.0111 U	0.0103 U	0.0111 U	0.0108 U
Endrin ketone	53494-70-5	5	NA	NA	NA	NA	NA	NA	NA	NA	0.0111 U	0.0103 U	0.0111 U	0.0108 U
Heptachlor	76-44-8	0.04	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Heptachlor epoxide	1024-57-3	0.03	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Methoxychlor	72-43-5	35	NA	NA	NA	NA	NA	NA	NA	NA	0.00444 U	0.0041 U	0.00444 U	0.00432 U
Toxaphene	8001-35-2	0.06	NA	NA	NA	NA	NA	NA	NA	NA	*0.111 U*	*0.103 U*	*0.111 U*	*0.108 U*
Polychlorinated biphenyls (PCBs)														
Pcb-1016 (Aroclor 1016)	12674-11-2	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1221 (Aroclor 1221)	11104-28-2	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1232 (Aroclor 1232)	11141-16-5	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1242 (Aroclor 1242)	53469-21-9	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1248 (Aroclor 1248)	12672-29-6	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1254 (Aroclor 1254)	11097-69-1	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Pcb-1260 (Aroclor 1260)	11096-82-5	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Total PCBs	1336-36-3	0.09	NA	NA	NP	NA	NP	NA	NP	NA	0.0556 U	0.0513 U	0.0556 U	0.0541 U
Metals														
Aluminum	7429-90-5	---	NA	NA	NA	NA	NA	NA	NA	NA	5,730	333	4,390	1,430
Antimony	7440-36-0	3	NA	NA	NA	NA	NA	NA	NA	NA	1.11 U	1.6	1.11 U	1.11 U
Arsenic	7440-38-2	25	NA	NA	NA	NA	NA	NA	NA	NA	14	6.53	4.14	1.28
Barium	7440-39-3	1,000	NA	NA	NA	NA	NA	NA	NA	NA	349	40.6	214	190
Beryllium	7440-41-7	3	NA	NA	NA	NA	NA	NA	NA	NA	0.333 U	0.333 U	0.333 U	0.333 U
Cadmium	7440-43-9	5	NA	NA	NA	NA	NA	NA	NA	NA	0.556 U	0.556 U	0.556 U	0.556 U
Calcium	7440-70-2	---	NA	NA	NA	NA	NA	NA	NA	NA	181,000	242,000	147,000	144,000
Chromium	7440-47-3	50	NA	NA	NA	NA	NA	NA	NA	NA	18.6	8.87	12.8	6.38
Chromium, Hexavalent	18540-29-9	50	NA	NA	NA	NA	NA	NA	NA	NA	10 U	10 U	10 U	10 U
Cobalt	7440-48-4	---	NA	NA	NA	NA	NA	NA	NA	NA	5.54	4.44 U	4.44 U	4.44 U
Copper	7440-50-8	200	NA	NA	NA	NA	NA	NA	NA	NA	34.6	27.1	23.2	22.2 U
Cyanide	57-12-5	200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Iron	7439-89-6	300	NA	NA	NA	NA	NA	NA	NA	NA	**32,700**	**857**	**9,360**	**4,270**
Iron and Manganese	7493-89-6/7439-96-5	500	NA	NA	NA	NA	NA	NA	NA	NA	**34,340**	**886.1**	**10,196**	**5,045**
Lead	7439-92-1	25	NA	NA	NA	NA	NA	NA	NA	NA	**267**	21.1	**66**	20.3
Magnesium	7439-95-4	35,000	NA	NA	NA	NA	NA	NA	NA	NA	**85,800**	**689,000**	**63,100**	**60,500**
Manganese	7439-96-5	300	NA	NA	NA	NA	NA	NA	NA	NA	**1,640**	29.1	**836**	**775**
Mercury (elemental)	7439-97-6	0.7	NA	NA	NA	NA	NA	NA	NA	NA	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	7440-02-0	100	NA	NA	NA	NA	NA	NA	NA	NA	11.1 U	11.1 U	11.1 U	11.1 U
Potassium	7440-09-7	---	NA	NA	NA	NA	NA	NA	NA	NA	86,800 B	260,000 B	39,900 B	39,000 B
Selenium	7782-49-2	10	NA	NA	NA	NA	NA	NA	NA	NA	**10.4**	1.11 U	1.11 U	1.11 U
Silver	7440-22-4	50	NA	NA	NA	NA	NA	NA	NA	NA	5.56 U	5.56 U	5.56 U	5.56 U
Sodium	7440-23-5	20,000	NA	NA	NA	NA	NA	NA	NA	NA	**197,000**	**6,000,000 D**	**487,000**	**475,000**
Thallium	7440-28-0	0.5	NA	NA	NA	NA	NA	NA	NA	NA	*1.11 U*	*1.11 U*	*1.11 U*	*1.11 U*
Vanadium	7440-62-2	---	NA	NA	NA	NA	NA	NA	NA	NA	14.4	11.1 U	11.1 U	11.1 U
Zinc	7440-66-6	2,000	NA	NA	NA	NA	NA	NA	NA	NA	88.4	101	61.6	31.2

NOTES:
1. DEC establishes water quality standards and other criteria for many specific substances and are found in NYS regulation 6 NYCRR Part 703.5 (current through February 15, 2016). In the absence of established water quality standards, numeric guidance values are derived and compiled in Division of Water guidance (TOGS 1.1.1) (updated June 2004). Ambient standards and guidance values are supported by technical documents called "Fact Sheets" that are also available upon request from the NYSDEC.
http://www.dec.ny.gov/chemical/23853.html
http://www.dec.ny.gov/regulations/2652.html
ug/L: micrograms per liter
Exceedances of regulatory criteria are highlighted and **bold**.
Italicized results indicate the Reporting Limit (RL) is greater than or equal to the most stringent criteria.
--- : Indicates that no regulatory limit has been established for this analyte
Langan was only provided with detected compounds for samples collected in 2013 by Assessment Resources & Technologies, Inc.
*: Langan was provided with ND results as well as exceedance results for the VOC Naphthalene for samples collected in 2013 by Assessment Resources & Technologies, In. Only exceedance results are shown within this table
NA: Compound not analyzed
NP: Data not provided, but potentially analyzed
ND: Result is below RL, but RL was not provided

Q is the Qualifier Column with definitions as follows:
D: Result is from an analysis that required a dilution
J: Analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U: Analyte not detected at or above the level indicated
E: Result is estimated and cannot be accurately reported due to levels encountered or interferences
B: analyte found in the analysis batch blank

TABLE C-3
SUMMARY OF SOIL VAPOR, INDOOR AIR, AND AMBIENT AIR ANALYTICAL RESULTS
210 Douglass Street
Brooklyn, New York

Report		ART 2013 Focused Subsurface Investigation						ART 2013 Indoor Air Quality Assessment									
Sample ID		SG1 Outside		SG2 Interior		SG3 Interior		#1		#2		#3		#4		#5	
Lab Sample ID	**CAS Number**	---		---		---		K7567.D		K7543.D		K7581.D		K7551.D		K7578.D	
Sample Date		11/2/2013		11/2/2013		11/2/2013		11/20/2013		11/20/2013		11/20/2013		11/20/2013		11/20/2013	
Location		Sub-Slab		Sub-Slab		Sub-Slab		Indoor Air		Indoor Air		Indoor Air		Indoor Air		Ambient Air	
Units		ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q	ug/m3	Q
Volatile Organic Compounds (VOCs)																	
1,1-Dichloroethane	75-34-3	ND		11.7		ND		ND		ND		ND		ND		ND	
1,1-Dichloroethylene	75-35-4	NP		NP		NP		ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	71-55-6	0.16	J	66.8		20.2	J	ND		ND		ND		ND		ND	
1,2,4-Trimethylbenzene	95-63-6	ND		14.8		10.8	J	5.5		5.6		5.4		ND		ND	
1,3,5-Trimethylbenzene	108-67-8	16.2		3.29		ND		ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	106-46-7	ND		11.4		7.21	J	ND		ND		ND		ND		ND	
2-Butanone	78-93-3	28.3		2.68		9.14	J	3.1		4.1		3.0		ND		ND	
4-Methyl-2-pentanone	108-10-1	2.58		ND		ND		ND		ND		ND		ND		ND	
Acetone	67-64-1	308		ND		154		2,300	D	460	D	680	D	180	D	10	
Benzene	71-43-2	6.39		11.5		32.6		ND		ND		ND		ND		ND	
Carbon disulfide	75-15-0	180		53.6		58.6		ND		ND		ND		ND		ND	
Carbon tetrachloride	56-23-5	0.25	J	0.31	J	34		ND		ND		ND		ND		ND	
Chloroethane	75-00-3	2.64		0.32	J	ND		ND		ND		ND		ND		ND	
Chloroform	67-66-3	ND		2.69		208		ND		ND		ND		ND		ND	
Chloromethane	74-87-3	0.83	J	0.74	J	ND		1.3		1.2		1.2		1.2		1.3	
cis-1,2-Dichloroethylene	156-59-2	ND		ND		7.93	J	ND		ND		ND		ND		ND	
Cyclohexane	110-82-7	4.13		79.9		28.6		ND		ND		ND		ND		ND	
Dichlorodifluoromethane	75-71-8	3.12		0.45	J	ND		ND		ND		ND		ND		ND	
Ethyl acetate	141-78-6	NP		NP		NP		ND		ND		ND		ND		ND	
Ethyl Alcohol	64-17-5	NP		NP		NP		260	D	180	D	200	D	550	D	17	
Ethyl Benzene	100-41-4	15.6		21.3		40.0		32		8.8		14		3.3		ND	
Isooctane	540-84-1	NP		NP		NP		ND		2.8		2.7		ND		ND	
Isopropanol	67-63-0	NP		NP		NP		50		13		18		25		4.6	
Methylene chloride	75-09-2	2.85		1.74		33		2.2		2.2		2.1		2.3		2.4	
n-Butane	106-97-8	NP		NP		NP		540	D	180	D	250	D	78		3.0	
n-Heptane	142-82-5	20.5		8.2		14.3	J	10		4.3		5.4		3.2		ND	
n-Hexane	110-54-3	114		18.7		ND		ND		ND		ND		ND		ND	
Naphthalene	91-20-3	3.3		9.96		5.24	J	ND		ND		ND		ND		ND	
o-Xylene	95-47-6	NP		NP		NP		36		10		15		3.7		ND	
p- & m- Xylenes	179601-23-1	NP		NP		NP		130		35		54		12		ND	
Xylenes (total)	1330-20-7	116.9		132.4		273.6		166		45		69		15.7		ND	
p-Ethyltoluene	622-96-8	26.1		6.88		5.41	J	4.4		2.8		3.2		ND		ND	
Styrene	100-42-5	ND		9.79		5.96	J	3.6		ND		ND		ND		ND	
Tert-Butyl Alcohol	75-65-0	6.67		ND		22.4		ND		ND		ND		ND		ND	
Tetrachloroethylene (PCE)	127-18-4	1.7	J	0.41	J	91.6		ND		ND		ND		ND		ND	
Tetrahydrofuran	109-99-9	10.3		2.01		ND		ND		ND		ND		ND		ND	
Toluene	108-88-3	33.9		24.9		39.6		470	D	170	D	200	D	74		4.3	
Trichloroethylene (TCE)	79-01-6	1.61	J	ND		9,136		ND		ND		ND		ND		ND	
Trichlorofluoromethane (Freon 11)	75-69-4	1.74	J	1.18	J	ND		ND		ND		ND		ND		ND	
Vinyl Chloride	75-01-4	NP		NP		NP		ND		ND		ND		ND		ND	

Notes:
Detections above the reporting limit (RL) and NYSDOH Matrix Compounds are shown in the table
ug/m3: microgram per cubic meter
Langan was only provided with detected compounds for sub-slab samples collected in 2013 by Assessment Resources & Technologies, Inc.
NP: Data not provided, but potentially analyzed
ND: Result is below the RL

Q is the Qualifier Column with definitions as follows:
J: Analyte detected at or above the MDL (method detection limit) but below the RL - data is estimated
D: result reported from diluted analysis