
1015 ATLANTIC AVENUE SITE
1013-1015 ATLANTIC AVENUE
BROOKLYN, NEW YORK 10035
Block 2019, Lot No. 51

**REMEDIAL INVESTIGATION
REPORT**

April 2020

Prepared for:

1015 Holdings LLC
143 Division Avenue
Brooklyn, NY 11211



ENVIRONMENTAL BUSINESS CONSULTANTS

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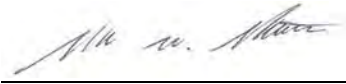
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LIST OF ACRONYMS

Acronym	Definition
AOC	Area of Concern
AST	Aboveground Storage Tank
BCP	Brownfields Cleanup Program
BCA	Brownfield Site Cleanup Agreement
CVOC	Chlorinated VOC
ESA	Environmental Site Assessment
EBC	Environmental Business Consultants
IRM	Interim Remedial Measure Work Plan
NYCDEP	New York City Department of Environmental Protection
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
PID	Photo-Ionization Detector
PCB	Polychlorinated Biphenyls
PFAS	Per- and Polyfluoroalkyl Substances
REC	Recognized Environmental Condition
RI	Remedial Investigation
RIWR	Remedial Investigation Work Plan
SVOC	Semi-Volatile Organic Compound
UST	Underground Storage Tank
VOC	Volatile Organic Compound

REPORT CERTIFICAION

I, Keith Butler, certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10) and that all activities were performed in full accordance with the DER-approved work plan and any DER-approved modifications.

A handwritten signature in dark ink, appearing to read "Keith W. Butler", is written above a solid horizontal line.

Keith W. Butler
Senior Project Manager

Date: 10/13/2020

1.0 INTRODUCTION

1.1 Project Background

This Remedial Investigation Report (RIR) was prepared on behalf of 1015 Holdings LLC for the property located at 1013-1015 Avenue in the Bedford-Stuyvesant section of Brooklyn, New York 11238 (hereafter referred to as the Site). An application for acceptance into the New York State Brownfield Cleanup Program (BCP) was submitted to the New York State Department of Environmental Conservation (DEC). On May 17, 2019, 1015 Holdings LLC was notified that the Site was accepted into the BCP with 1015 Holdings LLC classified as a Volunteer. The Brownfield Cleanup Agreement (BCA) was fully executed on September 5, 2019.

The purpose of this Remedial Investigation Report is to collect data of sufficient quality and quantity to characterize the nature and extent of residual contamination associated with the underground storage tanks (USTs) and/or historic Site operations, to complete a qualitative exposure assessment for future occupants of the proposed building and the surrounding community, and to evaluate alternatives to remediate the contamination.

The overall objectives of the project are to prepare the Site for unrestricted or restricted residential use and to remediate known and unknown environmental conditions at the Site to the satisfaction of the NYSDEC and the New York State Department of Health (NYSDOH).

The field work portion of the RI was conducted by EBC from February 2020 through March 2020, with additional sampling conducted in August 2020. In addition, a data collected as part of a Phase II Subsurface Investigation conducted in August and October 2018 has also been incorporated.

1.2 Site Location and Description

The street address for the Site is 1015 Atlantic Avenue, Brooklyn, NY 11238 (**Figure 1**). The Site is located in the Bedford-Stuyvesant neighborhood of the Borough of Brooklyn, City of New York, Kings County and is comprised of portion of a single tax parcel (Block: 2019, Lot No. 51) totaling 7,650 square feet (0.175 acres). The irregular-shaped parcel has approximately 96.87 feet of street frontage along Atlantic Avenue and 128.25 feet of street frontage along Classon Avenue (**Figure 2**).

The Site is developed with a gasoline filling station with a single-story auto repair shop with three service bays and three dispenser islands in the south and east portions of the Site. There are three underground storage tanks registered to the property and which remain in use including: a 4,000 gallon diesel fuel tank, a 12,000 gallon gasoline tank and a 6,000 gallon gasoline tank. Fifteen 550 gallon tanks were previously removed from the property in 1999.

The elevation of the Site ranges from 41 to 44 feet above the National Geodetic Vertical Datum (NGVD). The topographic gradient of the surrounding area slopes gently downward to the northeast. The depth to groundwater beneath the Site was measured at 71.74 to 72.96 feet below grade, which is consistent with the estimated depths of 70-75 feet. Based upon survey data collected from the

three onsite wells in August 2020 during the supplemental sampling event, groundwater flows generally to the northeast, which is also consistent with the regional trend.

The area immediately surrounding the Site is a densely developed urban area, consisting primarily of residential and mixed-use (commercial/retail and residential) properties. The Lefferts Houses apartment complex (128 Lefferts Place) is to the north, followed by Lefferts Place, with apartment buildings beyond; Atlantic Avenue is to the south, followed by a CubeSmart Self Storage facility (1050 Atlantic Avenue); Classon Avenue is to the east, followed by an auto/tire repair shop (1025 Atlantic Avenue) and a church (597 Classon Avenue); and a mixed-use (retail/residential) building (1007 Atlantic Avenue) is to the west, followed by a commercial/industrial building, with a parking lot and auto parts store beyond.

1.3 Redevelopment Plans

The proposed redevelopment project consists of demolishing the existing service station facility and constructing a 6-story, 38-unit multi-family residential building, with a single basement level.

1.4 Site History

The Site was comprised of ten small tax parcels, nine of which fronted east along Park Avenue, with the tenth fronting south, along E. 126th Street, by 1896. Each of the parcels was developed with a single 4-story building occupying the majority of the parcel footprint, with a small rear yard area. The use of the buildings was not identified in 1896, although each was noted to be mixed-use (retail/residential) by 1911, including a Chinese laundry. By 1939, a small 1-story auto repair shop was present at the northwestern corner of the property. The auto repair facility was demolished by 1951. The two southernmost parcels (one along Park Avenue and the other along E. 126th Street) were undeveloped by 1968. Between 1979 and 1980, the building at 1846 Park Avenue was demolished. The 1854 and 1856 Park Avenue buildings were demolished by 1986. Between 1991 and 1992, the northwestern corner was developed with a small 1-story auto repair shop. The remaining commercial/retail and residential buildings were demolished between 1996 and 2001, with the auto repair shop demolished circa 2008. Central portions of the property appear to have been utilized as an equipment storage yard through the mid-2010s, when the property was converted to the existing parking lot facility. Further details on the Site history are presented in Section 1.5.1.

1.5 Summary of Previous Investigations

Environmental investigations performed at the Site include the following:

- Phase I Environmental Site Assessment - Middleton (September 2014)
- Phase II Subsurface Investigation - EBC (September 2018)
- Phase I Environmental Site Assessment, EBC, March 2019.

Copies of the previous reports are provided in digital form in **Attachment A**.

1.5.1 September 2014 – Phase I Environmental Site Assessment (Middleton)

Middleton reported that fifteen 550-gallon USTs were removed in 1999 along with a 3,000-gallon

diesel fuel storage tank. The property owner supplied documentation which indicated that these tanks were removed by Arek Petro Corp between September 28 and October 14, 1999. Although there were no spill reports pertaining to this removal project, there was no soil quality information available for review pertaining to this removal project.

Middleton also observed the presence of one floor drain inside the service area of the building and one storm water drywell outside the building.

The Phase I identified the Subject Property as a listed E-Designation Site under CEQR 07DCP066K that was promulgated on July 25, 2007 for possible hazardous materials and noise impacts. The E Designation would require that the owner of the site conduct a testing and sampling protocol and remediation (where appropriate), to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings should any redevelopment of the Subject Property occur.

Middleton identified the following Recognized Environmental Conditions (REC):

- possible contamination associated with an on-site storm water drywell, and;
- the former underground storage tank area

Middleton recommended that soil samples be collected from the perimeter of the tank bed area to determine if any contamination from past tank leakage has impacted the subsurface. The report also recommended dye testing the floor drain to determine its discharge endpoint and sampling the on-site storm water drywell to determine if any contamination from past improper chemical disposal has impacted the subsurface.

1.5.2 September 2018 – Phase II Subsurface Investigation Report (EBC)

Field work for the Subsurface Investigation was performed on August 9, 2018. Prior to the installation of soil borings, a geophysical survey was performed to locate and mark-out the location of any underground storage tanks. Field work consisted of the installation of eight soil borings (SB1 through SB8). The depth to groundwater was estimated to be 70-75 feet below surface and was not encountered during the investigation.

Eight soil samples were analyzed for VOCs by EPA method 8260 and SVOCs by EPA method 8270. In addition three samples representative of fill materials encountered were analyzed for target analyte list (TAL) metals.

The Report concluded the following:

Soil at the Site consists of fill material to a depth between 5 to 10 feet below grade underlain by silt and clay from 10 to 20 feet across the Site. Concrete possibly related to the removal of the former 50 gallon USTs was encountered at one location at 15 feet below grade. Groundwater is approximately 70 to 75 feet below grade and was not encountered during the subsurface investigation.

The fill materials at the Site contain elevated levels of SVOCs and metals including barium, lead and mercury.

Petroleum impacted soil encountered at soil boring SB8 appears to be related to a former release in the vicinity of the tanks. Since the contamination was encountered at the 18-22 foot level and not in shallow soil, it is likely related to the tanks and not the dispensers or piping. Given that both in-service gasoline tanks are constructed of double wall fiberglass reinforced plastic (FRP) with interstitial monitoring, it is unlikely that the contamination is related to the existing tank system. Based on the constituents present in soil which show enrichment in xylenes and trimethylbenzene, and deficiency in benzene, this is an older spill that is probably related to the former 550-gallon USTs.

Based on the findings of this investigation, the historic use of the property as a gas station, has impacted the soil quality beneath the building. Given that the groundwater is deep in this area at a depth of approximately 75 feet below the surface, it is unlikely to be impacted.

Remediation of the Site will be required during redevelopment under a work plan approved by both the NYSDEC and the NYCOER. As this is a “facility” as defined by the NYSDEC, a spill must be reported by the owner of the facility (Spill No. 1806331).

Sampling conducted during this Phase II investigation, as well as laboratory analytical results are also discussed/summarized throughout this RI.

1.5.3 March 2019 – Phase I Environmental Site Assessment (EBC)

EBC was able to establish a history for the Site based upon the on a review of Sanborn Maps, historic aerial photos, historic topographic maps and city directories. According to these historic documents, the subject property was shown as seven small parcels fronting south and east along Atlantic and Classon Avenues. Each of these parcels was developed with a low-rise 2- or 3-story residential or retail building by at least 1888. Commercial/retail uses included a bakery, a painter and a carpenter. Between 1924 and the late-1930s, with retail and residential buildings were demolished and the site redeveloped with a 1-story service station building (north-central) and a 1-story restaurant building (southwest). Circa 1966, the restaurant building was demolished and the site was redeveloped with the existing building, occupied by a service station.

Based on the results of the site inspection, records review and interviews, it was determined that there was one recognized environmental condition (REC) identified for the Site. RECs are those conditions, which could adversely affect the environmental integrity of the property. The REC is summarized below:

- Information from various historic sources indicates that the site was historically operated as a service station and/or garage/auto repair facility, with multiple underground storage tanks (USTs) from the late-1930s through the mid-2010s. Fifteen 550-gallon USTs were reportedly removed circa 1999; however, copies of the closure documents/investigation were not provided for review. In addition, based upon a subsurface investigation conducted in 2018, residual petroleum impacts were identified in site soils and a New York State Department of Environmental Conservation (NYSDEC) spill number assigned to the site. Finally, semi-volatile organic compound (SVOC) and metals-impacted urban fill material were also identified at the site. The historic use of the site as a service station, including the presence of multiple USTs, the documented presence of petroleum-impacted soils, SVOC

and metals-impacted fill and the presence of an open NYSDEC spill number is considered a REC.

In addition to the aforementioned RECs, EBC also identified several environmental concerns (ASTM Non-Scope issues/Business Environmental Risks [BERs]), which are summarized as follows:

- The subject property is identified as having an E-HazMat and Noise restrictions (E-183), which were determined during the Fort Green/Clinton Hill Rezoning completed by the City in July 2007 (CEQR 07DCP066K). The Hazardous Materials designation indicates that there is a potential for soil and groundwater beneath the Site to be impacted by historic operations at the Site or adjacent properties. As such, the property requires an environmental assessment and review by the New York City Office of Environmental Remediation (NYCOER) to determine if the current and/or historic use of the property has impacted the subsurface and if additional investigation/remediation is warranted. The Noise E-Designation requires a minimum 35 decibels (dBA) attenuation level for indoor spaces and alternative ventilation to achieve an acceptable indoor noise environment of 45 dBA. Both the HazMat and Noise E-designations require the issuance of a Notice to Proceed by the NYCOER before the property can be redeveloped. The presence of E-HazMat and Noise designations are considered a BER.
- The site inspection identified the presence of a suspected groundwater monitoring well at the northeastern portion of the site. The nature of this well is unknown, although is likely associated with the previous investigations conducted to investigate/remediate petroleum spills associated with the former onsite service station. The nature of this well should be confirmed and if it is not part of an on-going groundwater monitoring/remediation program, then it should be abandoned in accordance with applicable regulations.
- Fluorescent light ballasts were observed within the office/customer waiting areas as viewed through exterior windows, which based on the age of the building, may polychlorinated biphenyls (PCBs). The disposal of leaking PCB ballasts is subject to federal regulations. No evidence of leakage associated with observed light ballasts was apparent as viewed from ground level. Based on the age of the structure and the potential for the fluorescent light ballasts to contain PCBs, the light ballasts are considered an environmental concern for the site.
- No suspected asbestos-containing material (ACM) were observed during the site inspection; however, as the interior of the site building was not accessible at the time of the site inspection, EBC makes no representations regarding the presence of suspect ACM within this structure. Due to the age of the building, it is possible that roofing, roof flashing and other (inaccessible) building materials may contain asbestos. No sampling of suspect ACM was conducted in coordination with this Phase I ESA.

2.0 REMEDIAL INVESTIGATION

2.1 Field Investigation

The field work portion of the RI was conducted by EBC from February 6, 2020 through March 10, 2020, with additional sampling conducted in August 2020. Further, sampling conducted during an August 2018 Phase II Subsurface Investigation (amended in October 2018) have also been incorporated. The field investigation consisted of a geophysical survey, environmental sampling, field observations and measurements to determine:

- Local geologic/hydro geological conditions;
- The presence/absence of underground storage tanks;
- Definition of source areas;
- Potential migration of contaminants from the Site to surrounding areas; and,
- Overall characterization of site-related contamination in all media.

The field effort included the collection and analysis of soil, groundwater and soil vapor samples. Laboratory services for soil, groundwater and soil vapor analysis were provided by Phoenix Environmental Laboratories of Manchester, CT (NY Cert No. 11301) and Alpha Analytical of Mansfield, MA (NY Cert No. 11627). A sample matrix showing the number, type and analysis of samples collected during the Remedial Investigation is provided as **Table 1**.

2.2 Deviations from the Remedial Investigation Work Plan

The following changes were made in performing the Remedial Investigation:

- The well elevation survey was not completed prior to work being suspended due to the coronavirus pandemic. As such, well gauging and survey information was subsequently obtained in August 2020.
- Due to a sampling error soil samples from boring 19B3 were only analyzed for emerging contaminants. Samples for VOC, SVOC, pesticides, PCBs and metals were subsequently obtained from boring 19B3R installed in August 2020.
- To further delineate contamination identified in shallow (0-4') soil samples from borings 19B7 and 19B8, additional (deeper) samples were subsequently obtained from boring 19B7R and 19B8R installed in August 2020.

2.3 Geophysical Investigation

A geophysical survey was conducted on Site as part of EBC's September 2018 Phase II Subsurface Investigation (see Section 1.5.2). The survey was conducted on August 9, 2018 by Nova Geophysical Services under the oversight and direction of EBC. A prior February 2016 survey was also conducted at the site by Nova and EBC. The surveys were conducted using a Noggin 250 MHz ground-penetrating radar (GPR) and a 3M Dynatel utility locator.

The survey identified three anomalies at the east-central portion of the site and south of the building, which are consistent with the three existing USTs. Two additional anomalies, one an approximate

12 by 25 foot area at the northeastern portion of the site and another approximately 5 by 8 foot area adjacent to the east of the building. Several additional small anomalies consistent with hydraulic lifts and floor drains were also identified within the site building. The locations of the known USTs and geophysical survey anomalies are shown on **Figure 3**.

2.4 Soil Sampling

2.4.1 Soil Borings

A total of eight soil borings (19B1 through 19B8) were advanced between February 6 and March 5, 2020, to identify source areas and to obtain general soil quality information present at the Site. Three additional borings (19B3R, 19B7R and 19B9R) were also installed in August 2020 to supplement data obtained during the February and March 2020 sampling. Ten borings (SB1 through SB10) were also installed as part of the August 2018 Phase II Investigation, which were installed to assess the environmental condition of the property, including potential impacts related to its long-term historic use as a service station/auto repair shop and the nature and extent of fill materials. In addition, deeper samples were subsequently obtained from boring SB8 in October 2018 to delineate the vertical extent of VOC impacts. Boring locations are shown on **Figure 3**.

Soil borings 19B1 and 19B2 were completed using a rotary drill rig equipped with hollow stem augers. Soil samples from these borings were collected every five feet from grade to the water table using standard 2-inch x 24-inch split spool samplers. Borings 19B4 through 19B8 and 19B3R were completed using a Geoprobe™ Model 6712DT direct push rig equipped with a dual-tube sampling system and five-foot long macrocore samplers fitted with disposable acetate liners. Samples from these borings were collected continuously from grade to depths of 25 feet or the “clean” interval immediately below and soil contamination (if encountered). Borings SB1 through SB8, 19B7R and 19B8R were also completed using a Geoprobe™ Model 6712DT direct push rig equipped with a dual-tube sampling system and five-foot long macrocore samplers fitted with disposable acetate liners. Borings SB1, SB2, and SB6 through SB10 were sampled continuously from grade to terminal depths of 20 feet below grade. Boring SB3 was advanced to drilling refusal at 14 feet below grade, borings SB4 and SB5 were advanced to a terminal depth of 5 feet below grade, and borings 19B7R and 19B8R were advanced to terminal depths of 12 feet below grade.

Soil recovered from each soil boring was characterized by an experienced environmental professional and field screened for the presence of volatile organic compounds (VOCs) using a photoionization detector (PID). Observations were recorded in a bound project dedicated field book which was used to prepare a boring log for each location. Recorded observations include sample depth, sample recovery, soil type evidence of water (if encountered), PID reading and physical evidence of contamination (odor, staining, sheen, etc.). Soil boring logs are provided in **Appendix A**.

Nine (9) soil samples were retained for analysis from the ten soil borings drilled in August 2018, with two (2) additional (deeper) soil samples subsequently collected from boring SB8 in October 2018, to vertically delineate VOC impacts noted in sample SB8 (18-20'). Sixteen (16) soil samples were retained for analysis from the eight soil boring locations drilled in February and March 2020, including two duplicate samples. Five additional soil samples, including one duplicate were collected from three borings drilled during the August 2020 sampling event.

Samples were collected in pre-cleaned, laboratory supplied glassware, stored in a cooler with ice and submitted for analysis to Phoenix Environmental Laboratories (Phoenix) of 587 East Middle Turnpike, Manchester, CT 06040 and Alpha Analytical (Alpha), 320 Forbes Boulevard, Mansfield, MA 02048, both New York State ELAP certified environmental laboratories (ELAP Certification Nos. 11301 and 11627). Samples from the 2018 Phase II investigation include six samples that were analyzed for VOCs (USEPA Method 8260) and SVOCs (USEPA Method 8270) and three samples analyzed for TAL metals (USEPA Methods 6010/7471). The October 2018 samples obtained from boring SB8 were analyzed for CP-51 List VOCs (USEPA Method 8260) and SVOCs (USEPA Method 8270) and used to vertically delineate VOC impacts identified in sample SB8 (18-20'). Samples collected during the February/March RI and submitted to Phoenix were analyzed for VOCs (USEPA Method 8260), SVOCs and 1,4-dioxane (USEPA Method 8270), TAL metals (USEPA Methods 6010/7471), and pesticides and polychlorinated biphenyls (PCBs) (USEPA Method 8081/8082). Samples submitted to Alpha were analyzed for PFAs (USEPA Method 537). In addition, the two samples collected from boring 19B3R were submitted to Phoenix and analyzed for VOCs, SVOCs, pesticides/PCBs and metals,

As no petroleum-impacts were observed, no additional soil samples were collected for VOC or SVOC analysis during the 2020 RI. However, samples 19B7R (6-9') and 19B8R (6-8') were collected to further delineate elevated SVOC concentrations detected in the shallow (0-4') samples collected from these borings in February/March. These samples were analyzed for VOCs, SVOCs, pesticides/PCBs and metals. Soil sample analytical results were compared to NYSDEC Part 375.6 Unrestricted Use and Residential Restricted SCOs.

2.5 Monitoring Well Installation

Three 2-inch diameter monitoring wells (MW1 through MW3) were installed at the Site between February 26 and March 5, 2020, using a truck-mounted rotary drill rig equipped with 4.25-inch I.D. hollow stem augers. Each of the wells was installed to a depth of approximately 80 feet below grade with 15 feet of 0.010 PVC well screen and 65 feet of PVC riser.

A No. 00 morie filter-pack sand filled the annulus surrounding the screen within two feet above the top of the screen. A one-foot hydrated bentonite seal was then placed on top of the filter sand and the remainder of the borehole was backfilled to grade. Groundwater elevations and monitoring well specifications for each well is provided in **Table 2**. Monitoring well locations are identified in **Figure 4**. Well construction logs detailing monitoring well construction are provided in **Appendix B**. Well surveying was delayed till September due to the implementation of non-essential work limitations due to the corona virus pandemeic. Each of the wells was surveyed to determine relative casing elevation to the nearest 0.01 foot and horizontal position to the nearest 0.1 ft. This data was used to develop a site specific groundwater flow map.

Prior to sampling, a synoptic round of depth-to-groundwater (DTW) measurements were obtained from wells MW1 through MW3 to determine the water table elevation and to calculate the volume of standing water in the well. Depth to water and well construction information are provided in **Table 2**. The groundwater elevation/flow direction map is provided as **Figure 5**.

2.5.1 Groundwater Sampling

Three on-site monitoring wells (MW1 through MW3) were sampled on March 10, 2020. In addition, one duplicate groundwater sample was also collected. Samples were collected from the monitoring wells using low-flow sampling techniques and were monitored continuously until parameters stabilized. A peristaltic pump and polyethylene sampling tube were used to purge and collect samples from each well location. Sample tubing and the silicone pump tubing were replaced between each sample location. Samples were collected directly into pre-cleaned laboratory supplied glassware, stored in a cooler with ice and submitted to Phoenix Environmental Laboratories of Manchester, CT, a New York State ELAP certified environmental laboratory (ELAP Certification No. 11301). Groundwater sampling logs are provided in **Appendix C**.

Each of the groundwater samples collected from the monitoring wells were analyzed for VOCs by USEPA Method 8260, SVOCs by USEPA Method 8260 / 8270, target analyte list (TAL) metals and dissolved metals by USEPA Methods 6010/7471 and Pesticides/PCBs by USEPA Method 8081/8082, PFAS compounds by EPA Method 537 and 1,4-dioxane by EPA Method 8270 SIM.

2.6 Soil Vapor Sampling

Seven on-Site soil vapor samples were collected during the RI. Each of the samples (SG1 through SG7) were collected at a depth of 15 feet below grade on March 10, 2020. Soil vapor sampling locations are shown on **Figures 4 and 8**. All soil vapor samples were collected over a 2-hr sampling period.

Soil vapor samples were collected in accordance with the procedures as described in the *Guidance for Evaluating Soil Vapor Intrusion in the State of New York (NYSDOH 10/06)*.

2.6.1 Installation of Soil Vapor Implants

Seven on-Site soil vapor implants were installed at the Site on February 6 and February 10, 2020. The sub-slab vapor implants were installed using Geoprobe™ equipment and tooling. The vapor probes that were installed were the Geoprobe™ Model AT86 series, which are constructed of a 6-inch length of double woven stainless steel wire. The seven soil vapor probes (SG1-SG7) were each installed to a depth of 15 feet below grade. Each probe was attached to ¼ inch polyethylene tubing which extended approximately 18 inches beyond that needed to reach the surface. The tubing was capped with a ¼ inch plastic end to prevent the infiltration of foreign particles into the tube. Coarse sand was placed in the annular space around the probe and tubing. The remainder of the borehole was sealed with a bentonite slurry to the surface in order to provide an air tight seal.

2.6.2 Surface Seal Test Procedure

Prior to sampling, each sampling location was tested to ensure that a proper surface seal had been accomplished. In accordance with NYSDOH guidance ([NYSDOH Final Guidance on Soil Vapor Intrusion, October 2006](#)), a tracer gas (helium) was used as a quality assurance/quality control device to verify the integrity of the sampling point seal prior to collecting the samples. Prior to testing and collecting samples, the surface immediately surrounding the polyethylene tubing of the vapor implant was sealed using a 1 foot by 1 foot square sheet of 2-mil. HDPE plastic firmly adhered to a wetted layer of granular bentonite. The seal was then tested by enriching the air space above the seal with a tracer gas (helium) while continuously monitoring air drawn from the implant

with a helium detector (Dielectric Model MGD-2002, Multi-Gas Detector) for a minimum of 15 minutes. The tracer gas test procedure was employed at all seven soil vapor sampling locations. No surface seal leaks were observed at any of the locations.

2.6.3 Soil Vapor Sample Collection

Following verification that the surface seal was tight, one to three volumes (i.e., the volume of the sample probe and tube) of air was purged from the implant using a calibrated vacuum pump. After purging, a 6-liter Summa® canister, fitted with a 2-hour flow regulator, was attached to the surface tube of each of the seven vapor implants. Prior to initiating sample collection, sample identification, canister number, date and start time were recorded on tags attached to each canister and in a bound field note book. Sampling then proceeded by fully opening the flow control valve on each canister in turn. Immediately after opening the flow control valve on a canister, the initial vacuum (inches of mercury) was recorded in the field book, on the sample tag and on a sample log sheet (**Appendix D**). When the vacuum level in the canister was between 3 and 6 inches of mercury (approx. 2 hours), the valve was closed and the canisters were detached from the sampling tube.

Sample canisters were picked up the following day by a Phoenix laboratory courier and delivered to the laboratory for analysis of VOCs by USEPA Method TO-15.

2.7 Laboratory Analysis

Data tables summarizing the laboratory results are provided in **Tables 3** through **14** and copies of the laboratory reports (with chains-of-custody) are included in digital format in **Appendix E**. Soil sample results were compared to both Unrestricted Use, Restricted Commercial and Restricted Industrial Soil Cleanup Objectives (SCOs) as promulgated in 6 NYCRR Subpart 375-6. Groundwater results were compared to NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998. Soil vapor analytical results were compared to Outdoor Background Levels for Selected Compounds and sub-slab and indoor air guidance levels as presented in the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 (updated, May 2017). **Table 15** contains a list of parameters detected above Track 1 unrestricted soil cleanup objectives and the range in detections. **Table 16** contains a list of parameters detected above ambient groundwater standards and the range in detections.

2.7.1 Analytical Results – Soil Samples

A total of sixteen (16) soil samples were collected from eight soil borings (19B1 through 19B8) for laboratory analysis of VOCs (USEPA Method 8260), SVOCs and 1,4-dioxane (USEPA Method 8270), TAL metals (USEPA Methods 6010/7471), pesticides/PCBs USEPA Method 8081/8082), and PFAs (USEPA Method 537).

Soil sampling results are summarized in **Tables 3** through **7**. All soil results above Unrestricted Use SCOs are presented in **Table 15** and posted on **Figure 6**. Soil samples collected from the borings had elevated levels of SVOCs, metals and pesticides that exceeded Unrestricted Use and/or Restricted Use SCOs as follows:

Emerging Contaminants in Soil:

19B1 (0-4') – Perfluorobutoanoic acid (PFBA) (0.00005 mg/Kg), perflyoropentanoic acid (PFPeA) (0.000049 mg/Kg), perfluorohexanoic achid (PFHxA) (0.000085 mg/Kg), perfluoroheptanoic acid (PFHpA) (0.000079 mg/Kg), perfluorooctanoic acid (PFOA) (0.000061 mg/Kg)

19B1 (23-25') – Perfluorooctanoic acid (PFOA) (0.00062 mg/Kg), perfluorooctanesulfonic acid (PFOS) (0.000507 mg/Kg), perfluoroundecanoic Acid (PFUnA) (0.000207 mg/Kg)

19B2 (0-4') – Perfluorobutoanoic acid (PFBA) (0.000027 mg/Kg), perflyoropentanoic acid (PFPeA) (0.000056 mg/Kg), perfluorohexanoic achid (PFHxA) (0.00008 mg/Kg), perfluorooctanoic acid (PFOA) (0.000236 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000232 mg/Kg)

19B3 (0-4') – Perfluorohexanoic achid (PFHxA) (0.000065 mg/Kg), perfluorooctanoic acid (PFOA) (0.000131 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000152 mg/Kg)

19B4 (0-4') – Perfluorobutoanoic acid (PFBA) (0.00003 mg/Kg), perfluorohexanoic achid (PFHxA) (0.000062 mg/Kg), perfluorooctanoic acid (PFOA) (0.000231 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000153 mg/Kg)

19B4 (23-25') – Perflyoropentanoic acid (PFPeA) (0.000153 mg/Kg), perfluorohexanoic achid (PFHxA) (0.000182 mg/Kg), perfluoroheptanoic acid (PFHpA) (0.000165 mg/Kg), and perfluorooctanoic acid (PFOA) (0.000752 mg/Kg)

19B5 (0-4') – Perflyoropentanoic acid (PFPeA) (0.000064 mg/Kg), perfluorohexanoic achid (PFHxA) (0.000067 mg/Kg), perfluorooctanoic acid (PFOA) (0.000205 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000064 mg/Kg)

19B5 (23-25') – Perfluorooctanoic acid (PFOA) (0.000082 mg/Kg)

19B6 (0-4') – Perflyoropentanoic acid (PFPeA) (0.000047 mg/Kg), perfluorohexanoic achid (PFHxA) (0.000051 mg/Kg), perfluorooctanoic acid (PFOA) (0.000072 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000171 mg/Kg)

19B7 (23-25') – Perfluorooctanoic acid (PFOA) (0.000047 mg/Kg)

19B8 (0-4') – Perfluorohexanoic achid (PFHxA) (0.00008 mg/Kg), perfluorooctanoic acid (PFOA) (0.000515 mg/Kg), and perfluorooctanesulfonic acid (PFOS) (0.000380 mg/Kg)

VOCs in Soil Above Unrestricted Use SCO:

SB8 (18-20') – Benzene (1.2 mg/Kg), naphthalene (21 mg/Kg), and n-propylbenzene (29 mg/Kg)

SB8 (20-22') – Total xylenes (1.95 mg/Kg)

VOCs in Soil Above Restricted Residential Use SCO:

SB8 (18-20') – 1,2,4-Trimethylbenzene (180 mg/Kg), 1,3,5-trimethylbenzene (52 mg/Kg), ethylbenzene (86 mg/Kg), m&p-xylene (310 mg/Kg), o-xylene (130 mg/Kg), and toluene (250 mg/Kg)

SVOCs in Soil Above Unrestricted Use SCOs:

SB1(8-10') – Benzo(k)fluoranthene (1.7 mg/Kg) and chrysene (2.6 mg/Kg)

19B3R (0-4') – Benzo(k)fluoranthene (0.89 mg/Kg), and chrysene (1.3 mg/Kg)

SVOCs in Soil Above Restricted Residential SCOs:

SB1(8-10') – Benzo(a)anthracene (2.6 mg/Kg), benzo(a)pyrene (1.5 mg/Kg), benzo(b)fluoranthene (2.0 mg/Kg), dibenzo(a,h)anthracene (0.36 mg/Kg), and indeno(1,2,3-cd)pyrene (1.5 mg/Kg)

19B2 (0-4') – Indeno(1,2,3-cd)pyrene (0.5 mg/Kg)

19B3R (0-4') – Benzo(a)anthracene (1.3 mg/Kg), benzo(a)pyrene (1.3 mg/Kg), benzo(b)fluoranthene (1.2 mg/Kg), and indeno(1,2,3-cd)pyrene (0.87 mg/Kg)

19B4 (0-4') – Indeno(1,2,3-cd)pyrene (0.6 mg/Kg)

19B5 (0-4') - Indeno(1,2,3-cd)pyrene (0.67 mg/Kg)

19B7 (0-4') - Benzo(a)anthracene (30 mg/Kg), benzo(a)pyrene (29 mg/Kg), benzo(b)fluoranthene (20 mg/Kg), benzo(k)fluoranthene (19 mg/Kg), chrysene (25 mg/Kg), dibenzo(a,h)anthracene (4.1 mg/Kg), and indeno(1,2,3-cd)pyrene (17 mg/Kg)

19B8 (0-4') - Benzo(a)anthracene (6.9 mg/Kg), benzo(a)pyrene (6.9 mg/Kg), benzo(b)fluoranthene (5.4 mg/Kg), benzo(k)fluoranthene (4.5 mg/Kg), chrysene (6.7 mg/Kg), dibenzo(a,h)anthracene (0.98 mg/Kg), and indeno(1,2,3-cd)pyrene (4.3 mg/Kg)

19B8R (6-8') - Benzo(a)anthracene (1.8 mg/Kg), benzo(a)pyrene (1.5 mg/Kg), benzo(b)fluoranthene (1.2 mg/Kg), benzo(k)fluoranthene (1.4 mg/Kg), chrysene (1.7 mg/Kg), and indeno(1,2,3-cd)pyrene (0.72 mg/Kg)

Pesticides in Soil Above Unrestricted Use SCOs:

19B6 (0-4') – 4,4-DDE (0.0043 mg/Kg) and 4,4-DDT (0.0095 mg/Kg)

19B7 (0-4') - 4,4-DDD (0.062 mg/Kg) 4,4-DDT (0.059 mg/Kg) and dieldrin (0.028 mg/Kg)

Metals in Soil Above Unrestricted Use SCOs:

SB3 (0-2') – Lead (240 mg/Kg), mercury (0.36 mg/Kg), and zinc (159 mg/Kg)

SB5 (0-2') – Copper (61.3 mg/Kg), and zinc (490 mg/Kg)

SB8 (0-2') – Lead (93.1 mg/Kg)

19B1 (0-2') – Lead (100 mg/Kg)

19B1 (2-4') – Nickel (37.3 mg/Kg)

19B2 (0-2') – Lead (79.1 mg/Kg) and zinc (114 mg/Kg)

19B3R (0-4') – Lead (105 mg/Kg) and zinc (389 mg/Kg)

19B4 (0-4') – Lead (87.3 mg/Kg)

19B4 (23-25') – Manganese (38.2 mg/Kg)

19BB5 (0-4') – Lead (88.3 mg/Kg) and manganese (30.6 mg/Kg)

19B7 (0-4') – Barium (381 mg/Kg), lead (499 mg/Kg), manganese (1,990 mg/Kg), mercury (0.97 mg/Kg), and zinc (278 mg/Kg)

19B7R (6-8') – Lead (127 mg/Kg)

19B8 (0-2') – Lead (268 mg/Kg) and zinc (203 mg/Kg)

19B8R (6-8') – Lead (127 mg/Kg)

Metals in Soil Above Restricted Residential SCOs:

SB5 (0-2') – Barium (799 mg/Kg), lead (817 mg/Kg) and mercury (0.87 mg/Kg)

19B7 (0-4') – Lead (499 mg/Kg) and mercury (0.97 mg/Kg)

19B8 (0-2') – Mercury (2.15 mg/Kg)

2.7.2 Analytical Results – Groundwater Samples

A total of four (4) groundwater samples, including one duplicate were collected from three (3) on-site groundwater monitoring wells (MW1 to MW3) for laboratory analysis of VOCs (USEPA Method 8260), SVOCs (USEPA Method 8270), TAL metals (total and dissolved) (USEPA Methods 6010/7471), and pesticides/PCBs (USEPA Method 8081/8082). One sample from monitoring well MW4 was also analyzed for PFAS Compounds (USEPA Method 537) and 1,4-dioxane (USEPA Method 8270).

The results of groundwater samples collected during the RI are summarized in **Tables 8** through **13**. Groundwater samples collected from the monitoring wells exhibited concentrations of several VOCs, metals, and pesticides that exceeded NYSDEC Division of Water, Technical & Operational Guidance Series 1.1.1, Ambient Water Quality Standards and Guidance Values (AWQS), June 1998. Groundwater parameters reported above groundwater standards are presented in **Table 16** and posted on **Figure 7**.

VOCs in Groundwater Above NYSDEC AWQS:

MW1 – Chloroform (7.9 µg/L), ethylbenzene (18 µg/L), o-xylene (29 µg/L), and toluene (22 µg/L)

MW2 – Isopropylbenzene (9.0 µg/L)

MW3 – Isopropylbenzene (9.6 µg/L)

Emerging Contaminants in Groundwater:

MW1 – Perfluorobutoanoic acid (PFBA) (4.6 ng/L), perfluoropentanoic acid (PFPeA) (10.4 ng/L), perfluorobutanesulfonic acid (PFBS) (2.38 ng/L), perfluorohexanoic acid (PFHxA) (7.34 ng/L), perfluoroheptanoic acid (PFHpA) (2.53 ng/L), perfluorohexanesulfonic acid (PFHxS) (0.618 ng/L), and perfluorooctanoic acid (PFOA) (3.83 ng/L)

MW2 – Perfluorobutoanoic acid (PFBA) (9.02 ng/L), perfluoropentanoic acid (PFPeA) (19.2 ng/L), perfluorobutanesulfonic acid (PFBS) (4.91 ng/L), perfluorohexanoic acid (PFHxA) (14.4 ng/L), perfluoroheptanoic acid (PFHpA) (9.42 ng/L), perfluorohexanesulfonic acid (PFHxS) (6.53 ng/L), perfluorooctanoic acid (PFOA) (45.6 ng/L), 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2FTS) (2.45 ng/L), and perfluorooctanesulfonic acid (PFOS) (1.62 ng/L)

MW3 – Perfluorobutoanoic acid (PFBA) (7.79 ng/L), perfluoropentanoic acid (PFPeA) (18.3 ng/L), perfluorobutanesulfonic acid (PFBS) (5.33 ng/L), perfluorohexanoic acid (PFHxA) (13.4 ng/L), perfluoroheptanoic acid (PFHpA) (9.52 ng/L), perfluorohexanesulfonic acid (PFHxS) (5.3 ng/L), perfluorooctanoic acid (PFOA) (38.6 ng/L), 1H, 1H, 2H, 2H-Perfluorooctanesulfonic Acid (6:2FTS) (6.26 ng/L), and perfluorooctanesulfonic acid (PFOS) (1.15 ng/L)

EBC notes that the combined concentration of PFOA and PFOS in each sample is below the USEPA Health Advisory Level of 70 ng/L for drinking water.

SVOCs in Groundwater Above NYSDEC AWQS:

MW1 – Benzo(a)anthracene (0.08 µg/L), bis(2-ethylhexyl)phthalate (100 µg/L) and chrysene (0.13 µg/L)

MW2 – Benzo(a)anthracene (0.05 µg/L), benzo(b)fluoroanthene (0.03 µg/L), benzo(k)fluoroanthene (0.04 µg/L), bis(2-ethylhexyl)phthalate (7 µg/L), chrysene (0.04 µg/L), and indeno(1,2,3-cd)pyrene (0.03 µg/L)

MW3 – Benzo(a)anthracene (0.14 µg/L), benzo(b)fluoroanthene (0.01 µg/L), benzo(k)fluoroanthene (0.01 µg/L), chrysene (0.13 µg/L), and indeno(1,2,3-cd)pyrene (0.06 µg/L)

Dissolved Metals in Groundwater Above NYSDEC AWQS:

MW1 – Manganese (1.11 mg/L) and sodium (58.4 mg/L)

MW2 – Iron (0.39 mg/L), manganese (2.53 mg/L) and sodium (113 mg/L)

MW3 – Manganese (2.71 mg/L) and sodium (86.6 mg/L)

Total Metals in Groundwater Above NYSDEC AWQS:

MW1 – Aluminum (696 mg/L), arsenic (0.223 mg/L), barium (6.69 mg/L), beryllium (0.033 mg/kg), cadmium (0.03 mg/L), chromium (3.31 mg/L), copper (2.74 mg/L), iron (1,470 mg/L), lead (0.836 mg/L), magnesium (706 mg/L), manganese (45.2 mg/L), nickel (5.82 mg/L), silver (0.069 mg/L), sodium (104 mg/L), and thallium (0.0083 mg/Kg).

MW2 – Aluminum (7.16 mg/L), iron (15.1 mg/L), magnesium (38.6 mg/L), manganese (2.75 mg/L) and sodium (113 mg/L)

MW3 – Aluminum (6.16 mg/L), iron (10.7 mg/L), magnesium (36.5 mg/L), manganese (2.95 mg/L) and sodium (88.5 mg/L)

As demonstrated by the filtered samples, these detections are a function of suspended solids in the sample and are not representative of metals concentrations dissolved in the groundwater.

2.7.3 Analytical Results – Soil Vapor Samples

In order to determine the vapor quality in the soil beneath the Site soil vapor samples were collected from seven soil vapor implants (SG1 – SG7 installed across the Site. Analytical results were compared to the compounds listed in Table 3.1 of the Air Guideline Values Derived by the NYSDOH located in the New York State Department of Health (NYSDOH) Final Guidance for Evaluating Soil Vapor Intrusion, dated October 2006, and revised May 2017.

Total petroleum-related VOCs (BTEX compounds) were detected in all seven on-site soil vapor samples, ranging from 21.63 $\mu\text{g}/\text{m}^3$ in SG5 to 319.8 $\mu\text{g}/\text{m}^3$ in SG1. Individual BTEX compounds included benzene (max. 121 $\mu\text{g}/\text{m}^3$), ethylbenzene (122 $\mu\text{g}/\text{m}^3$), toluene (max. 19.7 $\mu\text{g}/\text{m}^3$), m&p xylenes (max. 64.7 $\mu\text{g}/\text{m}^3$) and o-xylene (max. 12.1 $\mu\text{g}/\text{m}^3$).

One or more chlorinated VOCs (CVOCs) were also detected in each of the seven on-site soil vapor samples, including PCE, TCE, cis-1,2-dichloroethene (Cis-1,2,DCE), carbon tetrachloride, and methylene chloride, but at concentrations below their respective monitoring level ranges established within the State DOH soil vapor guidance matrix. Total CVOC concentrations ranged from 15.4 $\mu\text{g}/\text{m}^3$ in sample SG1 to 53.98 $\mu\text{g}/\text{m}^3$ in sample SG3.

Four compounds are considered in NYSDOH Decision Matrix A: TCE, cis-1,2-dichloroethene (Cis-1,2,DCE), 1,1-dichloroethene (1,1-DCE) and carbon tetrachloride. TCE was detected in two of the seven samples at concentrations of 0.7 $\mu\text{g}/\text{m}^3$ (SG7) to 5.03 $\mu\text{g}/\text{m}^3$ (SG2). Cis-1,2-DCE was detected in one of the seven samples at a concentration of 0.76 $\mu\text{g}/\text{m}^3$ (SG2). 1,1-DCE was not detected in any of the seven samples at concentrations above its laboratory method detection limit (MDL). Carbon tetrachloride was detected in four of the seven samples at concentrations ranging from 0.31 $\mu\text{g}/\text{m}^3$ (SB6) to 0.9 $\mu\text{g}/\text{m}^3$ (SG5).

Three compounds are considered in NYSDOH Decision Matrix B: PCE, 1,1,1-Trichloroethane, and Methylene Chloride. PCE was detected in each of the seven samples at concentrations ranging from 15.4 $\mu\text{g}/\text{m}^3$ (SG1) to 50.8 $\mu\text{g}/\text{m}^3$ (SG3). 1,1,1-Trichloroethane was not detected in any of the seven samples at concentrations above its laboratory MDL). Methylene Chloride was detected in five of the seven samples at concentrations ranging from 3.18 $\mu\text{g}/\text{m}^3$ (SG3) to 4.93 $\mu\text{g}/\text{m}^3$ (SG2).

One compound is considered in NYSDOH Decision Matrix C: Vinyl chloride. This compound was not detected in any of the samples at concentrations above its laboratory MDL.

Soil vapor results are summarized on **Table 14** and posted on **Figure 8**.

2.7.4 Data Usability Summary Report

Data validation services have been requested from Koman Government Solutions, LLC (KGS) of Westborough, Massachusetts. KGS reported that, the data is acceptable with some minor issues that are identified in the accompanying data validation reviews. Therefore, the data may be used for

decision making purposes. In addition, the electronic data deliverables (EDDs) package was submitted and successfully uploaded to the NYSDEC. The Data Usability Summary Reports prepared by KGS and an e-mail verifying submission of the EDDs are provided in Appendix F.

3.0 HYDROGEOLOGIC ASSESSMENT AND PHYSICAL SETTING

3.1 Site Topography

The topography of the site and surrounding area was reviewed from the United States Geological Survey (USGS) 7.5-minute series topographic map for the Brooklyn, NY Quadrangle. The elevation of the subject property is approximately 80 feet above mean sea level (amsl). The subject property is relatively flat with the general topographic gradient sloping downward to the north-northeast.

3.2 Surrounding Land Use

The Site is located within a densely developed, mixed-use urban area of Brooklyn, known as Bedford-Stuyvesant, and is zoned for residential (R71) with a C2-4 commercial overlay. The Lefferts Houses apartment complex (128 Lefferts Place) is to the north, followed by Lefferts Place, with apartment buildings beyond; Atlantic Avenue is to the south, followed by a CubeSmart Self Storage facility (1050 Atlantic Avenue); Classon Avenue is to the east, followed by an auto/tire repair shop (1025 Atlantic Avenue) and a church (597 Classon Avenue); and a mixed-use (retail/residential) building (1007 Atlantic Avenue), followed by a commercial/industrial building, with a parking lot and auto parts store beyond.

3.3 Regional Geology / Hydrogeology

According to the USGS Ground Water Atlas of the United States, New York region (1995) and the USGS Hydrogeologic Framework of Long Island, New York, the site is situated within the Coastal Plain physiographic province. The Coastal Plain physiographic province is characterized by layers of Cretaceous age sediments (primarily clay, sand and gravel) overlying igneous and metamorphic rocks that crop out in Connecticut. The surface of these rocks slopes to the southeast, and the overlying Coastal Plain sediments slope and thicken in the same direction. Quaternary glacial deposits (primarily outwash sand and gravel) cover the Coastal Plain sediments on Long Island to depths of as much as 600 feet. In the area of the site, bedrock is present at a depth of approximately 200 feet below grade and is overlain by the Unit, the Jameco Aquifer, Gardiner's Clay, and the Upper Glacial Aquifer, with the Lloyd Aquifer, Raritan Confining, and Magothy Aquifer absent from the geologic sequence.

3.4 Site Geology / Hydrogeology

Subsurface soils at the Site consists of brown silty sand, mixed with fill material (brick and concrete fragments) from grade to depths of approximately five to 10 feet below grade, underlain by brown fine to medium-grained sand with mixtures of clay, silt and gravel to a depth of at least 25 feet below grade. Some borings did show less sand and notably more silt and clay between 10 and 20 feet below grade. Petroleum odors and staining were noted in borings SB2 at 5 to 10 feet below grade and borings SB8, 19B1, 19B2, 19B3 and 19B4 between 12 and 22 feet below grade. Soil Boring logs are included in **Appendix A**.

Groundwater at the Site is present under water table conditions at measured depths of 71.74 to 72.96 feet below grade, which is consistent with the estimated depths of 70-75 feet (**Table 2**). Based upon survey data collected from the three onsite wells in August 2020 during the supplemental sampling event, groundwater flows generally to the northeast, which is also consistent with the regional trend (Figure 5).

4.0 NATURE AND EXTENT OF CONTAMINATION

4.1 Identification of Source Areas

Petroleum VOC contamination was documented at the south-central portion of the Site in the vicinity of boring SB8 completed in 2018. These impacts were attributed to spills or releases from the fifteen 550-gallon USTs removed from the site in 1999. In addition, the borings completed at the south-central and southeastern portions of the Site during the RI (19B1 through 19SB4). Also exhibited evidence of petroleum odors and staining from approximately 12 to 2 feet below grade. These impacts are limited to this horizon (12 to 22') as evidenced by the samples collected from the 22-24 and 23 to 25 foot intervals, which contained trace to no petroleum related VOCs. This impacted area is estimated to be approximately 50 by 60 feet and is consistent with impacts from historic USTs.

Historic fill materials have been identified across the Site extending to depths between 5 and 10 feet below grade. Depending on location, the historic fill material contains SVOCs, pesticides, and one or more metals including barium, copper, lead, mercury, nickel, and zinc above unrestricted and/or restricted use SCOs. Most notably were SVOC impacts in samples SB1 (8-10'), 19B3R (0-4'), 19B7 (0-4'), 19B8 (0-4') and 19B8R (6-8') and pesticide impacts in samples 19B6 (0-4') and 19B7 (0-4').

4.2 Groundwater Impacts

Several petroleum-related VOCs, including ethylbenzene, o-xylene and toluene were detected in one of the three groundwater samples at concentrations slightly above their NYSDEC Ambient Water Quality Standard (AWQ). In addition, the VOCs chloroform and isopropyl benzene were also detected in one or more of the groundwater samples at concentrations slightly above their respective AWQs. Although, consistent with the historic use of the site, no VOCs were detected in deep soil samples collected at the site. Further this well represents the presumed hydraulically upgradient location at the site. As such, it appears that the presence of these VOCs appears attributable to an off-site source or generally degraded regional water quality.

Between three and six SVOCs, including benzo(a)anthracene, benzo(b)fluoranthene, benzo(k)fluoranthene, bis(2-ethylhexyl)phthalate, chrysene, and indeno(1,2,3-cd)pyrene were detected in each of the three groundwater samples collected/analyzed, with concentrations exceeding their respective AWQs. These compounds were detected in most of the shallow soil samples (0 to 4') at low to elevated concentration, which is consistent with the presence of urban fill. However, they were not identified in any of the deep (22-24' or 23-25') samples.

Three dissolved metals were detected above standards, including iron, manganese and sodium in most of the wells. These metals are consistent with general groundwater quality throughout the area.

Low to moderate levels of PFAS compounds were detected in each of the three groundwater samples collected from the site (MW1 through MW3). The combined PFOA and PFOS concentration measured in these samples (3.8 to 47.2 ng/L) are below above the USEPA Health Advisory Level of 70 ng/L.

4.3 Soil-Vapor Impacts

Petroleum-related VOCs were generally identified at low to moderate levels in soil vapor samples, and consistent with typical levels with total BTEX concentrations ranging from 21.63 to 319.8 ug/m³, with only 1 sample exceeding 45 ug/m³. One or more chlorinated VOCs, including PCE, TCE, cis-1,2-dichloroethene (Cis-1,2,DCE), carbon tetrachloride, and methylene chloride were identified in each of the seven soil vapor samples collected across the Site, but at concentrations below their respective NYSDOH mitigation values. Acetone was reported in moderate to high concentrations (28.3 to 1,540 ug/m³) in each of the seven samples and its presence is likely associated with laboratory cross contamination. Several other petroleum-related VOCs, including ethanol (128 ug/m³), heptane (1,160 ug/m³), and hexane (638 ug/m³) were also present at elevated levels in sample SG1.

4.4 Site Conceptual Model

VOC contamination at the Site consists of high concentrations of petroleum-related VOCs in soil (18-22 feet below grade) at the south-central portion of the property (surrounding boring SB8). Evidence of moderately deep (12 to 20 feet below grade) petroleum-impacts was also observed in the area of borings 19B1 through 19B4. This area is consistent with the locations of 15 historic 550-gallon USTs removed from the site in 1999, as well as the current gasoline USTs and dispensers. This area appears limited in vertical extent as evidenced by deep (22-24 and 23-25') samples collected from borings SB8 and 19B1 through 19B4. As such, it appears likely that these impacts are related to spills or releases attributable the former USTs.

The SVOCs, pesticides and metals, as well as limited VOCs reported in shallow soil across the Site are related to the presence of documented fill materials, which were mostly likely placed on-site during to demolition of prior site buildings and/or prior to the initial development of the Site.

Groundwater is impacted with low-levels of petroleum-related VOCs and SVOCs, which although were detected in shallow Site soils, appear attributable to an off-site source and/or degraded regional groundwater quality given the absence of these compounds in deeper soil (22-25 foot) samples collected at the Site and the deep (70+ feet) depth to groundwater.

5.0 QUALITATIVE EXPOSURE ASSESSMENT

The objective of the qualitative exposure assessment under the Brownfields Cleanup Program (BCP) is to identify potential receptors to the contaminants of concern (COC) that are present at, or migrating from, the Site. The identification of exposure pathways describes the route that the COC takes to travel from the source to the receptor. An identified pathway indicates that the potential for exposure exists; it does not imply that exposures actually occur. An exposure pathway has five elements; a contaminant source, release and transport mechanisms, point of exposure, route of exposure and a receptor population.

The potential exposure pathways identified below, represent both current and future exposure scenarios.

5.1 Contaminant Source

Source areas of the Site include petroleum-related VOCs in soil at the south-central and southeastern portions of the Site, in the vicinity of existing gasoline USTs and borings SB8 and 19B1 through 19B4 and SB8. The impacts in this area, appears limited, as they did not extend to the deep soil samples (22-24' and 23-25') at these locations, nor were VOCs impacts identified in shallow samples elsewhere across the site.

Elevated levels of SVOCs, pesticides, and metals are also present in fill materials throughout the Site, extending to depths of approximately 5 to 10 feet. Most notably in the vicinity of borings SB1, 19B7 and 19B8/19B8R.

5.2 Contaminant Release and Transport Mechanism

Petroleum contamination is present in intermediate depth (12 to 22 feet below grade) soil at the south-central and southeastern portions of the Site. However, these impacts appear limited to horizontally to an approximate 50 by 60 foot area and horizontally, with no direct contact to groundwater.

Minimal petroleum impacts to groundwater were identified in one of three monitoring wells on-site which appears attributable to off-site sources or generally degraded regional water quality. The presence of silt and clay at depths of 10 to 20 feet across portions of the Site appears to have limited the downward migration of petroleum impacts.

There does not appear to be any migration of petroleum or chlorinated VOCs in soil vapor either on the property or migrating from the property.

5.3 Point of Exposure, Route of Exposure and Potentially Exposed Populations

Potential On-Site Exposures: Remediation workers and construction workers engaged in the excavation of impacted and non-impacted soil/fill material at the site may be exposed to petroleum-related VOCs, SVOCs, pesticides and heavy metals through several routes. Workers excavating

impacted soil may be exposed through inhalation, ingestion and dermal contact. A site specific Health and Safety Plan has been developed to identify and minimize the potential hazards to on-site workers. Site trespassers could also be exposed to impacted soil during excavation, however, security measures including an 8-foot high construction fence and 24 hour security will minimize potential exposure through this route. Potential vapor intrusion does not appear to be a significant concern for residents of the planned construction. However, the installation of a sub-slab vapor barrier and remediation of the source areas is expected to further reduce or eliminate this potential.

Potential Off-Site Exposures: Off-Site residents could also be exposed to dust or vapors during the excavation of impacted soil/fill material. A site specific Community Air Monitoring Plan has been developed to identify and minimize the potential for off-site exposure to residents through continuous air monitoring during excavation activity.

The entire area is serviced by the New York City Water System which distributes water from the Croton Reservoir system. Since there are no public or private potable supply wells in the area, exposure from contact with tap water is not a concern. Off-site exposure is therefore limited to vapor intrusion from light end petroleum VOCs. This potential will be further reduced following the removal of the source are under the planned redevelopment of the Site.

Soil vapor samples and collected/analyzed as part of this investigation did not exhibit evidence of petroleum or chlorinated VOCs in excess of applicable regulatory criteria. As such, no impacts related to the offsite migration of vapors is expected. EBC notes that the western adjacent property (1007 Atlantic Avenue) was recently re-developed under the NYCOER Voluntary Cleanup Program and that this building is equipped with a vapor barrier and active sub-slab depressurization system (SSDS).

Potential Off-Site Environmental Impacts: Since VOCs in groundwater may be migrating beneath the Site at low concentrations in a generally northeastern direction, the groundwater to surface water discharge pathway was evaluated. The closest surface water body, a small lake located within the Brooklyn Botanical Garden, is approximately 0.8 mile to the south-southwest. Based upon the concentrations of contaminants currently in groundwater beneath the Site and the documented regional flow direction to the northeast, there are no expected impacts to surface water environments from contaminants migrating from the Site.

6.0 CONCLUSIONS AND RECOMENDATIONS

Subsurface soils at the Site consists of brown silty sand, mixed with fill material (brick and concrete fragments) from grade to depths of approximately five to 10 feet below grade. Mixtures of native, sand, clay, silt and gravel are present immediately below the fill layer. Some borings did reveal notably more silt and clay between 10 and 20 feet below grade. Petroleum odors and staining were noted in borings SB8, 19B1, 19B2, 19B3 and 19B4 between 12 and 22 feet below grade. Subsurface soils at the Site consist of historic fill materials to depths of approximately 6 to 10 feet below grade. Native silty sand and gravel are present immediately below this layer.

Groundwater at the Site is present under water table conditions at depths measured at 71.74 to 72.96 feet below grade, which is consistent with the estimated depths of 70-75 feet. Based upon survey data collected from the three onsite wells in August 2020 during the supplemental sampling event, groundwater flows generally to the northeast, which is also consistent with the regional trend.

Sampling conducted in 2018 previously identified an area of petroleum-related VOC contamination at the south-central portion of the Site. Soil samples collected/analyzed from borings completed at the south-central and southeastern portions of the Site during the RI also exhibited evidence of petroleum odors and staining from approximately 12 to 20 feet below grade. These impacts are limited to this horizon (12 to 22') as evidenced by the samples collected from the 22 to 24 and 23 to 25' foot intervals, which contained trace to no petroleum related VOCs. This impacted area is estimated to be approximately 50 by 60 feet and is consistent with impacts from historic USTs.

Petroleum VOC contamination was documented at the in the vicinity of boring SB8 completed in 2018. These impacts were attributed to spills or releases from the fifteen 550-gallon USTs removed from the site in 1999.

Historic fill materials have been identified across the Site to depths of five to 10 feet below grade. Depending on location, the historic fill material contains SVOCs, pesticides, and one or more metals including barium, copper, lead, mercury, nickel, and zinc above unrestricted and/or restricted use SCOs. Most notably were SVOC impacts in samples SB1 (8-10'), 19B3R (0-4'), 19B7 (0-4'), 19B8 (0-4') and 19B8R (6-8') and pesticide impacts in samples 19B6 (0-4') and 19B7 (0-4').

Several petroleum-related VOCs were detected in one groundwater sample at concentrations slightly above their NYSDEC AWQ. In addition, two other VOCs were also detected in one or more of the groundwater samples at concentrations slightly above their respective AWQs. Although, consistent with the historic use of the site, no petroleum-related VOCs were detected in deep soil samples collected at the site, including boring 19B1 which was located proximate to the well containing the petroleum-related VOCs. Further the well containing the petroleum-related VOCs represents the presumed hydraulically upgradient location at the site. As such, it appears that the presence of these VOCs appears attributable to an off-site source or generally degraded regional water quality.

Between three and six SVOCs were detected in the three groundwater samples at concentrations exceeding their respective AWQs. These compounds were detected in most of the shallow soil samples (0 to 4'), consistent with the presence of urban fill. However, they were not identified in

any of the deep (22-24' or 23-25') samples. Similar to the VOCs, the presence of these compounds appears attributable to an off-site source or generally degraded regional water quality.

Three dissolved metals were detected above standards, including iron, manganese and sodium in most of the wells. These metals are consistent with general groundwater quality throughout the area. Low to moderate levels of PFAS compounds were detected in each of the three groundwater samples collected from the site. However, the combined PFOA and PFOS concentrations measured in these samples are below above the USEPA Health Advisory Level.

Petroleum-related and chlorinated VOCs were generally identified at low to moderate levels in soil vapor samples. Chlorinated VOC concentrations were below their respective NYSDOH mitigation values.

The qualitative exposure assessment identified potential completed routes of exposure to construction workers and remediation workers through inhalation, ingestion and dermal contact of petroleum-related and chlorinated VOCs, SVOCs, pesticides, and heavy metals during excavation activities. The Health and Safety Plan prepared for the site identifies such exposures and provides instructions for on-site workers to minimize potential exposure. Vapor exposure for occupants of the proposed building is low. No potential off-site exposures were identified.

Potential environmental impacts through the groundwater to surface water discharge were considered unlikely based on the concentrations of VOCs in groundwater, the groundwater flow direction at the Site and the distance to the pond within the Brooklyn Botanical Garden (0.8 mile).

Recommendations include excavation and disposal of petroleum-contaminated soil within the source area, and proper handling and disposal of all soils/fill materials excavated for structural elements of the proposed new building. This work would be performed under an approved Remedial Action Work Plan which includes a Soil Management Plan, a Construction Health and Safety Plan and a Community Air Monitoring Plan.

7.0 REFERENCES

6 NYCRR Part 375 Environmental Remediation Programs Subparts 375-1, 375-3 and 375-6.

Middleton Environmental, Inc., Phase I Environmental Site Assessment – September 2014.

Environmental Business Consultants, Phase I Subsurface Investigation Report – September 2018.

Environmental Business Consultants, Phase I Environmental Site Assessment – March 2019.

NYSDEC, Division of Environmental Remediation, May 2004, *Draft Brownfield Program Cleanup Guide*.

NYSDEC, Division of Environmental Remediation, May 2010, *DER-10, Technical Guidance for Site Investigation and Remediation*.

NYSDEC, Division of Environmental Remediation, December 14, 2006, *6 NYCRR Part 375, Environmental Remediation Programs, subparts 375-1 to 375-4 & 375-6*.

NYSDEC, Division of Environmental Remediation, March 2019, *Sampling for 1,4-Dioxane and Per- and Polyfluoroalkyl Substances (PFAS) Under DEC's Part 375 Remedial Programs*

NYSDEC, Division of Water, June 1998, Addendums April 2000 and June 2004, *Technical and Operational Guidance Series 1:1:1, Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations*.

NYSDOH, Center for Environmental Health, October 2006, Updated May 2017, *Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York*.

TABLES

**TABLE 1
SUMMARY OF
SAMPLING PROGRAM RATIONALE AND ANALYSIS**

Matrix	Location	Approximate Number of Samples	Rationale for Sampling	Laboratory Analysis
Subsurface soil (24 ft or Extent of contamination)	From 8 soil borings (SB1 through SB8) throughout the site (August-October 2018)	8	To evaluate historic fill materials and potential impacts related to the historic use of the site	TCL or CP51 VOCs EPA Method 8260C, TCL or CP51 SVOCs EPA Method 8270, and/or TAL/TCL metals EPA 601.
Subsurface soil (25 ft or Extent of contamination)	From 11 soil borings (19SB1-19SB8, 19SB3R, 19SB7R and 19SB8R) throughout the site	20	To evaluate historic fill materials and native soil at the planned excavation depth with respect to SCOs.	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270, pesticide/PCBs EPA Method 8081/8082, TAL/TCL metals EPA 6010, 21 PFAS Compounds by EPA Method 537 Modified, 1,4-dioxane EPA 8270.
Subsurface soil (below observed contamination)	From any soil borings with evidence of petroleum contamination.	1	To evaluate the presence of emerging contaminants at the Site	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270.
Total (Soils)		29		
Groundwater (water table)	From 3 monitoring wells across the Site.	3	To assess groundwater quality at the Site.	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270, pesticide/PCBs EPA Method 8081/8082, TAL/TCL metals EPA 6010 (total and dissolved), 21 PFAS Compounds by EPA Method 537 Modified, 1,4-dioxane EPA 8270 SIM.
Total (Groundwater)		3		
Soil Gas (15 ft below existing grade)	6 soil gas implants to be installed in the existing slab on grade buildings and parking area.	7	Evaluate soil gas below the planned buildings cellar level.	VOCs EPA Method TO15
Total (Soil Gas)		7		
Soil Duplicate	One duplicate soil sample per day	3	To meet requirements of QA / QC program	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270.
Soil Duplicate	One duplicate soil sample per day	2	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified
Groundwater Duplicate	One duplicate groundwater sample per day	1	To meet requirements of QA / QC program	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270, pesticide/PCBs EPA Method 8081/8082, TAL/TCL metals EPA 6010 (total and dissolved), 1,4-dioxane EPA 8270 SIM.
Groundwater Duplicate	One duplicate groundwater sample per day	1	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified
Equipment / Materials Rinsate Blank for PFAS (GW)	One equipment / materials rinsate blank for groundwater per day	1	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified and 1,4-dioxane EPA 8270 SIM.
Equipment / Materials Rinsate Blank for PFAS (Soil)	One equipment / materials rinsate blank for soil per day	2	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified and 1,4-dioxane EPA 8270 SIM.
Soil MS/MSD	Matrix spike and Matrix spike duplicates at the rate 5%	1	To meet requirements of QA / QC program	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270, pesticide/PCBs EPA Method 8081/8082, TAL/TCL metals EPA 6010, 1,4-dioxane EPA 8270.
Soil MS/MSD	Matrix spike and Matrix spike duplicates at the rate 5%	2	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified and 1,4-dioxane EPA 8270 SIM.
Groundwater MS/MSD	Matrix spike and Matrix spike duplicates at the rate 5%	1	To meet requirements of QA / QC program	TCL VOCs EPA Method 8260C, TCL SVOCs EPA Method 8270, pesticide/PCBs EPA Method 8081/8082, TAL/TCL metals EPA 6010 (total and dissolved), 1,4-dioxane EPA 8270 SIM.
Groundwater MS/MSD	Matrix spike and Matrix spike duplicates at the rate 5%	1	To meet requirements of QA / QC program	21 PFAS Compounds by EPA Method 537 Modified and 1,4-dioxane EPA 8270 SIM.
Trip Blanks	One laboratory prepared trip blank to accompany samples each time they are delivered to the laboratory.	4	To meet requirements of QA / QC program	VOCs EPA Method 8260C
Total (QA / QC Samples)		19		

Table 2
1015 Atlantic Avenue,
Brooklyn, NY
Soil Boring / Well Information

SAMPLE ID	Date	Total Depth (ft)	Diameter (in)	Construction Materials	Screen Length (ft)	DTW (ft)	DTP	Survey Reading	Casing Elevation	GW ELV
19B1	2/10/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B2	2/10/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B3	3/2/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B3R	8/24/2020	25	2.00	Geoprobe 6712 DT						
19B4	2/6/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B5	2/9/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B6	2/10/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B7	2/6/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B7R	8/24/2020	15	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B8	2/6/2020	25	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
19B8R	8/24/2020	15	2.00	Geoprobe 6712 DT	-	-	-	-	-	-
MW1	3/10/2020	79.4	2	PVC	15.00	72.96	-	5.30	94.70	21.74
MW2	2/26/2020	77.4	2	PVC	15.00	71.74	-	6.87	93.13	21.39
MW3	2/27/2020	81.6	2	PVC	15.00	72.18	-	6.41	93.59	21.41

Table 3
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Protection of Groundwater Soil Cleanup Objectives*	SB1	SB2	SB3	SB6	SB7	SB8										
				(8-10')	(18-20')	(13-15')	(18-20')	(18-20')	(18-20')	(20-22')	(22-24')								
				8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	8/9/2018	10/9/2018	10/9/2018								
				µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg	µg/Kg								
	µg/Kg	µg/Kg	µg/Kg	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL				
1,1,1,2-tetrachloroethane				< 1100	1,100	< 16	16	< 15	15	< 4.3	4.3	< 17	17	< 1600	1,600	< 1100	1,100	< 20	20
1,1,1-Trichloroethane	680	100,000	680	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,1,2,2-Tetrachloroethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,1,2-Trichloroethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,1-Dichloroethane	270	26,000	270	< 270	270	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 270	270	-	-	-	-
1,1-Dichloroethene	330	100,000	330	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 330	330	-	-	-	-
1,1-Dichloropropene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2,3-Trichlorobenzene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2,3-Trichloropropane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2,4-Trichlorobenzene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2,4-Trimethylbenzene	3,600	52,000	3,600	170	280	5.7	4.0	1.4	3.8	< 4.3	4.3	< 4.2	4.2	180,000	3,600	1,800	54	0.71	1.0
1,2-Dibromo-3-chloropropane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2-Dibromoethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2-Dichlorobenzene	1,100	100,000	1,100	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,2-Dichloroethane	20	3,100	20	< 20	20	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 39	39	-	-	-	-
1,2-Dichloropropane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,3,5-Trimethylbenzene	8,400	52,000	8,400	46	280	1.3	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	52,000	7,800	530	54	< 1.0	1.0
1,3-Dichlorobenzene	2,400	4,900	2,400	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,3-Dichloropropane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
1,4-Dichlorobenzene	1,800	13,000	1,800	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
2-Chlorotoluene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
2-Hexanone (Methyl Butyl Ketone)				< 1400	1,400	< 20	20	< 19	19	< 22	22	< 21	21	< 1900	1,900	< 49	49	< 10	10
2-Isopropyltoluene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	340	390	-	-	-	-
4-Chlorotoluene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
4-Methyl-2-Pentanone				< 1400	1,400	< 20	20	< 19	19	< 22	22	< 21	21	< 1900	1,900	< 49	49	< 10	10
Acetone	50	100,000	50	< 50	50	7.8	20	12	19	6.4	22	5.4	21	< 390	390	< 270	270	< 5.1	5.1
Acrolein				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	< 1100	1,100	< 20	20
Acrylonitrile				< 1100	1,100	< 16	16	< 15	15	< 8.7	8.7	< 17	17	< 1600	1,600	< 60	60	< 2.0	2.0
Benzene	60	4,800	60	< 60	60	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	1,200	780	< 60	60	< 2.0	2.0
Bromobenzene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Bromochloromethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Bromodichloromethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Bromoform				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Bromomethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Carbon Disulfide				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Carbon tetrachloride	760	2,400	760	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Chlorobenzene	1,100	100,000	1,100	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Chloroethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Chloroform	370	49,000	370	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 370	370	-	-	-	-
Chloromethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
cis-1,2-Dichloroethene	250	100,000	250	< 250	250	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 250	250	-	-	-	-
cis-1,3-Dichloropropene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Cyclohexane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	-	-
Dibromochloromethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Dibromomethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Dichlorodifluoromethane				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Ethylbenzene	1,000	41,000	1,000	52	280	1.9	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	86,000	1,000	330	110	0.53	2.0
Hexachlorobutadiene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Isopropylbenzene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	9,900	3,900	67	54	< 1.0	1.0
m&p-Xylenes	260	100,000	1,600	210	280	7.8	4.0	1.4	3.8	< 4.3	4.3	1.1	4.2	310,000	7,800	1,400	110	1.9	2.0
Methyl Ethyl Ketone (2-Butanone)	120	100,000	120	< 120	120	< 24	24	< 23	23	< 26	26	< 25	25	< 160	160	-	-	-	-
Methyl t-butyl ether (MTBE)	930	100,000	930	< 560	560	< 7.9	7.9	< 7.5	7.5	< 8.7	8.7	< 8.4	8.4	< 780	780	< 110	110	< 2.0	2.0
Methylacetate				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	-	-
Methylcyclohexane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-	-	-
Methylene chloride	50	100,000	50	< 50	50	4.7	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	< 390	390	-	-	-	-
Naphthalene				2,900	280	6.8	4.0	1.7	3.8	< 4.3	4.3	< 4.2	4.2	21,000	3,900	340	110	< 2.0	2.0
n-Butylbenzene	12,000	100,000	12,000	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	6,600	3,900	110	54	< 1.0	1.0
n-Propylbenzene	3,900	100,000	3,900	< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	29,000	3,900	250	54	< 1.0	1.0
o-Xylene	260	100,000	1,600	110	280	4.5	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	130,000	3,900	550	110	< 2.0	2.0
p-Isopropyltoluene				< 280	280	< 4.0	4.0	< 3.8	3.8	< 4.3	4.3	< 4.2	4.2	1,300	390	< 54	54	<	

Table 3
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Protection of Groundwater Soil Cleanup Objectives*	19B1				19B2				19B3R				19B4			
				(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')	
				2/10/2020		2/10/2020		2/10/2020		2/10/2020		8/24/2020		8/24/2020		2/6/2020		2/6/2020	
				µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane				< 22	22	< 21	21	< 21	21	< 23	23	< 20	20	< 25	25	< 25	25	< 24	24
1,1,1-Trichloroethane	680	100,000	680	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,1,2,2-Tetrachloroethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,1,2-Trichloroethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,1-Dichloroethane	270	26,000	270	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,1-Dichloroethene	330	100,000	330	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,1-Dichloropropene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,3-Trichlorobenzene				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2,3-Trichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,4-Trichlorobenzene				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2,4-Trimethylbenzene	3,600	52,000	3,600	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dibromo-3-chloropropane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2-Dibromoethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2-Dichlorobenzene	1,100	100,000	1,100	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2-Dichloroethane	20	3,100	20	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,2-Dichloropropane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,3,5-Trimethylbenzene	8,400	52,000	8,400	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene	2,400	4,900	2,400	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
1,3-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene	1,800	13,000	1,800	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.3	5.3	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
2,2-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Hexanone (Methyl Butyl Ketone)				< 28	28	< 27	27	< 26	26	< 28	28	< 27	27	< 31	31	< 31	31	< 30	30
2-Isopropyltoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Methyl-2-Pentanone				< 28	28	< 27	27	< 26	26	< 28	28	< 27	27	< 31	31	< 31	31	< 30	30
Acetone	50	100,000	50	18	28	8.3	27	9.7	26	12	28	< 27	27	< 31	31	< 31	31	7.9	30
Acrolein				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Acrylonitrile				< 22	22	< 21	21	< 21	21	< 23	23	< 20	20	< 25	25	< 25	25	< 24	24
Benzene	60	4,800	60	1.4	5.6	0.87	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Bromobenzene				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Bromochloromethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Bromodichloromethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Bromoform				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Bromomethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Carbon Disulfide				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Carbon tetrachloride	760	2,400	760	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Chlorobenzene	1,100	100,000	1,100	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Chloroethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Chloroform	370	49,000	370	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Chloromethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
cis-1,2-Dichloroethene	250	100,000	250	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
cis-1,3-Dichloropropene				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Cyclohexane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Dibromochloromethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Dibromomethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Dichlorodifluoromethane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Ethylbenzene	1,000	41,000	1,000	2.1	5.6	7.2	5.4	< 5.2	5.2	2.8	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Hexachlorobutadiene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Isopropylbenzene				1.3	5.6	0.62	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
m&p-Xylenes	260	100,000	1,600	22	5.6	21	5.4	1.3	5.2	9.5	5.6	< 5.1	5.1	< 6.2	6.2	1.7	6.3	< 5.9	5.9
Methyl Ethyl Ketone (2-Butanone)	120	100,000	120	< 34	34	< 32	32	< 31	31	< 34	34	< 31	31	< 37	37	< 38	38	< 36	36
Methyl t-butyl ether (MTBE)	930	100,000	930	< 11	11	< 11	11	< 10	10	1.1	11	< 10	10	< 12	12	< 13	13	< 12	12
Methylacetate				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Methylcyclohexane				< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Methylene chloride	50	100,000	50	< 5.6	5.6	< 5.4	5.4	< 5.2	5.2	< 5.6	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
Naphthalene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Butylbenzene	12,000	100,000	12,000	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Propylbenzene	3,900	100,000	3,900	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
o-Xylene	260	100,000	1,600	8.9	5.6	2.7	5.4	< 5.2	5.2	2.1	5.6	< 5.1	5.1	< 6.2	6.2	< 6.3	6.3	< 5.9	5.9
p-Isopropyltoluene																			

Table 3
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Protection of Groundwater Soil Cleanup Objectives*	19B5				19B6				19B7				19B7R	
				(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(6-8')	
				2/6/2020		2/6/2020		2/10/2020		2/10/2020		2/6/2020		2/6/2020		8/24/2020	
				µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane				< 24	24	< 21	21	< 25	25	< 28	28	< 23	23	< 26	26	< 21	21
1,1,1-Trichloroethane	680	100,000	680	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,1,2,2-Tetrachloroethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,1,2-Trichloroethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,1-Dichloroethane	270	26,000	270	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,1-Dichloroethene	330	100,000	330	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,1-Dichloropropene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,3-Trichlorobenzene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2,3-Trichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,4-Trichlorobenzene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2,4-Trimethylbenzene	3,600	52,000	3,600	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dibromo-3-chloropropane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2-Dibromoethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2-Dichlorobenzene	1,100	100,000	1,100	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2-Dichloroethane	20	3,100	20	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,2-Dichloropropane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,3,5-Trimethylbenzene	8,400	52,000	8,400	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene	2,400	4,900	2,400	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
1,3-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene	1,800	13,000	1,800	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
2,2-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Hexanone (Methyl Butyl Ketone)				< 30	30	< 26	26	< 31	31	< 35	35	< 29	29	< 33	33	< 27	27
2-Isopropyltoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Methyl-2-Pentanone				< 30	30	< 26	26	< 31	31	< 35	35	< 29	29	< 33	33	< 27	27
Acetone	50	100,000	50	< 30	30	< 26	26	6.6	31	13	35	12	29	< 33	33	< 27	27
Acrolein				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Acrylonitrile				< 24	24	< 21	21	< 25	25	< 28	28	< 23	23	< 26	26	< 21	21
Benzene	60	4,800	60	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Bromobenzene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Bromochloromethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Bromodichloromethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Bromoform				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Bromomethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Carbon Disulfide				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Carbon tetrachloride	760	2,400	760	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Chlorobenzene	1,100	100,000	1,100	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Chloroethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Chloroform	370	49,000	370	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Chloromethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
cis-1,2-Dichloroethene	250	100,000	250	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
cis-1,3-Dichloropropene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Cyclohexane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Dibromochloromethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Dibromomethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Dichlorodifluoromethane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Ethylbenzene	1,000	41,000	1,000	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Hexachlorobutadiene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Isopropylbenzene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
m&p-Xylenes	260	100,000	1,600	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Methyl Ethyl Ketone (2-Butanone)	120	100,000	120	< 36	36	< 32	32	< 37	37	< 42	42	< 34	34	< 39	39	< 32	32
Methyl t-butyl ether (MTBE)	930	100,000	930	< 12	12	< 11	11	< 12	12	< 14	14	< 11	11	< 13	13	< 11	11
Methylacetate				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Methylcyclohexane				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Methylene chloride	50	100,000	50	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
Naphthalene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Butylbenzene	12,000	100,000	12,000	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Propylbenzene	3,900	100,000	3,900	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
o-Xylene	260	100,000	1,600	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
p-Isopropyltoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
sec-Butylbenzene	11,000	100,000	11,000	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Styrene				< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5	< 5.3	5.3
tert-Butyl alcohol				< 120	120	< 110	110	< 120	120	< 140	140	< 110	110	< 130	130	< 110	110
tert-Butylbenzene	5,900	100,000	5,900	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Tetrachloroethene	1,300	19,000	1,300	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	3.6	5.7	< 6.5	6.5	< 5.3	5.3
Tetrahydrofuran (THF)				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Toluene	700	100,000	700	< 6.0	6.0	< 5.3	5.3	< 6.2	6.2	< 7.0	7.0	< 5.7	5.7	< 6.5	6.5		

Table 3
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	NYDEC Part 375.6 Protection of Groundwater Soil Cleanup Objectives*	19B8				19B8R		SOIL DUPLICATE		SOIL DUPLICATE 2		SOIL DUPLICATE 3	
				(0-4")		(23-25")		(6-8")		19B7 (23-25")		19B6 (23-25")		19B3R (0-4")	
				2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/10/2020		8/24/2020	
				µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
				Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane				< 23	23	< 24	24	< 21	21	< 23	23	< 30	30	< 22	22
1,1,1-Trichloroethane	680	100,000	680	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,1,2,2-Tetrachloroethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,1,2-Trichloroethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,1-Dichloroethane	270	26,000	270	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,1-Dichloroethene	330	100,000	330	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,1-Dichloropropene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,3-Trichlorobenzene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2,3-Trichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2,4-Trichlorobenzene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2,4-Trimethylbenzene	3,600	52,000	3,600	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dibromo-3-chloropropane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2-Dibromoethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2-Dichlorobenzene	1,100	100,000	1,100	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2-Dichloroethane	20	3,100	20	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,2-Dichloropropane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,3,5-Trimethylbenzene	8,400	52,000	8,400	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene	2,400	4,900	2,400	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
1,3-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene	1,800	13,000	1,800	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
2,2-Dichloropropane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2-Hexanone (Methyl Butyl Ketone)				< 29	29	< 30	30	< 26	26	< 29	29	< 38	38	< 28	28
2-Isopropyltoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Chlorotoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
4-Methyl-2-Pentanone				< 29	29	< 30	30	< 26	26	< 29	29	< 38	38	< 28	28
Acetone	50	100,000	50	21	29	15	30	< 26	26	6	29	< 38	38	< 28	28
Acrolein				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Acrylonitrile				< 23	23	< 24	24	< 21	21	< 23	23	< 30	30	< 22	22
Benzene	60	4,800	60	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Bromobenzene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Bromochloromethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Bromodichloromethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Bromoform				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Bromomethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Carbon Disulfide				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Carbon tetrachloride	760	2,400	760	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Chlorobenzene	1,100	100,000	1,100	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Chloroethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Chloroform	370	49,000	370	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Chloromethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
cis-1,2-Dichloroethene	250	100,000	250	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
cis-1,3-Dichloropropene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Cyclohexane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Dibromochloromethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Dibromomethane				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Dichlorodifluoromethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Ethylbenzene	1,000	41,000	1,000	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Hexachlorobutadiene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Isopropylbenzene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
m&p-Xylenes	260	100,000	1,600	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Methyl Ethyl Ketone (2-Butanone)	120	100,000	120	< 35	35	< 36	36	< 31	31	< 34	34	< 45	45	< 34	34
Methyl t-butyl ether (MTBE)	930	100,000	930	< 12	12	< 12	12	< 10	10	< 11	11	< 15	15	< 11	11
Methylacetate				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Methylcyclohexane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Methylene chloride	50	100,000	50	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Naphthalene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Butylbenzene	12,000	100,000	12,000	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
n-Propylbenzene	3,900	100,000	3,900	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
o-Xylene	260	100,000	1,600	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
p-Isopropyltoluene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
sec-Butylbenzene	11,000	100,000	11,000	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Styrene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
tert-Butyl alcohol				< 120	120	< 120	120	< 100	100	< 110	110	< 150	150	< 110	110
tert-Butylbenzene	5,900	100,000	5,900	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Tetrachloroethene	1,300	19,000	1,300	1.2	5.8	< 6.0	6.0	2.5	5.2	< 5.7	5.7	< 7.5	7.5	2.1	5.6
Tetrahydrofuran (THF)				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Toluene	700	100,000	700	< 5.8	5.8	< 6.0	6.0	< 5.3	5.3	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Total Xylenes	260	100,000	260	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,2-Dichloroethene	190	100,000	190	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
trans-1,3-Dichloropropene				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
trans-1,4-dichloro-2-butene				NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Trichloroethene	470	21,000	470	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Trichlorofluoromethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Trichlorotrifluoroethane				< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Vinyl Chloride	20	900	20	< 5.8	5.8	< 6.0	6.0	< 5.2	5.2	< 5.7	5.7	< 7.5	7.5	< 5.6	5.6
Total BTEX Concentration				0.0		0.0		0.0		0.0		0.0		0.0	
Total VOCs Concentration				22.2		15.0		2.5		6.0		0.0		2.1	

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSOC Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSOC Guidance Value

Table 4
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB1		SB2		SB3		SB6		SB7		SB8					
			(8-10')		(18-20')		(13-15')		(18-20')		(18-20')		(18-20')		(20-22')		(22-24')	
			8/9/2018		8/9/2018		8/9/2018		8/9/2018		8/9/2018		8/9/2018		10/9/2018		10/9/2018	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1-Biphenyl			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
1,2,4,5-Tetrachlorobenzene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
1,2,4-Trichlorobenzene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
1,2-Dichlorobenzene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
1,2-Diphenylhydrazine			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
1,3-Dichlorobenzene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
1,4-Dichlorobenzene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2,3,4,6-tetrachlorophenol			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
2,4,5-Trichlorophenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2,4,6-Trichlorophenol			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
2,4-Dichlorophenol			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
2,4-Dimethylphenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2,4-Dinitrophenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2,4-Dinitrotoluene			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
2,6-Dinitrotoluene			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
2-Chloronaphthalene			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2-Chlorophenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2-Methylnaphthalene			330	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	3,900	250	-	-
2-Methylphenol (o-cresol)	330	100,000	< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2-Nitroaniline			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
2-Nitrophenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
3&4-Methylphenol (m&p-cresol)	330	100,000	< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
3,3'-Dichlorobenzidine			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
3-Nitroaniline			< 380	380	< 360	360	< 350	350	< 360	360	< 360	360	< 360	360	< 360	360	-	-
4,6-Dinitro-2-methylphenol			< 230	230	< 210	210	< 210	210	< 220	220	< 220	220	< 220	220	< 210	210	-	-
4-Bromophenyl phenyl ether			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
4-Chloro-3-methylphenol			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
4-Chloroaniline			< 300	300	< 290	290	< 280	280	< 290	290	< 290	290	< 290	290	< 280	280	-	-
4-Chlorophenyl phenyl ether			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
4-Nitroaniline			< 380	380	< 360	360	< 350	350	< 360	360	< 360	360	< 360	360	< 360	360	-	-
4-Nitrophenol			< 380	380	< 360	360	< 350	350	< 360	360	< 360	360	< 360	360	< 360	360	-	-
Acenaphthene	20,000	100,000	840	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Acenaphthylene	100,000	100,000	150	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Acetophenone			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Aniline			< 300	300	< 290	290	< 280	280	< 290	290	< 290	290	< 290	290	< 280	280	-	-
Anthracene	100,000	100,000	1,700	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Atrazine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
Benz(a)anthracene	1,000	1,000	2,600	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Benidine			< 380	380	< 360	360	< 350	350	< 360	360	< 360	360	< 360	360	< 360	360	-	-
Benzaldehyde			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
Benzo(a)pyrene	1,000	1,000	1,500	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 250	240
Benzo(b)fluoranthene	1,000	1,000	2,000	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Benzo(ghi)perylene	100,000	100,000	1,300	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Benzo(k)fluoranthene	800	3,900	1,700	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Benzoic acid			< 1900	1,900	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	< 1800	1,800	-	-
Benzyl butyl phthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Bis(2-chloroethoxy)methane			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Bis(2-chloroethyl)ether			< 190	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
Bis(2-chloroisopropyl)ether			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Bis(2-ethylhexyl)phthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Caprolactam			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	-	-
Carbazole			700	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	-	-
Chrysene	1,000	3,900	2,600	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	240
Dibenz(a,h)anthracene	330	330	360	190	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 180	180	< 250	240
Dibenzofuran	7,000	59,000	730	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Diethyl phthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Dimethylphthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Di-n-butylphthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Di-n-octylphthalate			< 270	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	-	-
Fluoranthene	100,000	100,000	4,500	270	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	< 250	250	190	240
Fluorene	30,00,																	

Table 4
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	19B1				19B2				19B3R				19B4			
			(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')	
			2/10/2020		2/10/2020		2/10/2020		2/10/2020		8/24/2020		8/24/2020		2/6/2020		2/6/2020	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1-Biphenyl			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
1,2,4,5-Tetrachlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
1,2,4-Trichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Diphenylhydrazine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2,3,4,6-tetrachlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2,4,5-Trichlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2,4,6-Trichlorophenol			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
2,4-Dichlorophenol			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
2,4-Dimethylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2,4-Dinitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2,4-Dinitrotoluene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
2,6-Dinitrotoluene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
2-Chloronaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2-Chlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2-Methylnaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2-Nitroaniline			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
2-Nitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
3&4-Methylphenol (m&p-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
3,3'-Dichlorobenzidine			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
3-Nitroaniline			< 730	730	< 680	680	< 730	730	< 700	700	< 700	700	< 700	700	< 700	700	< 700	700
4,6-Dinitro-2-methylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
4-Bromophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
4-Chloro-3-methylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
4-Chloroaniline			< 730	730	< 680	680	< 730	730	< 700	700	< 700	700	< 700	700	< 700	700	< 700	700
4-Chlorophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
4-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1800	1,800
4-Nitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Acenaphthene	20,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	160	250	< 240	240	< 250	250	< 250	250
Acenaphthylene	100,000	100,000	< 150	150	< 140	140	< 150	150	< 140	140	110	140	< 140	140	< 140	140	< 140	140
Acetophenone			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Aniline			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Anthracene	100,000	100,000	170	250	< 240	240	< 250	250	< 240	240	400	250	< 240	240	150	250	< 250	250
Atrazine			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Benz(a)anthracene	1,000	1,000	580	250	< 240	240	490	250	< 240	240	1,300	250	< 240	240	830	250	< 250	250
Benzdine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzaldehyde			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Benzo(a)pyrene	1,000	1,000	620	150	< 140	140	630	150	< 140	140	1,300	140	< 140	140	880	140	< 140	140
Benzo(b)fluoranthene	1,000	1,000	500	250	< 240	240	510	250	< 240	240	1,200	250	< 240	240	680	250	< 250	250
Benzo(ghi)perylene	100,000	100,000	390	250	< 240	240	480	250	< 240	240	820	250	< 240	240	570	250	< 250	250
Benzo(k)fluoranthene	800	3,900	450	250	< 240	240	470	250	< 240	240	890	250	< 240	240	690	250	< 250	250
Benzoic acid			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzyl butyl phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Bis(2-chloroethoxy)methane			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Bis(2-chloroethyl)ether			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140
Bis(2-chloroisopropyl)ether			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Bis(2-ethylhexyl)phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Caprolactam			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Carbazole			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Chrysene	1,000	3,900	570	250	< 240	240	490	250	< 240	240	1,300	250	< 240	240	850	250	< 250	250
Dibenz(a,h)anthracene	330	330	< 150	150	< 140	140	< 150	150	< 140	140	290	140	< 140	140	140	140	< 140	140
Dibenzofuran	7,000	59,000	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Diethyl phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Dimethylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Di-n-butylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 250	250
Di-n-octylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 250	250	< 240	240	< 25			

Table 4
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Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	19B5				19B6				19B7				19B7R	
			(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(6-8')	
			2/6/2020		2/6/2020		2/10/2020		2/10/2020		2/6/2020		2/6/2020		8/24/2020	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1-Biphenyl			< 250	250	< 240	240	< 250	250	< 240	240	620	260	< 240	240	< 260	260
1,2,4,5-Tetrachlorobenzene			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
1,2,4-Trichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Diphenylhydrazine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2,3,4,6-tetrachlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2,4,5-Trichlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2,4,6-Trichlorophenol			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
2,4-Dichlorophenol			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
2,4-Dimethylphenol			< 250	250	< 240	240	< 250	250	< 240	240	380	260	< 240	240	< 260	260
2,4-Dinitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2,4-Dinitrotoluene			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
2,6-Dinitrotoluene			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
2-Chloronaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2-Chlorophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2-Methylnaphthalene			< 250	250	< 240	240	< 250	250	< 240	240	3,500	260	< 240	240	< 260	260
2-Methylphenol (o-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2-Nitroaniline			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
2-Nitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
3&4-Methylphenol (m&p-cresol)	330	100,000	< 250	250	< 240	240	< 250	250	< 240	240	670	260	< 240	240	< 260	260
3,3'-Dichlorobenzidine			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
3-Nitroaniline			< 710	710	< 700	700	< 730	730	< 690	690	< 740	740	< 680	680	< 740	740
4,6-Dinitro-2-methylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
4-Bromophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
4-Chloro-3-methylphenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
4-Chloroaniline			< 710	710	< 700	700	< 730	730	< 690	690	< 740	740	< 680	680	< 740	740
4-Chlorophenyl phenyl ether			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
4-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1800	1,800	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1800	1,800
4-Nitrophenol			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Acenaphthene	20,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	5,700	260	< 240	240	< 260	260
Acenaphthylene	100,000	100,000	150	140	< 140	140	< 150	150	< 140	140	4,000	150	< 140	140	< 150	150
Acetophenone			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Aniline			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Anthracene	100,000	100,000	180	250	< 240	240	210	250	< 240	240	14,000	2,600	< 240	240	< 260	260
Atrazine			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Benz(a)anthracene	1,000	1,000	860	250	< 240	240	890	250	< 240	240	30,000	2,600	< 240	240	< 260	260
Benidine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzaldehyde			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Benzo(a)pyrene	1,000	1,000	890	140	< 140	140	870	150	< 140	140	29,000	1,500	< 140	140	< 150	150
Benzo(b)fluoranthene	1,000	1,000	650	250	< 240	240	740	250	< 240	240	20,000	2,600	< 240	240	< 260	260
Benzo(ghi)perylene	100,000	100,000	600	250	< 240	240	430	250	< 240	240	14,000	2,600	< 240	240	< 260	260
Benzo(k)fluoranthene	800	3,900	670	250	< 240	240	660	250	< 240	240	19,000	2,600	< 240	240	< 260	260
Benzoic acid			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzyl butyl phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Bis(2-chloroethoxy)methane			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Bis(2-chloroethyl)ether			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
Bis(2-chloroisopropyl)ether			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Bis(2-ethylhexyl)phthalate			180	250	< 240	240	180	250	< 240	240	< 260	260	< 240	240	< 260	260
Caprolactam			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Carbazole			< 250	250	< 240	240	< 250	250	< 240	240	5,300	260	< 240	240	< 260	260
Chrysene	1,000	3,900	780	250	< 240	240	870	250	< 240	240	25,000	2,600	< 240	240	< 260	260
Dibenz(a,h)anthracene	330	330	150	140	< 140	140	< 150	150	< 140	140	4,100	150	< 140	140	< 150	150
Dibenzofuran	7,000	59,000	< 250	250	< 240	240	< 250	250	< 240	240	5,000	260	< 240	240	< 260	260
Diethyl phthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Dimethylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Di-n-butylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Di-n-octylphthalate			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Fluoranthene	100,000	100,000	1,900	250	< 240	240	2,100	250	< 240	240	64,000	2,600	< 240	240	< 260	260
Fluorene	30,000	100,000	< 250	250	< 240	240	< 250	250	< 240	240	6,900	260	< 240	240	< 260	260
Hexachlorobenzene			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
Hexachlorobutadiene			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Hexachlorocyclopentadiene			< 250	250	< 240	240	< 250	250	< 240	240	< 260	260	< 240	240	< 260	260
Hexachloroethane			< 140	140	< 140	140	< 150	150	< 140	140	< 150	150	< 140	140	< 150	150
Indeno(1,2,3-cd)pyrene	500	500	670	250	< 240	240	440	250	< 240	240	17,000	2,600	< 240	240	< 260	260
Isoph																

Table 4
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Semi-Volatile Organic Compounds

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	19B8				19B8R		SOIL DUPLICATE		SOIL DUPLICATE 2		SOIL DUPLICATE 3	
			(0-4')		(23-25')		(6-8')		19B7 (23-25')		19B6 (23-25')		19B3R (0-4')	
			2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/10/2020		8/24/2020	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	µg/Kg	µg/Kg	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,1-Biphenyl			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
1,2,4,5-Tetrachlorobenzene			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
1,2,4-Trichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,2-Diphenylhydrazine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,3-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
1,4-Dichlorobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
2,3,4,6-tetrachlorophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2,4,5-Trichlorophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2,4,6-Trichlorophenol			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
2,4-Dichlorophenol			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
2,4-Dimethylphenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2,4-Dinitrophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2,4-Dinitrotoluene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
2,6-Dinitrotoluene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
2-Chloronaphthalene			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2-Chlorophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2-Methylnaphthalene			290	260	< 240	240	200	260	< 240	240	< 240	240	< 250	250
2-Methylphenol (o-cresol)	330	100,000	< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2-Nitroaniline			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
2-Nitrophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
3&4-Methylphenol (m&p-cresol)	330	100,000	< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
3,3'-Dichlorobenzidine			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
3-Nitroaniline			< 730	730	< 690	690	< 750	750	< 680	680	< 690	690	< 700	700
4,6-Dinitro-2-methylphenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
4-Bromophenyl phenyl ether			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
4-Chloro-3-methylphenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
4-Chloroaniline			< 730	730	< 690	690	< 750	750	< 680	680	< 690	690	< 700	700
4-Chlorophenyl phenyl ether			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
4-Nitroaniline			< 1800	1,800	< 1700	1,700	< 1900	1,900	< 1700	1,700	< 1700	1,700	< 1800	1,800
4-Nitrophenol			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Acenaphthene	20,000	100,000	870	260	< 240	240	520	260	< 240	240	< 240	240	< 250	250
Acenaphthylene	100,000	100,000	1,300	150	< 140	140	130	150	< 140	140	< 140	140	110	140
Acetophenone			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Aniline			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Anthracene	100,000	100,000	2,600	260	< 240	240	1,000	260	< 240	240	< 240	240	180	250
Atrazine			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Benz(a)anthracene	1,000	1,000	6,900	260	< 240	240	1,800	260	< 240	240	< 240	240	740	250
Benzidine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzaldehyde			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Benzo(a)pyrene	1,000	1,000	6,900	150	< 140	140	1,500	150	< 140	140	< 140	140	860	140
Benzo(b)fluoranthene	1,000	1,000	5,400	260	< 240	240	1,200	260	< 240	240	< 240	240	840	250
Benzo(ghi)perylene	100,000	100,000	3,600	260	< 240	240	560	260	< 240	240	< 240	240	490	250
Benzo(k)fluoranthene	800	3,900	4,500	260	< 240	240	1,400	260	< 240	240	< 240	240	580	250
Benzoic acid			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Benzyl butyl phthalate			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Bis(2-chloroethoxy)methane			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Bis(2-chloroethyl)ether			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
Bis(2-chloroisopropyl)ether			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Bis(2-ethylhexyl)phthalate			460	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Caprolactam			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Carbazole			1,000	260	< 240	240	480	260	< 240	240	< 240	240	< 250	250
Chrysene	1,000	3,900	6,700	260	< 240	240	1,700	260	< 240	240	< 240	240	830	250
Dibenz(a,h)anthracene	330	330	980	150	< 140	140	190	150	< 140	140	< 140	140	130	140
Dibenzofuran	7,000	59,000	530	260	< 240	240	480	260	< 240	240	< 240	240	< 250	250
Diethyl phthalate			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Dimethylphthalate			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Di-n-butylphthalate			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Di-n-octylphthalate			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Fluoranthene	100,000	100,000	19,000	2,600	< 240	240	4,400	260	< 240	240	< 240	240	2,000	250
Fluorene	30,000	100,000	900	260	< 240	240	600	260	< 240	240	< 240	240	< 250	250
Hexachlorobenzene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
Hexachlorobutadiene			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Hexachlorocyclopentadiene			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Hexachloroethane			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
Indeno(1,2,3-cd)pyrene	500	500	4,300	260	< 240	240	720	260	< 240	240	< 240	240	540	250
Isophorone			< 730	730	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
Naphthalene	12,000	100,000	240	260	< 240	240	320	260	< 240	240	< 240	240	< 250	250
Nitrobenzene			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
N-Nitrosodimethylamine			< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
N-Nitrosodi-n-propylamine			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
N-Nitrosodiphenylamine			< 150	150	< 140	140	< 150	150	< 140	140	< 140	140	< 140	140
Pentachloronitrobenzene			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-
Pentachlorophenol	800	6,700	< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Phenanthrene	100,000	100,000	14,000	1,500	< 140	140	4,000	150	< 140	140	< 140	140	730	140
Phenol	330	100,000	< 260	260	< 240	240	< 260	260	< 240	240	< 240	240	< 250	250
Pyrene	100,000	100,000	18,000	2,600	< 240	240	4,200	260	< 240	240	< 240	240	2,000	250
Pyridine			NA	-	NA	-	NA	-	NA	-	NA	-	NA	-

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

Table 5
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	19B1				19B2				19B2				19B4				19B5				19B6				
			(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		
			2/10/2020		2/10/2020		2/10/2020		2/10/2020		8/24/2020		8/24/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020		2/10/2020		2/10/2020		
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result
4,4'-DDD	3.3	13,000	< 2.2	2.2	< 2.0	2.0	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	
4,4'-DDE	3.3	8,900	< 2.2	2.2	< 2.0	2.0	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.1	2.1	4.3	2.1	< 2.1	2.1	
4,4'-DDT	3.3	7,900	< 2.2	2.2	< 2.0	2.0	< 2.2	2.2	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.1	2.1	< 2.2	2.2	< 2.1	2.1	9.5	2.1	< 2.1	2.1	
a-BHC	20	480	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
a-Chlordane			< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
Aldrin	5	97	< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
b-BHC	36	360	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Chlordane	94	4,200	< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
d-BHC	40	100,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Dieldrin	5	200	< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
Endosulfan I	2,400	24,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Endosulfan II	2,400	24,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Endosulfan sulfate	2,400	24,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Endrin	14	11,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Endrin aldehyde			< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Endrin ketone			< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
g-BHC			< 1.5	1.5	< 1.3	1.3	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	< 1.4	1.4	
g-Chlordane			< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
Heptachlor	42	2,100	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Heptachlor epoxide			< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9	
Methoxychlor			< 3.6	3.6	< 3.4	3.4	< 3.7	3.7	< 3.4	3.4	< 3.5	3.5	< 3.5	3.5	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	< 3.6	3.6	< 3.4	3.4	
Toxaphene			< 150	150	< 130	130	< 150	150	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140	< 140	140	
PCBs	PCB-1016	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1221	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1232	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1242	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1248	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1254	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1260	100	1,000	< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1262	100		< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9
	PCB-1268	100		< 7.3	7.3	< 6.7	6.7	< 7.4	7.4	< 6.9	6.9	< 6.9	6.9	< 7.0	7.0	< 7.1	7.1	< 6.9	6.9	< 7.2	7.2	< 6.9	6.9	< 7.1	7.1	< 6.9	6.9

Notes:
* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives
RL - Reporting Limit

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Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

Table 5
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Pesticides PCBs

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	19B7				19B7R		19B8				19B8R		SOIL DUPLICATE		SOIL DUPLICATE 2		SOIL DUPLICATE 3	
			(0-4')		(23-25')		(6-8')		(0-4')		(23-25')		(6-8')		19B7 (23-25')		19B6 (23-25')		19B3R (0-4')	
			2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/10/2020		8/24/2020	
			µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	µg/Kg	µg/Kg	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4' -DDD	3.3	13,000		62	11	< 2.0	2.0	< 2.2	2.2	< 2.2	2.2	< 2.1	2.1	< 2.3	2.3	< 2.0	2.0	< 2.1	2.1
	4,4' -DDE	3.3	8,900		< 7.2	7.2	< 2.0	2.0	< 2.2	2.2	< 2.2	2.2	< 2.1	2.1	< 2.3	2.3	< 2.0	2.0	< 2.1	2.1
	4,4' -DDT	3.3	7,900		59	11	< 2.0	2.0	< 2.2	2.2	< 2.2	2.2	< 2.1	2.1	< 2.3	2.3	< 2.0	2.0	< 2.1	2.1
	a-BHC	20	480		< 7.2	7.2	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	a-Chlordane				< 18	18	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	Aldrin	5	97		< 7.2	7.2	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	b-BHC	36	360		< 7.2	7.2	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Chlordane	94	4,200		< 180	180	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	d-BHC	40	100,000		< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Dieldrin	5	200		28	18	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	Endosulfan I	2,400	24,000		< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Endosulfan II	2,400	24,000		< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Endosulfan sulfate	2,400	24,000		< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Endrin	14	11,000		< 18	18	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Endrin aldehyde				< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Endrin ketone				< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	g-BHC				< 7.2	7.2	< 1.4	1.4	< 1.5	1.5	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.4	1.4
	g-Chlordane				< 730	730	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	Heptachlor	42	2,100		< 36	36	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Heptachlor epoxide				< 38	38	< 6.8	6.8	< 7.4	7.4	< 7.3	7.3	< 6.9	6.9	< 7.5	7.5	< 6.8	6.8	< 6.9	6.9
	Methoxychlor				< 180	180	< 3.4	3.4	< 3.7	3.7	< 3.6	3.6	< 3.5	3.5	< 3.8	3.8	< 3.4	3.4	< 3.5	3.5
	Toxaphene				< 720	720	< 140	140	< 150	150	< 150	150	< 140	140	< 150	150	< 140	140	< 140	140
PCBs	PCB-1016	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1221	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1232	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1242	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1248	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1254	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1260	100	1,000		< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1262	100			< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
	PCB-1268	100			< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69
					< 72	72	< 68	68	< 74	74	< 73	73	< 69	69	< 75	75	< 68	68	< 69	69

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

Table 6
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives*	SB3		SB5		SB8		19B1				19B2			
			(0-2')		(0-2')		(0-2')		(0-4')		(23-25')		(0-4')		(23-25')	
			8/9/2018		8/9/2018		8/9/2018		2/10/2020		2/10/2020		2/10/2020		2/10/2020	
			µg/Kg		µg/Kg		µg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
	mg/Kg	mg/Kg	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			9,320	35	6,160	37	8,660	36	8,880	38	4,790	36	8,320	33	8,060	35
Antimony			< 3.5	3.5	< 3.7	3.7	< 3.6	3.6	< 3.8	3.8	< 3.6	3.6	< 3.3	3.3	< 3.5	3.5
Arsenic	13	16	4.21	0.71	8.83	0.74	2.76	0.72	3.21	0.75	2.05	0.72	2.7	0.66	1.12	0.70
Barium	350	400	169	0.7	799	0.7	76.8	0.7	75.1	0.8	38.5	0.7	74.4	0.7	43.6	0.7
Beryllium	7.2	72	0.48	0.28	0.33	0.30	0.44	0.29	0.45	0.30	0.39	0.29	0.39	0.26	0.5	0.28
Cadmium	2.5	4.3	0.63	0.35	1.02	0.37	0.51	0.36	1.43	0.38	0.96	0.36	1.18	0.33	0.94	0.35
Calcium			14,100	35	53,800	37	8,010	3.6	21,700	38	1,830	3.6	35,400	33	3,350	3.5
Chromium	30	180	23.9	0.35	22.9	0.37	20.1	0.36	19.3	0.38	14.5	0.36	16.4	0.33	19.2	0.35
Cobalt			8.39	0.35	8.29	0.37	7.41	0.36	8.24	0.38	7.68	0.36	6.22	0.33	8.35	0.35
Copper	50	270	29	0.7	61.3	0.7	31.5	0.7	26.7	0.8	22.6	0.7	21.7	0.7	40.3	0.7
Iron			21,900	35	17,300	37	19,100	36	21,300	38	18,600	36	18,500	33	18,200	35
Lead	63	400	240	7.1	817	7.4	93.1	0.7	100	0.8	38.1	0.7	79.1	0.7	7.8	0.7
Magnesium			5,980	35	10,500	37	3,520	3.6	8,590	38	2,900	3.6	3,590	3.3	3,410	3.5
Manganese	1,600	2,000	385	3.5	319	3.7	627	3.6	400	3.8	506	3.6	404	3.3	457	3.5
Mercury	0.18	0.81	0.36	0.03	0.87	0.03	0.11	0.03	0.14	0.03	< 0.03	0.03	0.15	0.03	< 0.03	0.03
Nickel	30	310	26	0.35	18.1	0.37	17.9	0.36	23.3	0.38	37.3	0.36	15.1	0.33	24.4	0.35
Potassium			1,490	7	1,150	7	1,300	7	1,240	8	1,140	7	1,150	7	1,690	7
Selenium	3.9	180	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.3	1.3	< 1.4	1.4
Silver	2	180	< 0.35	0.35	< 0.37	0.37	< 0.36	0.36	< 0.38	0.38	< 0.36	0.36	< 0.33	0.33	< 0.35	0.35
Sodium			567	7	383	7	415	7	786	8	220	7	555	7	830	7
Thallium			< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.5	1.5	< 1.4	1.4	< 1.3	1.3	< 1.4	1.4
Vanadium			32.3	0.35	22.6	0.37	29	0.36	28.6	0.38	27.8	0.36	25.9	0.33	33.6	0.35
Zinc	109	10,000	159	7.1	490	7.4	89.8	0.7	107	0.8	33.4	0.7	114	0.7	28.8	0.7

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Table 6
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives mg/Kg	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* mg/Kg	19B3R				19B4				19B5				19B6			
			(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')	
			8/24/2020		8/24/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020		2/10/2020		2/10/2020	
			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			7,720	32	6,570	36	5,840	33	5,990	31	9,130	34	3,620	36	4,260	38	3,750	31
Antimony			< 3.2	3.2	< 3.6	3.6	< 3.3	3.3	< 3.1	3.1	< 3.4	3.4	< 3.6	3.6	< 3.8	3.8	< 3.1	3.1
Arsenic	13	16	2.63	0.63	2.27	0.73	2.29	0.66	4.82	0.63	3	0.67	1.33	0.73	2.49	0.75	1.07	0.63
Barium	350	400	68.3	0.6	37.1	0.7	62.1	0.7	32.2	0.6	62.4	0.7	27.3	0.7	62.2	0.8	30.8	0.6
Beryllium	7.2	72	0.3	0.25	0.23	0.29	0.32	0.27	0.51	0.25	0.51	0.27	0.25	0.29	0.28	0.30	0.22	0.25
Cadmium	2.5	4.3	1.06	0.32	0.67	0.36	0.57	0.33	0.36	0.31	0.57	0.34	0.4	0.36	0.83	0.38	0.66	0.31
Calcium			15,600	32	14,900	36	20,700	33	1,860	3.1	23,300	34	1,220	3.6	78,700	38	1,470	3.1
Chromium	30	180	16.7	0.32	22.7	0.36	14.4	0.33	24.3	0.31	27.7	0.34	12.6	0.36	9.76	0.38	13.1	0.31
Cobalt			6.33	0.32	6.62	0.36	5.46	0.33	7.66	0.31	7.38	0.34	6.47	0.36	3.66	0.38	5.78	0.31
Copper	50	270	30.2	0.6	26.5	0.7	20.2	0.7	41.4	0.6	33.4	0.7	14.8	0.7	20.8	0.8	16.6	0.6
Iron			20,400	32	19,600	36	15,800	33	15,700	31	19,400	34	13,800	36	8,640	3.8	11,500	31
Lead	63	400	105	0.6	16.1	0.7	87.3	0.7	35.8	0.6	88.3	0.7	4.9	0.7	54.1	0.8	4.5	0.6
Magnesium			7,350	32	9,120	36	10,600	33	5,260	31	14,200	34	1,640	3.6	33,900	38	2,390	3.1
Manganese	1,600	2,000	345	3.2	317	3.6	263	3.3	393	3.1	418	3.4	249	3.6	239	3.8	300	3.1
Mercury	0.18	0.81	0.14	0.03	< 0.03	0.03	0.16	0.03	< 0.03	0.03	0.1	0.03	< 0.03	0.03	0.12	0.07	< 0.03	0.03
Nickel	30	310	18.6	0.32	20.4	0.36	13.9	0.33	38.2	0.31	30.6	0.34	19.9	0.36	12.8	0.38	28.2	0.31
Potassium			1,160	6	1,670	7	968	7	2,010	6	2,100	7	1,010	7	794	8	768	6
Selenium	3.9	180	< 1.3	1.3	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3
Silver	2	180	< 0.32	0.32	< 0.36	0.36	< 0.33	0.33	< 0.31	0.31	< 0.34	0.34	< 0.36	0.36	< 0.38	0.38	< 0.31	0.31
Sodium			432	6	392	7	292	7	653	6	500	7	147	7	315	8	181	6
Thallium			< 1.3	1.3	< 1.5	1.5	< 1.3	1.3	< 1.3	1.3	< 1.3	1.3	< 1.5	1.5	< 1.5	1.5	< 1.3	1.3
Vanadium			30.2	0.32	52.3	0.36	21.8	0.33	28.6	0.31	39.7	0.34	28.1	0.36	15.8	0.38	19.9	0.31
Zinc	109	10,000	389	6.3	47	0.7	103	0.7	51	0.6	81.3	0.7	21.4	0.7	74.4	0.8	26.3	0.6

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSCO Guidance Value

Table 6
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Metals

COMPOUND	NYSDEC Part 375.6 Unrestricted Use Soil Cleanup Objectives mg/Kg	NYDEC Part 375.6 Restricted Residential Soil Cleanup Objectives* mg/Kg	19B7				19B7R		19B8				19B8R		SOIL DUPLICATE		SOIL DUPLICATE 2		SOIL DUPLICATE 3	
			(0-4')		(23-25')		(6-8")		(0-4')		(23-25')		(6-8')		19B7 (23-25')		19B6 (23-25')		19B3 (0-4')	
			2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/6/2020		8/24/2020		2/6/2020		2/10/2020		8/24/2020	
			mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg		mg/Kg	
			Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum			9,410	35	4,570	31	10,800	40	7,350	35	3,080	37	10,800	40	3,470	34	3,350	35	8,260	38
Antimony			< 3.5	3.5	< 3.1	3.1	< 4.0	4.0	< 3.5	3.5	< 3.7	3.7	< 4.0	4.0	< 3.4	3.4	< 3.5	3.5	< 3.8	3.8
Arsenic	13	16	6.61	0.70	1.56	0.63	3.17	0.80	3.85	0.70	1.69	0.73	3.17	0.80	1.14	0.68	1.75	0.69	3.27	0.77
Barium	350	400	381	0.7	33.3	0.6	55.1	0.8	138	0.7	24.6	0.7	55.1	0.8	37.2	0.7	35	0.7	76.2	0.8
Beryllium	7.2	72	0.44	0.28	0.28	0.25	0.48	0.32	0.34	0.28	0.22	0.29	0.48	0.32	0.25	0.27	0.31	0.28	0.31	0.31
Cadmium	2.5	4.3	1	0.35	0.41	0.31	0.92	0.40	0.92	0.35	0.46	0.37	0.92	0.40	0.44	0.34	1.62	0.35	0.97	0.38
Calcium			23,200	35	1,620	3.1	775	4.0	22,400	35	1,580	3.7	775	4.0	1,520	3.4	1,430	3.5	26,200	38
Chromium	30	180	22.3	0.35	12.9	0.31	18.4	0.40	24.7	0.35	11.2	0.37	18.4	0.40	9.97	0.34	11.3	0.35	17.3	0.38
Cobalt			6.44	0.35	5.49	0.31	7.5	0.40	5.64	0.35	7.45	0.37	7.5	0.40	5.99	0.34	5.88	0.35	7.4	0.38
Copper	50	270	47.2	0.7	18.9	0.6	20.5	0.8	36.1	0.7	16.7	0.7	20.5	0.8	16.3	0.7	22.9	0.7	35.2	0.8
Iron			16,400	35	15,100	31	24,700	40	14,500	35	15,700	37	24,700	40	12,800	34	35,600	35	19,700	38
Lead	63	400	499	0.7	4	0.6	127	0.8	268	0.7	5.8	0.7	127	0.8	4.8	0.7	6.4	0.7	115	0.8
Magnesium			3,130	3.5	2,380	3.1	2,860	4.0	3,170	3.5	1,490	3.7	2,860	4.0	1,860	3.4	1,780	3.5	12,800	38
Manganese	1,600	2,000	1,990	35	285	3.1	275	4.0	262	3.5	317	3.7	275	4.0	274	3.4	994	3.5	349	3.8
Mercury	0.18	0.81	0.97	0.13	< 0.03	0.03	0.04	0.03	2.15	0.14	< 0.03	0.03	0.04	0.03	< 0.03	0.03	< 0.03	0.03	0.15	0.03
Nickel	30	310	20.5	0.35	22.1	0.31	20.2	0.40	21.5	0.35	21	0.37	20.2	0.40	21.2	0.34	33.1	0.35	17.5	0.38
Potassium			1,560	7	992	6	941	8	1,340	7	610	7	941	8	755	7	686	7	1,240	8
Selenium	3.9	180	2.5	1.4	< 1.3	1.3	< 1.6	1.6	< 1.4	1.4	< 1.5	1.5	< 1.6	1.6	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5
Silver	2	180	< 0.35	0.35	< 0.31	0.31	< 0.40	0.40	< 0.35	0.35	< 0.37	0.37	< 0.40	0.40	< 0.34	0.34	< 0.35	0.35	< 0.38	0.38
Sodium			483	7	207	6	86	8	335	7	109	7	86	8	184	7	188	7	520	8
Thallium			< 1.4	1.4	< 1.3	1.3	< 1.6	1.6	< 1.4	1.4	< 1.5	1.5	< 1.6	1.6	< 1.4	1.4	< 1.4	1.4	< 1.5	1.5
Vanadium			26.5	0.35	24.2	0.31	31.7	0.40	23	0.35	28.4	0.37	31.7	0.40	40	0.34	21.6	0.35	42.3	0.38
Zinc	109	10,000	278	0.7	44	0.6	40.9	0.8	203	0.7	20.9	0.7	40.9	0.8	56.1	0.7	35.4	0.7	118	0.8

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC RRSO Guidance Value

Table 7
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Emerging Contaminants

Compound	19B1				19B2				19B3				19B4			
	(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')	
	2/10/2020		2/10/2020		2/10/2020		2/10/2020		2/10/2020		2/10/2020		2/6/2020		2/6/2020	
	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Perfluorobutanoic Acid (PFBA)	0.050J	1.06	ND	0.95	0.027J	1.05	ND	1.01	ND	1.05	ND	2.48	0.030J	1.05	ND	1.03
Perfluoropentanoic Acid (PFPeA)	0.049J	1.06	ND	0.95	0.056J	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	0.153J	1.03
Perfluorobutanesulfonic Acid (PFBS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorohexanoic Acid (PFHxA)	0.085J	1.06	ND	0.95	0.080J	1.05	ND	1.01	0.065J	1.05	ND	2.48	0.062J	1.05	0.182J	1.03
Perfluoroheptanoic Acid (PFHpA)	0.079J	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	0.165J	1.03
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorooctanoic Acid (PFOA)	0.620J	1.06	0.061J	0.95	0.236J	1.05	ND	1.01	0.131J	1.05	ND	2.48	0.231J	1.05	0.752J	1.03
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorononanoic Acid (PFNA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorooctanesulfonic Acid (PFOS)	0.507J	1.06	ND	0.95	0.232J	1.05	ND	1.01	0.152J	1.05	ND	2.48	0.153J	1.05	ND	1.03
Perfluorodecanoic Acid (PFDA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluoroundecanoic Acid (PFUnA)	0.207J	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorodecanesulfonic Acid (PFDS)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorooctanesulfonamide (FOSA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorododecanoic Acid (PFDoA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorotridecanoic Acid (PFTriDA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Perfluorotetradecanoic Acid (PFTA)	ND	1.06	ND	0.95	ND	1.05	ND	1.01	ND	1.05	ND	2.48	ND	1.05	ND	1.03
Combined PFOA and PFOS	1.13J		0.061J		0.468J		ND		0.283J		ND		0.384J		0.752J	
Combined Total Detections	1.597J		0.061J		0.631J		ND		0.348J		ND		0.476J		1.252J	

Compound	19B1				19B2				19B4				19B5			
	(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')	
	2/10/2020		2/10/2020		2/10/2020		2/10/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020	
	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,4-dioxane	< 72	72	< 67	67	< 73	73	< 69	69	< 71	71	< 69	69	< 72	72	< 70	70

Notes:

DL- Detection Limit

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOS

Table 7
1015 Atlantic Avenue
Brooklyn, New York
Soil Analytical Results
Emerging Contaminants

Compound	19B5				19B6				19B7				19B8				SOIL DUPLICATE		SOIL DUPLICATE 2	
	(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		19B1 (0-4')		19B6 (23-25')	
	2/6/2020		2/6/2020		2/10/2020		2/10/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020		2/10/2020	
	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Perfluorobutanoic Acid (PFBA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluoropentanoic Acid (PFPeA)	0.064J	1.01	ND	0.997	0.047J	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorobutanesulfonic Acid (PFBS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorohexanoic Acid (PFHxA)	0.067J	1.01	ND	0.997	0.051J	0.927	ND	1.03	ND	1.1	ND	0.984	0.080J	1.04	ND	0.996	0.061J	1.13	ND	1.05
Perfluoroheptanoic Acid (PFHpA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorohexanesulfonic Acid (PFHxS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorooctanoic Acid (PFOA)	0.205J	1.01	0.082J	0.997	0.172J	0.927	ND	1.03	ND	1.1	0.047J	0.984	0.515J	1.04	ND	0.996	0.169J	1.13	0.050J	1.05
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluoroheptanesulfonic Acid (PFHpS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorononanoic Acid (PFNA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorooctanesulfonic Acid (PFOS)	0.136J	1.01	ND	0.997	0.171J	0.927	ND	1.03	ND	1.1	ND	0.984	0.380J	1.04	ND	0.996	0.224J	1.13	ND	1.05
Perfluorodecanoic Acid (PFDA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluoroundecanoic Acid (PFUnA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorodecanesulfonic Acid (PFDS)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorooctanesulfonamide (FOSA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	0.190J	1.13	ND	1.05
Perfluorododecanoic Acid (PFDoA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorotridecanoic Acid (PFTrDA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Perfluorotetradecanoic Acid (PFTA)	ND	1.01	ND	0.997	ND	0.927	ND	1.03	ND	1.1	ND	0.984	ND	1.04	ND	0.996	ND	1.13	ND	1.05
Combined PFOA and PFOS	0.341J		0.082J		0.343J		ND		ND		0.047J		0.895J		ND		0.393J		0.050J	
Combined Total Detections	0.472J		0.082J		0.441J		ND		ND		0.047J		0.975J		ND		0.644J		0.050J	

Compound	19B6				19B7				19B8				SB8				DUPLICATE		DUPLICATE	
	(0-4')		(23-25')		(0-4')		(23-25')		(0-4')		(23-25')		(20-22')		(22-22')		2/6/2020		2/10/2020	
	2/10/2020		2/10/2020		2/6/2020		2/6/2020		2/6/2020		2/6/2020		10/9/2018		10/9/2018		2/6/2020		2/10/2020	
	µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg		µg/Kg	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
1,4-dioxane	< 100	100	< 69	69	< 150	150	< 68	68	< 73	73	< 70	70	< 2200	2,200	< 77	77	< 68	68	< 69	69

Notes:

DL- Detection Limit

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOS

Table 8
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards	MW1		MW2		MW3		Duplicate (MW2)	
		3/10/2020		3/10/2020		3/10/2020		3/10/2020	
		µg/L		µg/L		µg/L		µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,1-Trichloroethane	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
1,1,2,2-Tetrachloroethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1,2-Trichloroethane	1	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,1-Dichloroethane	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
1,1-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,3-Trichlorobenzene		< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2,4-Trichlorobenzene		< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromo-3-chloropropane	0.04	< 2.5	2.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
1,2-Dichlorobenzene	0.0006	< 4.7	4.7	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
1,2-Dichloroethane		< 1.3	1.3	< 0.60	0.60	< 0.60	0.60	< 0.60	0.60
1,2-Dichloropropane	0.6	< 1.3	1.3	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
1,2-Dibromoethane	1	< 1.3	1.3	< 0.25	0.25	< 0.25	0.25	< 0.25	0.25
1,3-Dichlorobenzene	3	< 3.0	3.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
1,4-Dichlorobenzene		< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
2-Hexanone (Methyl Butyl Ketone)	50	< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
4-Methyl-2-Pentanone		< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Acetone	50	< 25	25	< 5.0	5.0	2.6	5.0	2.8	5.0
Acrolein	5	< 13	13	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Acrylonitrile	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Benzene	1	< 1.3	1.3	< 0.70	0.70	< 0.70	0.70	< 0.70	0.70
Bromochloromethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromodichloromethane	50	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromoform	50	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Bromomethane	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
Carbon Disulfide		< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Carbon tetrachloride	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Chlorobenzene	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
Chloroethane	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
Chloroform	7	7.9	7.0	0.79	2.0	1.4	2.0	0.92	2.0
Chloromethane	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
cis-1,2-Dichloroethene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
cis-1,3-Dichloropropene	0.04	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Cyclohexane		< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Dibromochloromethane	50	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Dichlorodifluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Ethylbenzene	5	18	5.0	0.53	1.0	< 1.0	1.0	0.58	1.0
Isopropylbenzene	5	2.2	5.0	9	1.0	< 1.0	1.0	9.6	1.0
m&p-Xylenes		69	5.0	2.2	1.0	< 1.0	1.0	2.3	1.0
Methyl Ethyl Ketone (2-Butanone)	50	< 25	25	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Methyl t-butyl ether (MTBE)		< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Methylacetate		< 13	13	< 2.5	2.5	< 2.5	2.5	< 2.5	2.5
Methylcyclohexane		< 10	10	1.6	2.0	< 2.0	2.0	< 2.0	2.0
Methylene chloride	5	< 5.0	5.0	< 3.0	3.0	< 3.0	3.0	< 3.0	3.0
o-Xylene	5	29	5.0	0.4	1.0	< 1.0	1.0	0.44	1.0
Styrene	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Tert-butyl alcohol		< 250	250	< 50	50	< 50	50	< 50	50
Tetrachloroethene	5	< 5.0	5.0	0.81	1.0	2.2	1.0	0.79	1.0
Toluene	5	22	10	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
trans-1,2-Dichloroethene	5	< 5.0	5.0	< 2.0	2.0	< 2.0	2.0	< 2.0	2.0
trans-1,3-Dichloropropene	0.4	< 1.3	1.3	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
Trichloroethene	5	1.3	5.0	2.3	1.0	3.7	1.0	2.2	1.0
Trichlorofluoromethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Trichlorotrifluoroethane	5	< 5.0	5.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Vinyl Chloride	2	< 2.0	2.0	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 9
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
Semi-Volatile Organic Compounds

Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		MW2		MW3		Duplicate (MW2)	
		3/10/2020		3/10/2020		3/10/2020		3/10/2020	
		µg/L		µg/L		µg/L		µg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
1,1-Biphenyl		< 5.0	5.0	< 3.6	3.6	< 3.7	3.7	< 4.0	4.0
1,2,4,5-Tetrachlorobenzene		< 7.0	7.0	< 3.6	3.6	< 3.7	3.7	< 4.0	4.0
2,3,4,6-tetrachloropheno		< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dichlorophenol	5	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dimethylphenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrophenol	5	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2,4,5-Trichlorophenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,4,6-Trichlorophenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2,6-Dinitrotoluene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Chloronaphthalene	10	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
2-Chlorophenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Methylnaphthalene		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
2-Methylphenol (o-cresol)	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
2-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
2-Nitrophenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
3&4-Methylphenol (m&p-cresol)		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
3,3'-Dichlorobenzidine	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
3-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4,6-Dinitro-2-methylphenol	1	< 2.0	2.0	< 1.0	1.0	< 1.1	1.1	< 1.1	1.1
4-Bromophenyl phenyl ether		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
4-Chloro-3-methylphenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
4-Chloroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Chlorophenyl phenyl ether		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
4-Nitroaniline	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
4-Nitrophenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Acenaphthene	20	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Acenaphthylene		< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Acetophenone		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Anthracene	50	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Atrazine		< 2.0	2.0	< 1.0	1.0	< 1.1	1.1	< 1.1	1.1
Benzaldehyde		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Benzo(a)anthracene	0.002	0.08	0.04	0.05	0.02	0.14	0.02	< 0.02	0.02
Benzo(a)pyrene		< 0.04	0.04	0.04	0.02	0.1	0.02	< 0.02	0.02
Benzo(b)fluoranthene	0.002	< 0.04	0.04	0.03	0.02	0.1	0.02	< 0.02	0.02
Benzo(g,h,i)perylene		< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Benzo(k)fluoranthene	0.002	< 0.04	0.04	0.04	0.02	0.1	0.02	< 0.02	0.02
Butyl benzyl phthalate	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Bis(2-chloroethoxy)methane	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Bis(2-chloroethyl)ether	1	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Bis(2-chloroisopropyl)ether		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Bis(2-ethylhexyl)phthalate	5	100	2.0	7	1.0	< 1.1	1.1	13	1.1
Caprolactam		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Carbazole		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Chrysene	0.002	0.13	0.04	0.04	0.02	0.13	0.02	< 0.02	0.02
Dibenzo(a,h)anthracene		< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Dibenzofuran		< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Diethylphthalate	50	< 10	10	< 5.1	5.1	2.7	5.3	< 5.7	5.7
Dimethylphthalate	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Di-n-butylphthalate	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Di-n-octylphthalate	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Fluoranthene	50	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Fluorene	50	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Hexachlorobenzene	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04	< 0.04	0.04
Hexachlorobutadiene	0.5	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50	< 0.50	0.50
Hexachlorocyclopentadiene	5	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Hexachloroethane	5	< 2.0	2.0	< 1.0	1.0	< 1.1	1.1	< 1.1	1.1
Indeno(1,2,3-cd)pyrene	0.002	< 0.04	0.04	0.03	0.02	0.06	0.02	< 0.02	0.02
Isophorone	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Naphthalene	10	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0	< 5.0	5.0
Nitrobenzene	0.4	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40	< 0.40	0.40
N-Nitrosodimethylamine		< 0.40	0.40	< 0.20	0.20	< 0.21	0.21	< 0.23	0.23
N-Nitrosodi-n-propylamine		< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
N-Nitrosodiphenylamine	50	< 10	10	< 5.1	5.1	< 5.3	5.3	< 5.7	5.7
Pentachlorophenol	1	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Phenanthrene	50	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57
Phenol	1	< 1.8	1.8	< 1.0	1.0	< 1.0	1.0	< 1.0	1.0
Pyrene	50	< 1.0	1.0	< 0.51	0.51	< 0.53	0.53	< 0.57	0.57

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 10
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
Pesticides/PCBs

	Compound	NYSDEC Groundwater Quality Standards µg/L	MW1		MW2		MW3		Duplicate (MW2)	
			3/10/2020		3/10/2020		3/10/2020		3/10/2020	
			µg/L		µg/L		µg/L		µg/L	
			Result	RL	Result	RL	Result	RL	Result	RL
Pesticides	4,4-DDD	0.3	< 0.010	0.010	< 0.007	0.007	< 0.005	0.005	< 0.006	0.006
	4,4-DDE	0.2	< 0.010	0.010	< 0.005	0.005	< 0.005	0.005	< 0.006	0.006
	4,4-DDT	0.2	< 0.010	0.010	< 0.007	0.007	< 0.005	0.005	< 0.008	0.008
	a-BHC	0.01	< 0.010	0.010	< 0.005	0.005	< 0.005	0.005	< 0.006	0.006
	a-chlordane		< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Alachlor	0.5	< 0.38	0.38	< 0.075	0.075	< 0.077	0.077	< 0.082	0.082
	Aldrin		< 0.008	0.008	< 0.006	0.006	< 0.002	0.002	< 0.010	0.010
	b-BHC	0.04	< 0.034	0.034	< 0.005	0.005	< 0.020	0.020	< 0.006	0.006
	Chlordane	0.05	< 0.10	0.10	< 0.050	0.050	< 0.021	0.021	< 0.022	0.022
	d-BHC	0.04	< 0.025	0.025	< 0.005	0.005	< 0.020	0.020	< 0.006	0.006
	Dieldrin	0.004	< 0.010	0.010	< 0.002	0.002	< 0.004	0.004	< 0.002	0.002
	Endosulfan I		< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endosulfan II		< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endosulfan Sulfate		< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	Endrin		< 0.025	0.025	< 0.010	0.010	< 0.005	0.005	< 0.006	0.006
	Endrin aldehyde	5	< 0.050	0.050	< 0.010	0.010	< 0.020	0.020	< 0.011	0.011
	Endrin ketone	5	< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.011	0.011
	gamma-BHC	0.05	< 0.025	0.025	< 0.005	0.005	< 0.005	0.005	< 0.006	0.006
	g-chlordane		< 0.050	0.050	< 0.010	0.010	< 0.010	0.010	< 0.020	0.020
	Heptachlor	0.04	< 0.025	0.025	< 0.010	0.010	< 0.005	0.005	< 0.006	0.006
	Heptachlor epoxide	0.03	< 0.025	0.025	< 0.010	0.010	< 0.005	0.005	< 0.010	0.010
	Methoxychlor	35	< 0.50	0.50	< 0.10	0.10	< 0.10	0.10	< 0.11	0.11
	Toxaphene	0.06	< 1.0	1.0	< 0.20	0.20	< 0.21	0.21	< 0.22	0.22
PCBs	PCB-1016	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1221	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1232	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1242	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1248	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1254	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1260	0.09	< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1262		< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055
	PCB-1268		< 0.090	0.090	< 0.050	0.050	< 0.052	0.052	< 0.055	0.055

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 11
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
TAL Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		MW2		MW3		Duplicate (MW2)	
		3/10/2020		3/10/2020		3/10/2020		3/10/2020	
		mg/L		mg/L		mg/L		mg/L	
		Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	0.1	696	2.0	7.16	0.020	6.16	0.020	18.2	0.020
Antimony	0.003	< 0.0030	0.0030	< 0.0030	0.0030	< 0.0030	0.0030	< 0.0030	0.0030
Arsenic	0.025	0.223	0.040	< 0.004	0.004	< 0.004	0.004	0.006	0.004
Barium	1	6.69	0.10	0.473	0.010	0.346	0.010	0.562	0.010
Beryllium	0.003	0.033	0.010	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	0.03	0.040	< 0.004	0.004	< 0.004	0.004	0.001	0.004
Calcium		1,050	0.10	134	0.010	125	0.010	139	0.010
Chromium	0.05	3.31	0.010	0.036	0.001	0.023	0.001	0.079	0.001
Cobalt		0.919	0.050	0.009	0.005	0.009	0.005	0.015	0.005
Copper	0.2	2.74	0.050	0.023	0.005	0.024	0.005	0.049	0.005
Iron	0.3	1,470	1.0	15.1	0.01	10.7	0.01	33	0.01
Lead	0.025	0.836	0.020	0.009	0.002	0.015	0.002	0.022	0.002
Magnesium	35	706	0.10	38.6	0.010	36.5	0.010	46.8	0.010
Manganese	0.3	45.2	0.50	2.75	0.050	2.95	0.050	3.24	0.050
Mercury	0.0007	< 0.0007	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	5.82	0.040	0.053	0.004	0.055	0.004	0.108	0.004
Potassium		153	1.0	11.4	0.1	9.5	0.1	13.8	0.1
Selenium	0.01	< 0.010	0.010	0.001	0.010	0.002	0.010	0.001	0.010
Silver	0.05	0.069	0.005	< 0.005	0.005	0.002	0.005	< 0.005	0.005
Sodium	20	104	1.0	113	1.0	88.5	1.0	123	1.0
Thallium	0.0005	0.0083	0.0005	< 0.0005	0.0005	< 0.0005	0.0005	< 0.0005	0.0005
Vanadium		1.6	0.10	0.013	0.010	0.013	0.010	0.036	0.010
Zinc	5	4.46	0.10	0.033	0.010	0.039	0.010	0.085	0.010

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 12
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
TAL Filtered Metals

Compound	NYSDEC Groundwater Quality Standards mg/L	MW1		MW2		MW3		MW3		Duplicate (MW2)	
		3/10/2020		3/10/2020		3/10/2020		3/12/2020		3/10/2020	
		mg/L		mg/L		mg/L		mg/L		mg/L	
		Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
Aluminum	0.1	0.049	0.011	0.052	0.011	0.04	0.011	0.05	0.011	0.045	0.011
Antimony	0.003	< 0.001	0.001	0.0001	0.0003	0.0002	0.0003	0.0002	0.0003	0.0002	0.0003
Arsenic	0.025	< 0.003	0.003	< 0.003	0.003	< 0.003	0.003	0.002	0.003	< 0.003	0.003
Barium	1	0.238	0.011	0.384	0.011	0.278	0.011	0.272	0.011	0.379	0.011
Beryllium	0.003	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cadmium	0.005	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004	< 0.004	0.004
Calcium		87.5	0.01	128	0.01	121	0.01	124	0.01	127	0.01
Chromium	0.05	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001	< 0.001	0.001
Cobalt		0.005	0.005	0.004	0.005	0.004	0.005	0.004	0.005	0.004	0.005
Copper	0.2	0.004	0.005	0.001	0.005	0.001	0.005	< 0.005	0.005	< 0.005	0.005
Iron	0.3	0.03	0.01	0.39	0.01	0.02	0.01	0.94	0.01	0.23	0.01
Lead	0.025	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002	< 0.002	0.002
Magnesium	35	26.2	0.01	33.5	0.01	31.9	0.01	34.2	0.01	33.4	0.01
Manganese	0.3	1.11	0.005	2.53	0.053	2.71	0.053	2.53	0.053	2.51	0.053
Mercury	0.0007	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002	< 0.0002	0.0002
Nickel	0.1	0.048	0.004	0.022	0.004	0.024	0.004	0.042	0.004	0.023	0.004
Potassium		9.4	0.1	9	0.1	8.1	0.1	7.7	0.1	8.6	0.1
Selenium	0.01	0.001	0.002	< 0.002	0.002	0.002	0.002	0.0002	0.0003	< 0.002	0.002
Silver	0.05	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005	< 0.005	0.005
Sodium	20	58.4	1.1	113	1.1	86.6	1.1	92	1.1	120	1.1
Thallium	0.0005	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003	< 0.0003	0.0003
Vanadium		< 0.011	0.011	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011	< 0.011	0.011
Zinc	5	0.005	0.011	0.002	0.011	0.003	0.011	0.005	0.011	0.002	0.011

Notes:

RL - Reporting Limit

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

Table 13
1015 Atlantic Avenue
Brooklyn, New York
Groundwater Analytical Results
Emerging Contaminants

Compound	MW1		MW2		MW3		Duplicate (MW2)	
	3/10/2020		3/10/2020		3/10/2020		3/10/2020	
	ng/L		ng/L		ng/L		ng/L	
	Result	DL	Result	DL	Result	DL	Result	DL
Perfluorobutanoic Acid (PFBA)	4.6	3.03	9.02	2.13	7.79	2.12	8.22	2.39
Perfluoropentanoic Acid (PFPeA)	10.4	3.03	19.2	2.13	18.3	2.12	18.4	2.39
Perfluorobutanesulfonic Acid (PFBS)	2.38J	3.03	4.91	2.13	5.33	2.12	4.79	2.39
Perfluorohexanoic Acid (PFHxA)	7.34	3.03	14.4	2.13	13.4	2.12	13.1	2.39
Perfluoroheptanoic Acid (PFHpA)	2.53J	3.03	9.42	2.13	9.52	2.12	9.71	2.39
Perfluorohexanesulfonic Acid (PFHxS)	0.618J	3.03	6.53	2.13	5.3	2.12	6.75	2.39
Perfluorooctanoic Acid (PFOA)	3.8	3.03	45.6	2.13	38.6	2.12	45.2	2.39
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	3.03	2.45	2.13	6.26	2.12	2.76	2.39
Perfluoroheptanesulfonic Acid (PFHpS)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorononanoic Acid (PFNA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorooctanesulfonic Acid (PFOS)	ND	3.03	1.62J	2.13	1.15J	2.12	1.22J	2.39
Perfluorodecanoic Acid (PFDA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluoroundecanoic Acid (PFUnA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorodecanesulfonic Acid (PFDS)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorooctanesulfonamide (FOSA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorododecanoic Acid (PFDoA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorotridecanoic Acid (PFTrDA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Perfluorotetradecanoic Acid (PFTA)	ND	3.03	ND	2.13	ND	2.12	ND	2.39
Combined PFOA and PFOS	3.8		47.2J		39.8J		46.4J	
Combined Total Detections	31.668 J		113.15 J		105.65 J		110.15 J	

Compound	MW1		MW2		MW3		Duplicate	
	3/10/2020		3/10/2020		3/10/2020		3/10/2020	
	µg/L		µg/L		µg/L		µg/L	
	Result	RL	Result	RL	Result	RL	Result	RL
1,4-dioxane	1.6	0.20	0.23	0.20	0.38	0.20	0.52	0.20

Notes:

DL- Detection Limit

J- The value is estimated.

ND- Not Detected

The USEPA Health Advisory Level for drinking water is 70 ng/L (ppt) for combined detections of PFOA and PFOS

Table 14
1015 Atlantic Avenue
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value ($\mu\text{g}/\text{m}^3$) ^(a)	NYSDOH Soil Outdoor Background Levels ($\mu\text{g}/\text{m}^3$) ^(b)	SG1		SG2		SG3		SG4	
			3/10/2020		3/10/2020		3/10/2020		3/10/2020	
			$\mu\text{g}/\text{m}^3$		$\mu\text{g}/\text{m}^3$		$\mu\text{g}/\text{m}^3$		$\mu\text{g}/\text{m}^3$	
			Result	RL	Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane	100	<2.0 - 2.8	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane	5	<1.0	< 5.02	5.02	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	< 5.01	5.01	3.95	1.00	4	1.00	4.23	1.00
1,2-Dibromoethane		<1.5	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 5.02	5.02	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 5.01	5.01	1.12	1.00	1.11	1.00	1.27	1.00
1,3-Butadiene	30	NA	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 5.00	5.00	1.24	1.00	< 1.00	1.00	1.27	1.00
1,4-Dichlorobenzene		NA	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	5.16	5.01	< 1.00	1.00	1.07	1.00	1.12	1.00
4-Isopropyltoluene			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Acetone		NA	1,540	29.9	194	5.01	28.3	1.00	245	5.01
Acrylonitrile			< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene	5	<1.6 - 4.7	121	5.01	2.69	1.00	< 1.00	1.00	1.89	1.00
Benzyl Chloride		NA	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromofrom		<1.0	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Tetrachloride		<3.1	< 1.00	1.00	0.45	0.20	< 0.20	0.20	0.66	0.20
Chlorobenzene		<2.0	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	< 4.98	4.98	6.15	1.00	< 1.00	1.00	41.2	1.00
Chloromethane	5	<1.0 - 1.4	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 1.00	1.00	0.76	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 15.0	15.0	< 1.00	1.00	1.09	1.00	< 1.00	1.00
Dibromochloromethane		<5.0	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane		NA	< 4.99	4.99	2.33	1.00	2.23	1.00	2.21	1.00
Ethanol			128	5.01	74.8	1.00	26.4	1.00	35	1.00
Ethyl Acetate		NA	< 5.01	5.01	9.26	1.00	2.56	1.00	4.97	1.00
Ethylbenzene		<4.3	122	4.99	3.18	1.00	3.19	1.00	3.41	1.00
Heptane		NA	1,160	15.0	3.41	1.00	1.24	1.00	2.2	1.00
Hexachlorobutadiene	30	NA	< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	638	5.00	< 1.00	1.00	< 1.00	1.00	1.48	1.00
Isopropylalcohol		NA	106	5.01	13.1	1.00	2.24	1.00	6.49	1.00
Isopropylbenzene			6.98	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	64.7	4.99	11.6	1.00	11.1	1.00	11.8	1.00
Methyl Ethyl Ketone			109	5.01	63.4	1.00	7.66	1.00	19	1.00
MTBE		NA	< 5.01	5.01	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 15.0	15.0	4.93	3.00	3.18	3.00	3.89	3.00
n-Butylbenzene			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	12.1	4.99	4.64	1.00	5.16	1.00	4.9	1.00
Propylene	5	NA	55	5.01	8.03	1.00	1.48	1.00	10.5	1.00
sec-Butylbenzene			< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Styrene		<1.0	< 4.98	4.98	1.77	1.00	1.58	1.00	1.78	1.00
Tetrachloroethene			15.4	1.25	39.8	0.25	50.8	0.25	31.7	0.25
Tetrahydrofuran		NA	< 5.01	5.01	9.43	1.00	6.1	1.00	8.11	1.00
Toluene		1.0 - 6.1	< 5.01	5.01	19.7	1.00	12.4	1.00	15.6	1.00
trans-1,2-Dichloroethene		NA	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 4.99	4.99	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene		<1.7	< 1.00	1.00	5.03	0.20	< 0.20	0.20	< 0.20	0.20
Trichlorofluoromethane		NA	< 5.00	5.00	1.21	1.00	1.11	1.00	1.2	1.00
Trichlorotrifluoroethane	5		< 5.00	5.00	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 1.00	1.00	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEx			319.8		41.81		31.85		37.6	
Total VOCs			4083.34		485.98		174		460.88	

Notes:

NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York. October 2006. New York State Department of Health.

(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2005, Summary of Background Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 14
1015 Atlantic Avenue
Brooklyn, New York
Soil Gas - Volatile Organic Compounds

COMPOUNDS	NYSDOH Maximum Sub-Slab Value (µg/m ³) ^(a)	NYSDOH Soil Outdoor Background Levels (µg/m ³) ^(b)	SG5		SG6		SG7	
			3/10/2020		3/10/2020		3/10/2020	
			µg/m ³		µg/m ³		µg/m ³	
			Result	RL	Result	RL	Result	RL
1,1,1,2-Tetrachloroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,1-Trichloroethane	100	<2.0 - 2.8	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2,2-Tetrachloroethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1,2-Trichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,1-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
1,2,4-Trichlorobenzene		NA	1.05	1.00	< 1.00	1.00	< 1.00	1.00
1,2,4-Trimethylbenzene		<1.0	2.02	1.00	4.09	1.00	3.85	1.00
1,2-Dibromoethane		<1.5	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloroethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichloropropane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,2-Dichlorotetrafluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3,5-Trimethylbenzene		<1.0	< 1.00	1.00	1.08	1.00	1.15	1.00
1,3-Butadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,3-Dichlorobenzene		<2.0	< 1.00	1.00	1.27	1.00	1.54	1.00
1,4-Dichlorobenzene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
1,4-Dioxane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
2-Hexanone			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Ethyltoluene		NA	1.06	1.00	< 1.00	1.00	< 1.00	1.00
4-Isopropyltoluene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
4-Methyl-2-pentanone			< 1.00	1.00	1.57	1.00	2.22	1.00
Acetone		NA	76.7	1.00	62.9	1.00	335	5.01
Acrylonitrile			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Benzene		<1.6 - 4.7	< 1.00	1.00	1.32	1.00	1.78	1.00
Benzyl Chloride		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromodichloromethane		<5.0	< 1.00	1.00	1.01	1.00	< 1.00	1.00
Bromoform		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Bromomethane		<1.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Carbon Disulfide		NA	< 1.00	1.00	1.3	1.00	< 1.00	1.00
Carbon Tetrachloride	5	<3.1	0.9	0.20	0.31	0.20	< 0.20	0.20
Chlorobenzene		<2.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroethane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Chloroform		<2.4	15	1.00	29.6	1.00	1.42	1.00
Chloromethane		<1.0 - 1.4	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
cis-1,2-Dichloroethene		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
cis-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Cyclohexane		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dibromochloromethane		<5.0	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Dichlorodifluoromethane		NA	< 1.00	1.00	2.16	1.00	2.08	1.00
Ethanol			11.5	1.00	34.5	1.00	41.6	1.00
Ethyl Acetate		NA	< 1.00	1.00	9.11	1.00	4.93	1.00
Ethylbenzene		<4.3	2.14	1.00	2.43	1.00	2.72	1.00
Heptane		NA	< 1.00	1.00	1.07	1.00	1.85	1.00
Hexachlorobutadiene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Hexane		<1.5	< 1.00	1.00	1.12	1.00	1.51	1.00
Isopropylalcohol		NA	1.19	1.00	2.92	1.00	14.7	1.00
Isopropylbenzene			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (m&p)		<4.3	8.16	1.00	9.59	1.00	10.3	1.00
Methyl Ethyl Ketone			6.87	1.00	7.49	1.00	24.6	1.00
MTBE		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Methylene Chloride		<3.4	< 3.00	3.00	4.13	3.00	3.78	3.00
n-Butylbenzene			1.29	1.00	< 1.00	1.00	< 1.00	1.00
Xylene (o)		<4.3	5.38	1.00	3.88	1.00	4.23	1.00
Propylene		NA	1.74	1.00	1.59	1.00	8.84	1.00
sec-Butylbenzene			< 1.00	1.00	< 1.00	1.00	4.3	1.00
Styrene		<1.0	1.17	1.00	1.29	1.00	1.49	1.00
Tetrachloroethene	30		49.1	0.25	26.6	0.25	30	0.25
Tetrahydrofuran		NA	1.99	1.00	5.19	1.00	8.78	1.00
Toluene		1.0 - 6.1	5.95	1.00	11.6	1.00	13.9	1.00
trans-1,2-Dichloroethene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
trans-1,3-Dichloropropene		NA	< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Trichloroethene	5	<1.7	< 0.20	0.20	< 0.20	0.20	0.3	0.20
Trichlorofluoromethane		NA	1.22	1.00	1.22	1.00	1.02	1.00
Trichlorotrifluoroethane			< 1.00	1.00	< 1.00	1.00	< 1.00	1.00
Vinyl Chloride		<1.0	< 0.20	0.20	< 0.20	0.20	< 0.20	0.20
BTEX			21.63		28.82		32.93	
Total VOCs			194.43		230.34		527.89	

Notes:

NA No guidance value or standard available

(a) Final Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006 Health.

(b) NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York, February 2006 Levels for Selected Compounds (NYSDOH Database, Outdoor values)

Table 15
1015 Atlantic Avenue
Brooklyn, New York
Remaining Soil Sample Exceedences
Parameters Detected Above Track 1 Soil Cleanup Objectives

COMPOUND	Range in Exceedances	Frequency of Detection	SB1	SB3	SB5	SB8	SB8		19B1		19B2	193BR
			(8-10')	(0-2')	(0-2')	(0-2')	(18-20')	(20-22')	(0-2')	(2-4')	(0-4')	(0-4')
			8/19/2018	8/19/2018	8/198/2018	8/19/2018	8/19/2018	10/9/2018	2/10/2020	2/10/2020	2/10/2020	8/24/2020
Sample Results in µg/Kg												
1,2,4-Trimethylbenzene	180,000	1	-	-	-	-	180,000	-	-	-	-	-
1,3,5-Trimethylbenzene	52,000	1	-	-	-	-	52,000	-	-	-	-	-
Benzene	1,200	1	-	-	-	-	1,200	-	-	-	-	-
Ethylbenzene	86,000	1	-	-	-	-	86,000	-	-	-	-	-
m&p-Xylene	310,000	1	-	-	-	-	310,000	-	-	-	-	-
Naphthalene	21,000	1	-	-	-	-	21,000	-	-	-	-	-
n-Propyltoluene	29,000	1	-	-	-	-	29,000	-	-	-	-	-
o-Xylene	130,000	1	-	-	-	-	130,000	-	-	-	-	-
Toluene	250,000	1	-	-	-	-	250,000	-	-	-	-	-
Total Xylenes	1,950	1	-	-	-	-	-	1,950	-	-	-	-
Sample Results in µg/Kg												
Benz(a)anthracene	1,300 - 30,000	5	2,600	-	-	-	-	-	-	-	-	1,300
Benzo(a)pyrene	1,300 - 29,000	5	1,500	-	-	-	-	-	-	-	-	1,300
Benzo(b)fluoranthene	1,200 - 20,000	5	2,000	-	-	-	-	-	-	-	-	1,200
Benzo(k)fluoranthene	890 - 19,000	5	1,700	-	-	-	-	-	-	-	-	890
Chrysene	1,300 - 25,000	5	2,600	-	-	-	-	-	-	-	-	1,300
Dibenz(a,h)anthracene	980 - 4,100	3	3,600	-	-	-	-	-	-	-	-	-
Indeno(1,2,3-cd)pyrene	500 - 17,000	9	1,500	-	-	-	-	-	-	-	500	870
Sample Results in µg/Kg												
4,4' -DDD	62	1	-	-	-	-	-	-	-	-	-	-
4,4' -DDE	4.3	1	-	-	-	-	-	-	-	-	-	-
4,4' -DDT	9.5 - 59	2	-	-	-	-	-	-	-	-	-	-
Dieldrin	28	1	-	-	-	-	-	-	-	-	-	-
Sample Results in mg/kg												
Barium	381-791	2	-	-	791	-	-	-	-	-	-	-
Copper	61.3	1	-	-	61.3	-	-	-	-	-	-	-
Lead	79.1 - 817	12	-	240	817	93.1	-	-	100	-	79.1	105
Manganese	1,990	1	-	-	-	-	-	-	-	-	-	-
Mercury	0.36 - 2.15	4	-	0.36	0.87	-	-	-	-	-	-	-
Nickel	30.6 - 38.2	4	-	-	-	-	-	-	-	37.3	-	-
Zinc	114 - 490	6	-	159	490	-	-	-	-	-	114	389

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

-- Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC Residential SCO Guidance Value

Table 15
1015 Atlantic Avenue
Brooklyn, New York
Remaining Soil Sample Exceedences
Parameters Detected Above Track 1 Soil Cleanup Objectives

COMPOUND	Range in Exceedances	Frequency of Detection	19B4		19B5	19B6	19B7	19B7R	19B8	19B8R	SOIL DUPLICATE 3 (19B6)	SOIL DUPLICATE 3 (19B3R)
			(0-4')	(23-25')	(0-4')	(0-4')	(0-4')	(6-8')	(0-4')	(6-8')	(23-25')	(0-4')
			2/6/2020	2/6/2020	2/6/2020	2/10/2020	2/6/2020	8/24/2020	2/6/2020	8/24/2020	2/10/2020	8/24/2020
Sample Results in µg/Kg												
1,2,4-Trimethylbenzene	180,000	1	-	-	-	-	-	-	-	-	-	-
1,3,5-Trimethylbenzene	52,000	1	-	-	-	-	-	-	-	-	-	-
Benzene	1,200	1	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	86,000	1	-	-	-	-	-	-	-	-	-	-
m&p-Xylene	310,000	1	-	-	-	-	-	-	-	-	-	-
Naphthalene	21,000	1	-	-	-	-	-	-	-	-	-	-
n-Propyltoluene	29,000	1	-	-	-	-	-	-	-	-	-	-
o-Xylene	130,000	1	-	-	-	-	-	-	-	-	-	-
Toluene	250,000	1	-	-	-	-	-	-	-	-	-	-
Total Xylenes	1,950	1	-	-	-	-	-	-	-	-	-	-
Sample Results in µg/Kg												
Benz(a)anthracene	1,300 - 30,000	5	-	-	-	-	30,000	-	6,900	1,800	-	-
Benzo(a)pyrene	1,300 - 29,000	5	-	-	-	-	29,000	-	6,900	1,500	-	-
Benzo(b)fluoranthene	1,200 - 20,000	5	-	-	-	-	20,000	-	5,400	1,200	-	-
Benzo(k)fluoranthene	890 - 19,000	5	-	-	-	-	19,000	-	4,500	1,400	-	-
Chrysene	1,300 - 25,000	5	-	-	-	-	25,000	-	6,700	1,700	-	-
Dibenz(a,h)anthracene	980 - 4,100	3	-	-	-	-	4,100	-	980	-	-	-
Indeno(1,2,3-cd)pyrene	500 - 17,000	9	600	-	670	-	17000	-	4,300	720	-	540
Sample Results in µg/Kg												
4,4' -DDD	62	1	-	-	-	-	62	-	-	-	-	-
4,4' -DDE	4.3	1	-	-	-	4.3	-	-	-	-	-	-
4,4' -DDT	9.5 - 59	2	-	-	-	9.5	59	-	-	-	-	-
Dieldrin	28	1	-	-	-	-	28	-	-	-	-	-
Sample Results in mg/kg												
Barium	381-791	2	-	-	-	-	381	-	-	-	-	-
Copper	61.3	1	-	-	-	-	-	-	-	-	-	-
Lead	79.1 - 817	12	87.3	-	88.3	-	499	127	268	127	-	-
Manganese	1,990	1	-	-	-	-	1,990	-	-	-	-	-
Mercury	0.36 - 2.15	4	-	-	-	-	0.97	-	2.15	-	-	-
Nickel	30.6 - 38.2	4	-	38.2	30.6	-	-	-	-	-	33.1	-
Zinc	114 - 490	6	-	-	-	-	278	-	203	-	-	-

Notes:

* - 6 NYCRR Part 375-6 Remedial Program Soil Cleanup Objectives

RL - Reporting Limit

-- Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC UUSCO Guidance Value

Bold/highlighted- Indicated exceedance of the NYSDEC Residential SCO Guidance Value

Table 16
1015 Atlantic Avenue
Brooklyn, New York
Parameters Detected Above Ambient Groundwater Standards

COMPOUND	Range in Exceedances	Frequency of Detection	MW1	MW2	MW3	MW3	Duplicate (MW2)
			3/10/2020	3/10/2020	3/10/2020	3/12/2020	3/10/2020
Sample Results in µg/L							
Chloroform	7.9	1	7.9	-	-	-	-
Ethylbenzene	18	1	18	-	-	-	-
Isopropylbenzene	9 - 9.6	2	-	9	-	-	9.6
o-Xylene	29	1	29	-	-	-	-
Toluene	22	1	22	-	-	-	-
Sample Results in µg/L							
Benz(a)anthracene	0.05 - 0.14	3	0.08	0.05	0.14	-	-
Benzo(b)fluoranthene	0.03 - 0.1	2	-	0.03	0.1	-	-
Benzo(k)fluoranthene	0.04 - 0.1	2	-	0.04	0.1	-	-
Bis(2-ethylhexyl)phthalate	7 - 100	3	100	7	-	-	13
Chrysene	0.04 - 0.13	3	0.13	0.04	0.13	-	-
Indeno(1,2,3-cd)pyrene	0.03 - 0.06	2	-	0.03	0.06	-	-
Sample Results in mg/L							
Aluminum	6.16 - 696	4	696	7.16	6.16	-	18.2
Arsenic	0.223	1	0.223	-	-	-	-
Barium	6.69	1	6.69	-	-	-	-
Beryllium	0.033	1	0.033	-	-	-	-
Cadmium	0.03	1	0.03	-	-	-	-
Chromium	0.079 - 3.31	2	3.31	-	-	-	0.079
Copper	2.74	1	2.74	-	-	-	-
Iron	10.7 - 1,470	4	1470	15.1	10.7	-	33
Lead	0.836	1	0.836	-	-	-	-
Magnesium	36.5 - 706	4	706	38.6	36.5	-	46.8
Manganese	2.75 - 45.2	4	45.2	2.75	2.95	-	3.24
Nickel	0.108 - 5.82	1	5.82	-	-	-	0.108
Silver	0.069	1	0.069	-	-	-	-
Sodium	88.5 - 123	4	104	113	88.5	-	123
Thallium	0.0083	1	0.0083	-	-	-	-
Sample Results in mg/L							
Iron (Dissolved)	0.39	1	-	0.39	-	0.94	-
Manganese (Dissolved)	1.11 - 2.71	4	1.11	2.53	2.71	2.53	2.51
Sodium (Dissolved)	58.4 - 120	4	58.4	113	86.6	92	120

Notes:

- - Not Analyzed

Bold/highlighted- Indicated exceedance of the NYSDEC Groundwater Standard

FIGURES

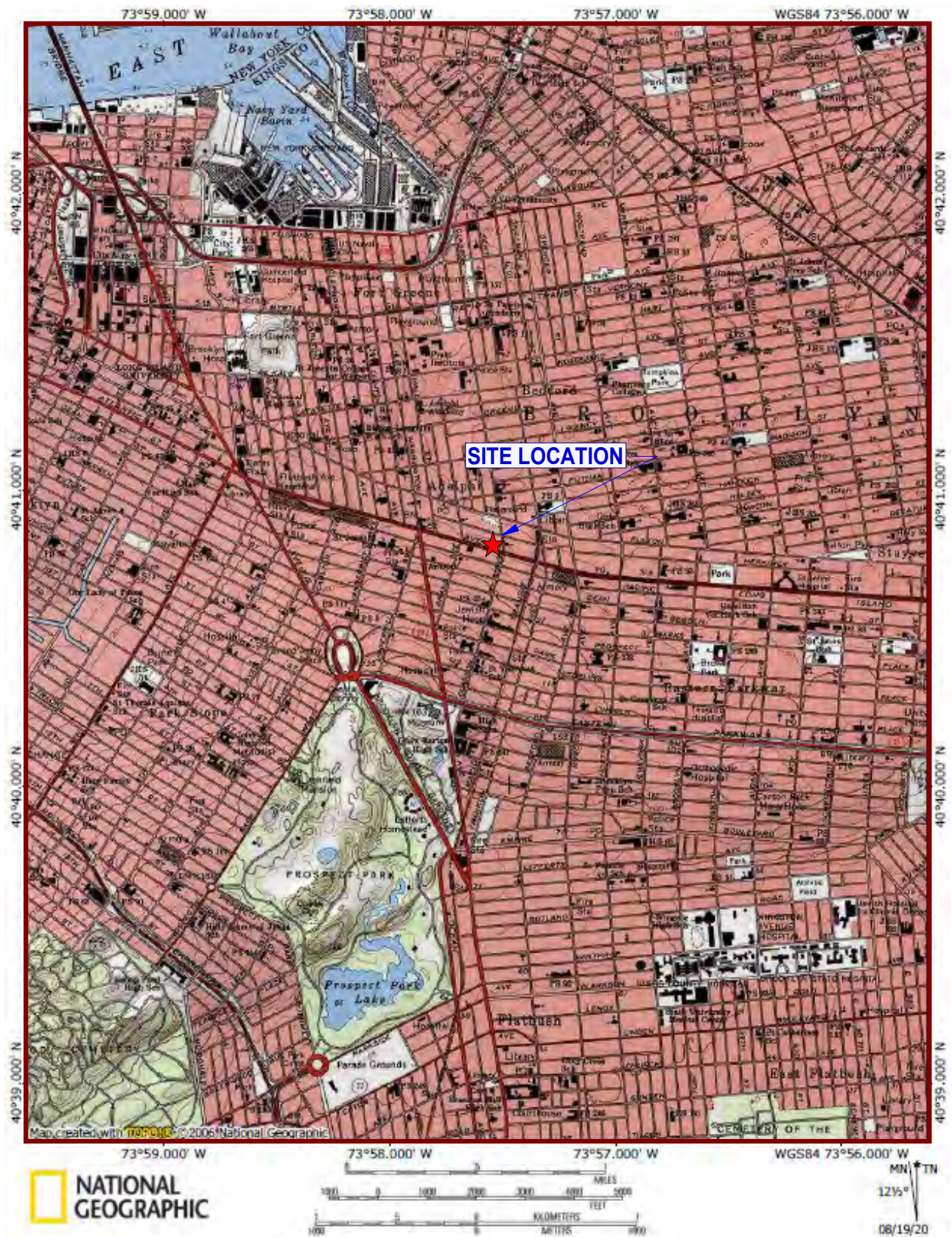
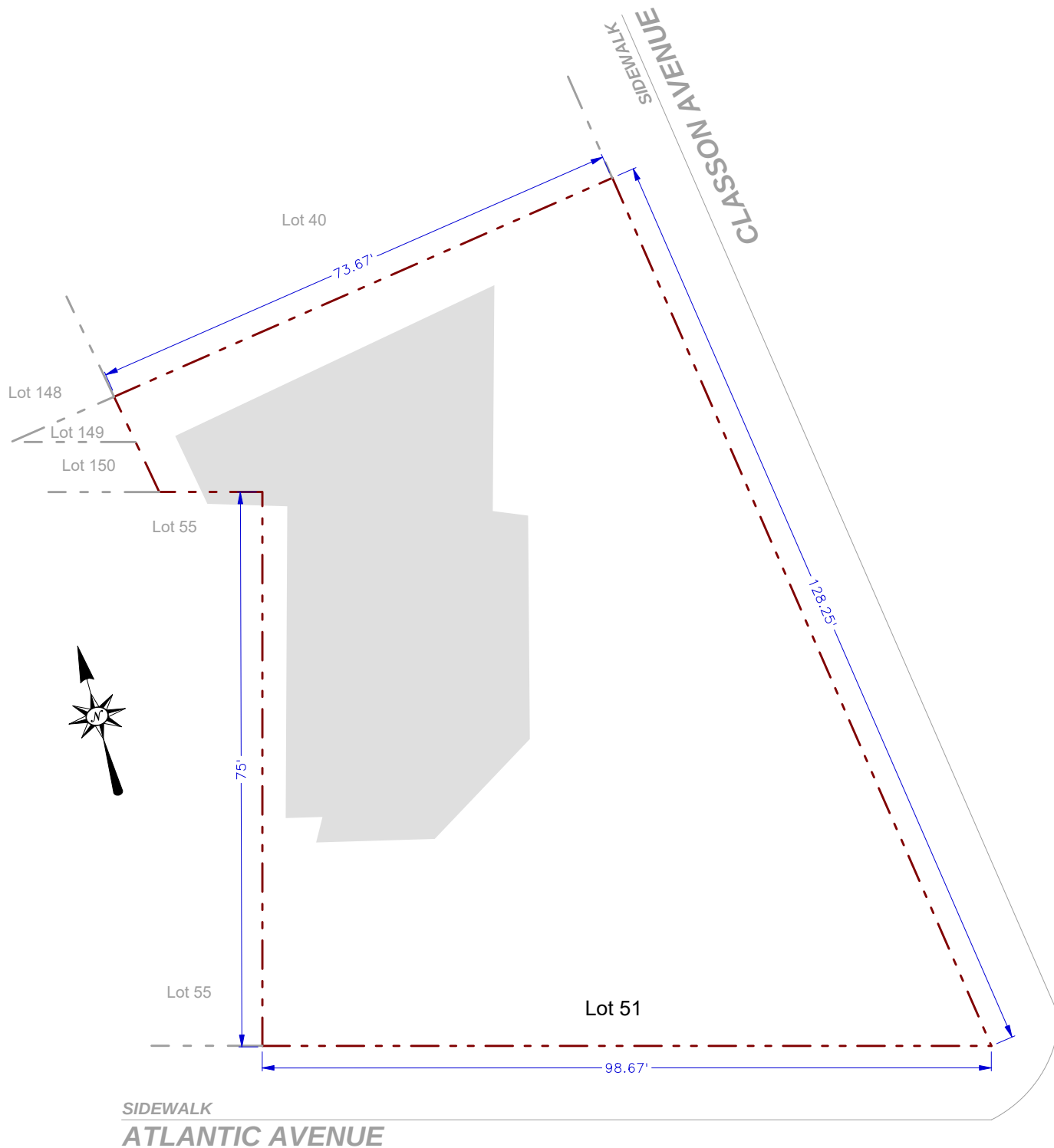


Figure No.
1

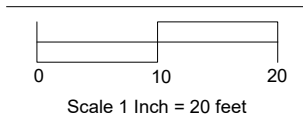
Site Name: **REDEVELOPMENT PROJECT**

Site Address: **1013-1015 ATLANTIC AVENUE, BROOKLYN, NY**

Drawing Title: **SITE LOCATION MAP**



SCALE:



KEY:

- Property Boundary
- Building Footprint

Figure No.
2

Site Name: **1015 ATLANTIC AVENUE**

Site Address: **1013-1015 ATLANTIC AVENUE, BROOKLYN, NY 11238**

Drawing Title: **SITE PLAN**

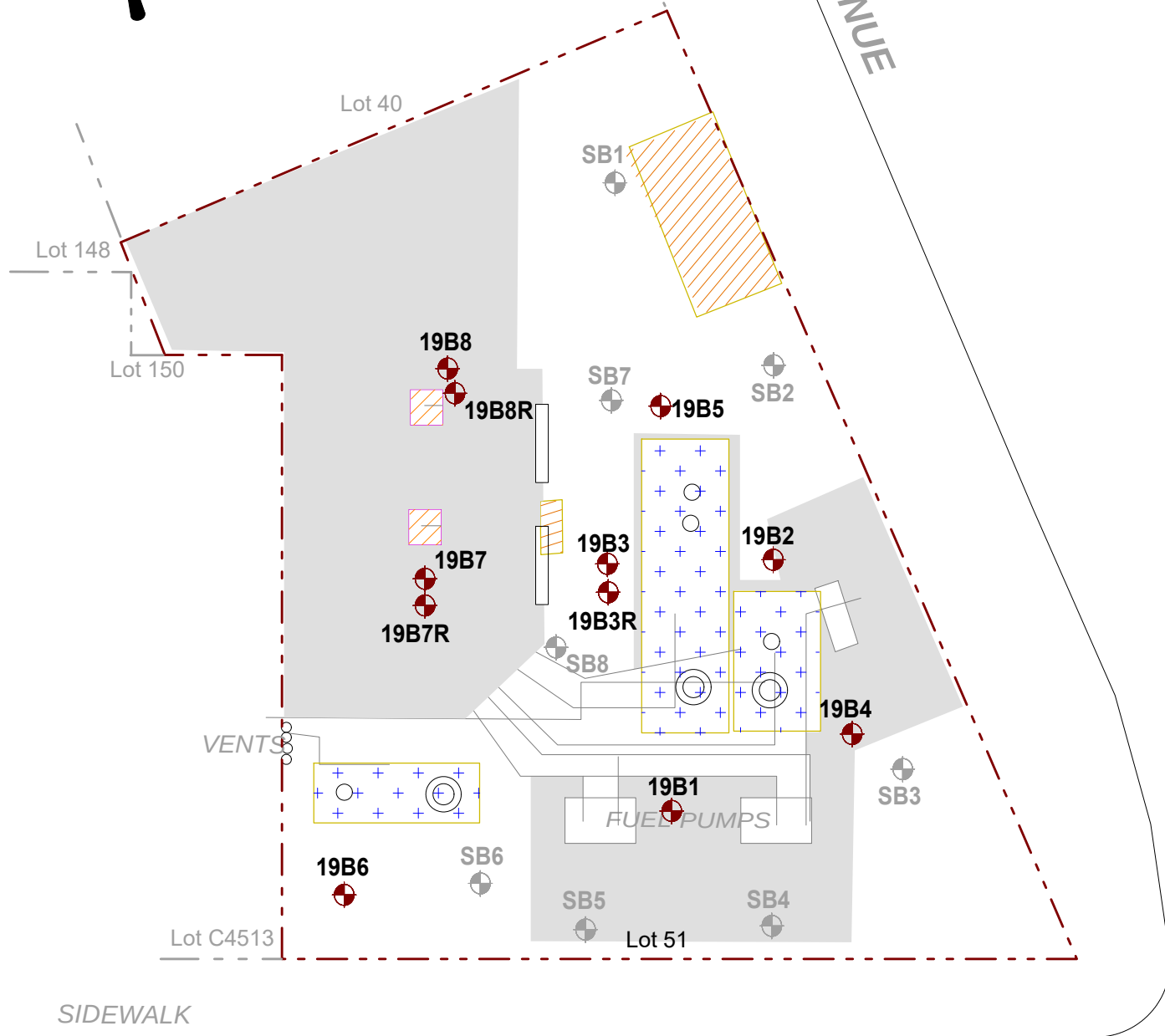


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Phone 631.504.6000
Fax 631.924.2870

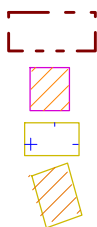


CLASSON AVENUE
SIDEWALK



ATLANTIC AVENUE

KEY:



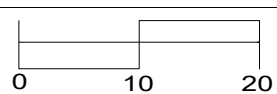
Property Boundary

Former Hydraulic Tank & Piston

Underground Fuel Tank

Unknown Anomaly

SCALE:



Scale: 1 inch = 20 feet



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Fax 631.924.2870

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Figure No.
3

Site Name: 1015 Atlantic

Site Address: 1015 Atlantic Avenue, Brooklyn, NY

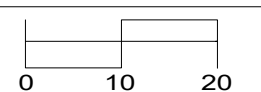
Drawing Title: Soil Boring Location Map

ATLANTIC AVENUE

KEY:

- Property Boundary
- Former Hydraulic Tank & Piston
- Underground Fuel Tank
- Unknown Anomaly

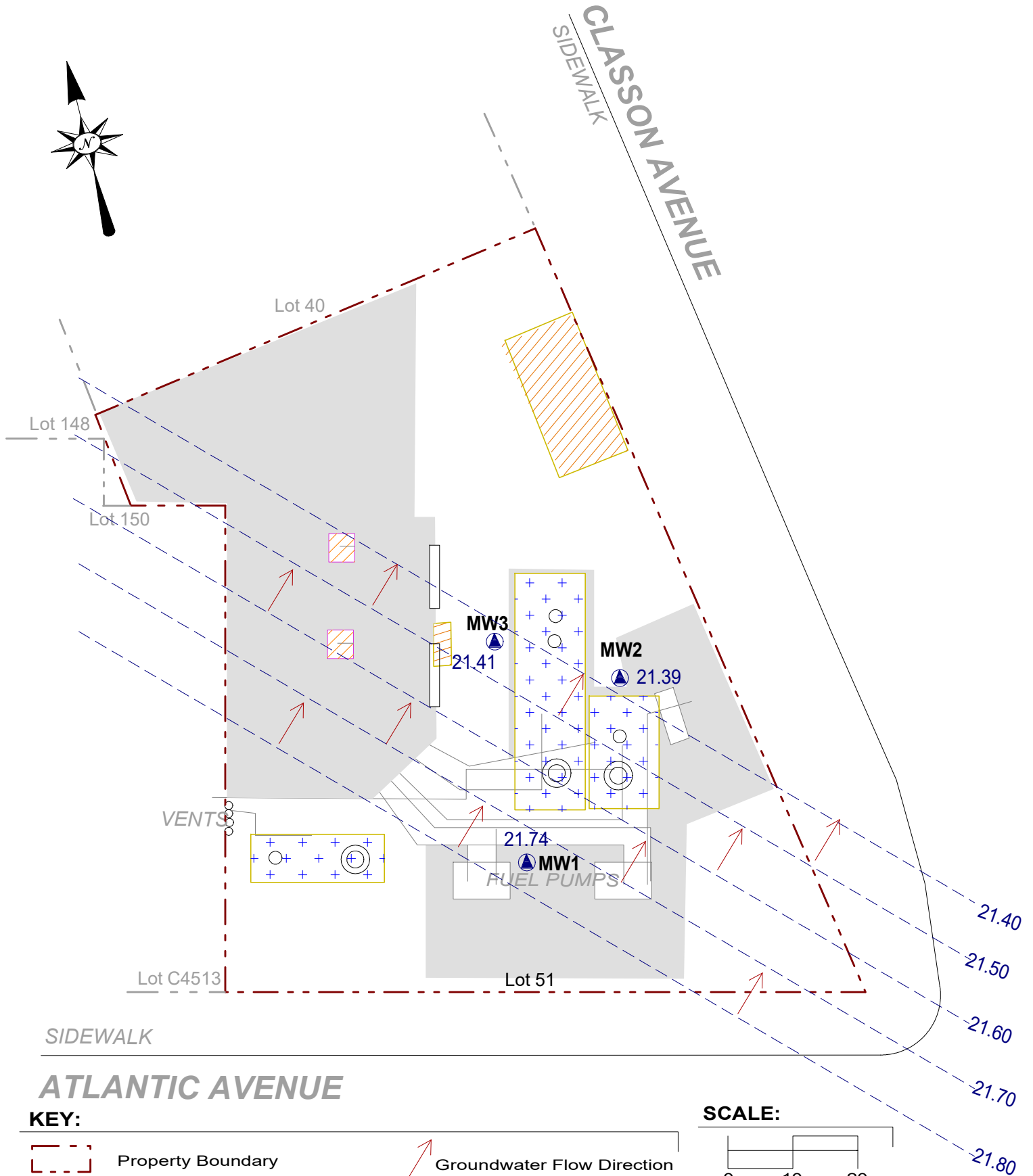
SCALE:



Scale: 1 inch = 20 feet



CLASSON AVENUE
SIDEWALK



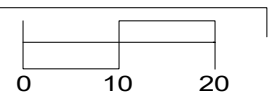
SIDEWALK

ATLANTIC AVENUE

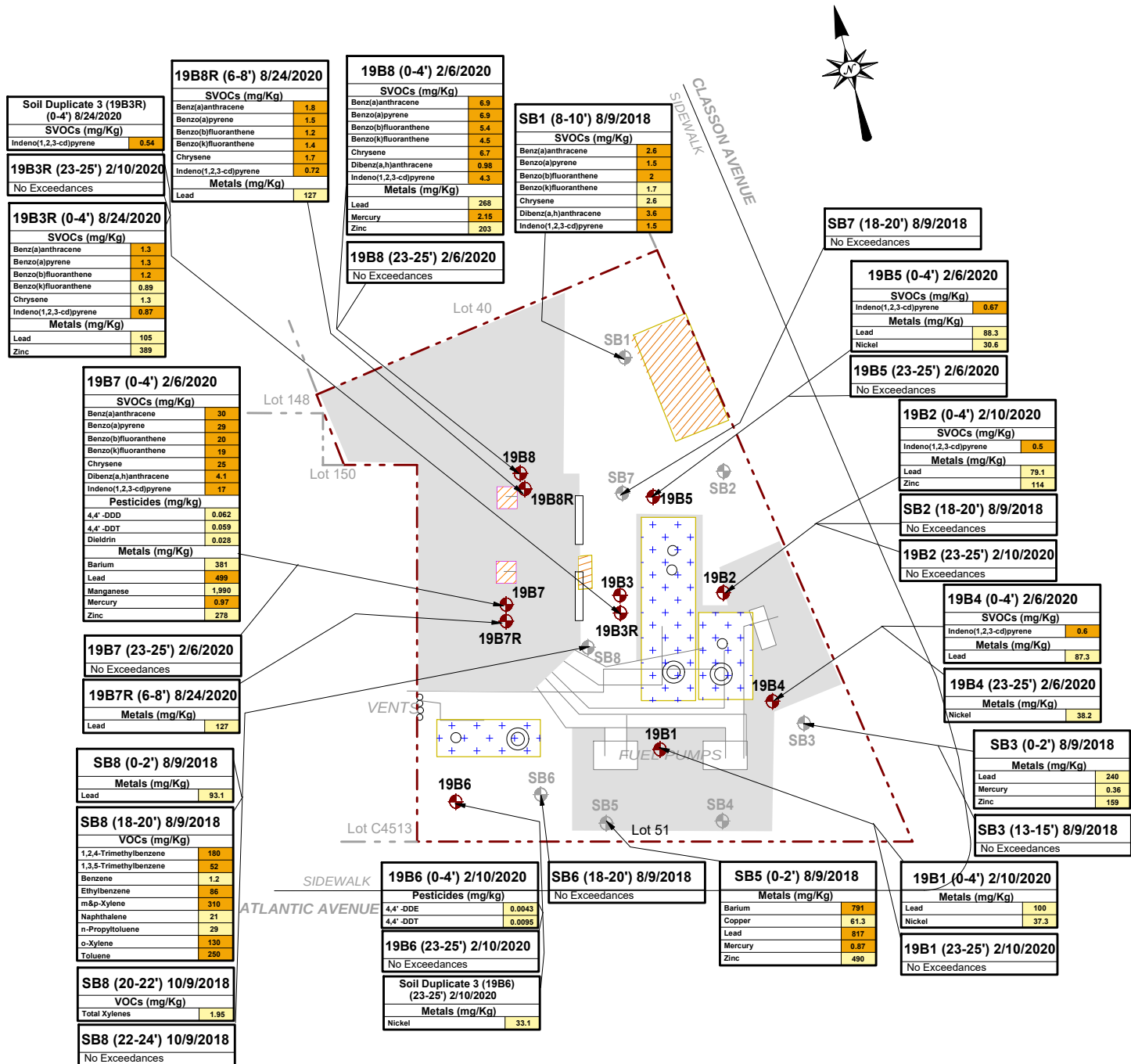
KEY:

- Property Boundary
- Former Hydraulic Tank & Piston
- Underground Fuel Tank
- Unknown Anomaly
- Groundwater Flow Direction
- Groundwater Countour Line

SCALE:



Scale: 1 inch = 20 feet



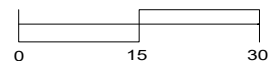
KEY:

- Property Boundary
- + Underground Fuel Tank
- Former Hydraulic Tank & Piston
- Soil Boring

- Unknown Anomaly

- NYSDEC Unrestricted Use Cleanup Objectives Exceedance and NYSDEC Groundwater Quality Standard
- NYSDEC Restricted Residential Cleanup Objectives Exceedance

SCALE:



Scale: 1 inch = 30 feet



CLASSON AVENUE
SIDEWALK

Lot 40

Lot 148

Lot 150

MW1 3/10/2020	
VOCs (µg/L)	
Chloroform	7.9
Ethylbenzene	18
o-Xylene	29
Toluene	22
SVOCs (µg/L)	
Benz(a)anthracene	0.08
Bis(2-ethylhexyl)phthalate	100
Chrysene	0.13
Total Metals (mg/L)	
Aluminum	696
Arsenic	0.223
Barium	6.69
Beryllium	0.033
Cadmium	0.03
Chromium	3.31
Copper	2.74
Iron	1,470
Lead	0.836
Magnesium	706
Manganese	45.2
Nickel	5.82
Silver	0.069
Sodium	104
Thallium	0.0083
Dissolved Metals (mg/L)	
Manganese	1.11
Sodium	58.4

MW3 3/10/2020	
SVOCs (µg/L)	
Benz(a)anthracene	0.14
Benzo(b)fluoranthene	0.1
Benzo(k)fluoranthene	0.1
Chrysene	0.13
Indeno(1,2,3-cd)pyrene	0.06
Total Metals (mg/L)	
Aluminum	6.16
Iron	10.7
Magnesium	36.5
Manganese	2.95
Sodium	88.5
Dissolved Metals (mg/L)	
Manganese	0.447
Sodium	199

MW2 3/10/2020	
VOCs (µg/L)	
Isopropylbenzene	9
SVOCs (µg/L)	
Benz(a)anthracene	0.05
Benzo(b)fluoranthene	0.03
Benzo(k)fluoranthene	0.04
Bis(2-ethylhexyl)phthalate	7
Chrysene	0.04
Indeno(1,2,3-cd)pyrene	0.03
Total Metals (mg/L)	
Aluminum	7.16
Iron	15.1
Magnesium	38.6
Manganese	2.75
Sodium	113
Dissolved Metals (mg/L)	
Iron	0.39
Manganese	2.53
Sodium	113

Duplicate (MW2) 3/10/2020	
VOCs (µg/L)	
Isopropylbenzene	9.6
SVOCs (µg/L)	
Bis(2-ethylhexyl)phthalate	13
Total Metals (mg/L)	
Aluminum	18.2
Chromium	0.079
Iron	33
Magnesium	46.8
Manganese	3.24
Nickel	0.108
Sodium	123
Dissolved Metals (mg/L)	
Manganese	2.51
Sodium	120

VENTS

PUMP PUMPS

Lot C4513

Lot 51

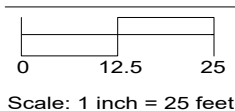
SIDEWALK

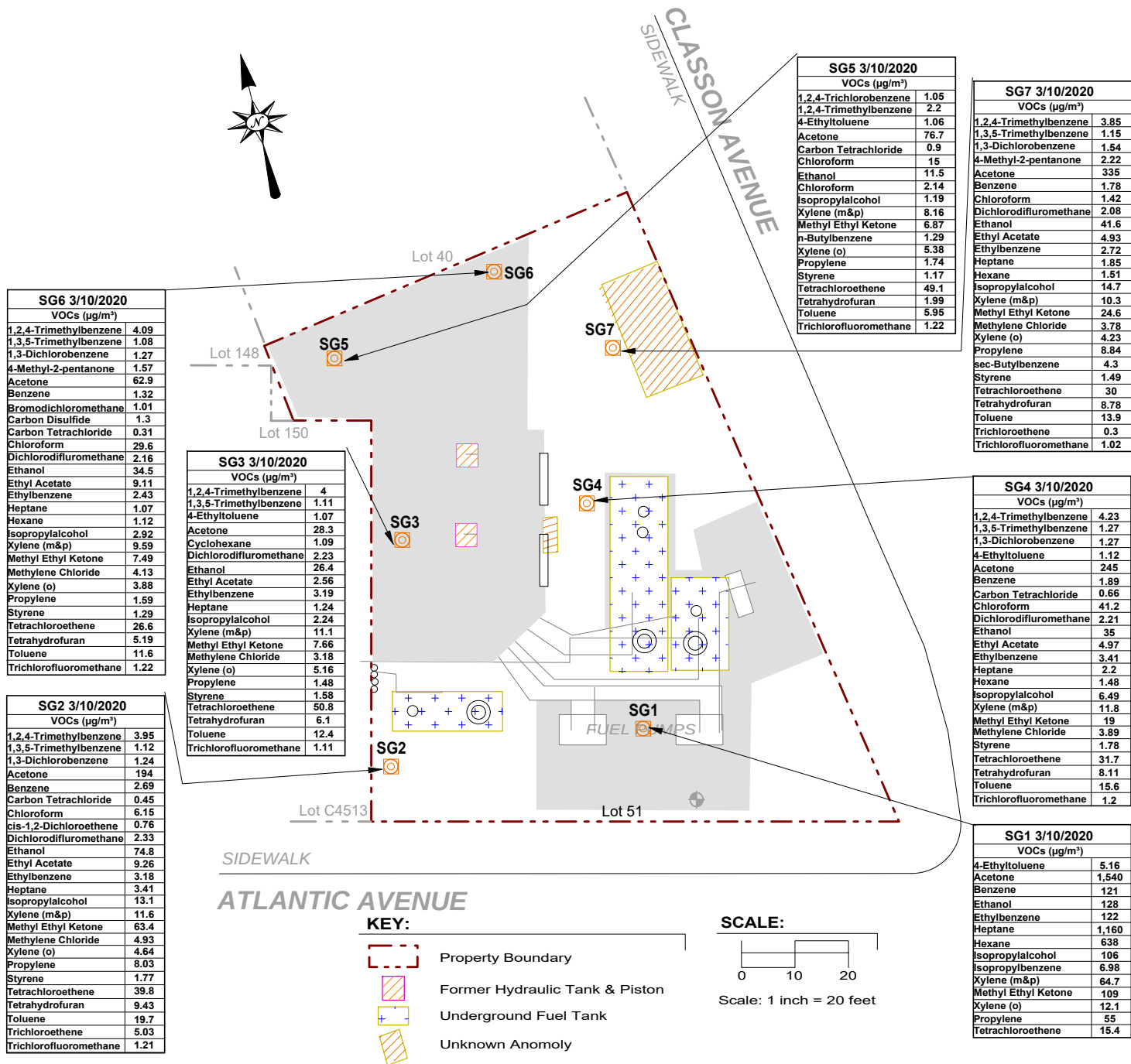
ATLANTIC AVENUE

KEY:

- Property Boundary
- Former Hydraulic Tank & Piston
- Underground Fuel Tank
- Unknown Anomaly
- Groundwater Sample Location
- Exceedance of GWQS
- Groundwater Flow Direction

SCALE:





APPENDIX – A
Soil Boring Logs

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB1 Boring Log

Location: 24' from Lot 40 and 7' from garage on site.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601		Address: 1013 Atlantic Avenue, Brooklyn NY, 11238		Date	DTW
Drilling Company:		Method:		Groundwater depth	
C2 Environmental		Geoprobe 6712DT		Well Specifications	
Date Started: 8/9/2018		Date Completed: 8/9/2018		None	
Completion Depth: 20 Feet		Geologist Tony Balado			

SB1 (NTS)	DEPTH (ft below cellar grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	30		10.0	30" - Dry asphalt, brown silt, and brick mix
	5				
	to	17		0.0 1.5 3	5" - Damp black stained silt with petrol odor. 5" - Damp brown silt. Petrol odor. 7" - Damp medium sand. No odor.
	10				*Retained soil sample SB1(8-10')
	to	34		1.5	34" - Damp red and brown silt and clay. No odor.
	15				
	to	37		0.0	37" - Damp red, brown, and gray silt and clay. No odor.
	20				

EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Location: 54' from Lot 40 and 27' from garage on site.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601	Address: 1013 Atlantic Avenue, Brooklyn NY, 11238	Date	DTW	Ground Elevation	
		Groundwater depth		Well Specifications	
Drilling Company:		Method:			
C2 Environmental		Geoprobe 6712DT			
Date Started: 8/9/2018		Date Completed: 8/9/2018			
Completion Depth: 20 Feet		Geologist Tony Balado			

[illegible]

ENVIRONMENTAL BUSINESS CONSULTANTS

Location: 12' From Classon Ave, and 24' from Atlantic Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601	Address: 1013 Atlantic Avenue, Brooklyn NY, 11238	Date	DTW	Ground Elevation	
		Groundwater depth		Well Specifications	
Drilling Company:		Method:			
C2 Environmental		Geoprobe 6712DT			
Date Started: 8/9/2018		Date Completed: 8/9/2018			
Completion Depth: 14 Feet		Geologist Tony Balado			

[illegible]

SB4 Boring Log

Location: 40' from corner of Classon Ave and Atlantic ave and 1' from Atlantic Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601		Address: 1013 Atlantic Avenue, Brooklyn NY, 11238		Date	DTW
				Groundwater depth	
Drilling Company:		Method:		Well Specifications	
C2 Environmental		Geoprobe 6712DT			
Date Started: 8/9/2018		Date Completed: 8/9/2018			
Completion Depth: 5 Feet		Geologist Tony Balado			

[illegible]

ENVIRONMENTAL BUSINESS CONSULTANTS

Location: 62' from corner of Classon Ave and Atlantic ave and 1' from Atlantic Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601		Address: 1013 Atlantic Avenue, Brooklyn NY, 11238		Date	DTW
				Groundwater depth	
Drilling Company:		Method:		None	
C2 Environmental		Geoprobe 6712DT			
Date Started: 8/9/2018		Date Completed: 8/9/2018			
Completion Depth: 5 Feet		Geologist Tony Balado			

[illegible]

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

SB6 Boring Log

Location: 62' from corner of Classon Ave and Atlantic ave and 9' from Atlantic Ave.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601		Address: 1013 Atlantic Avenue, Brooklyn NY, 11238		Date	DTW
Drilling Company:		Method:		Groundwater depth	
C2 Environmental		Geoprobe 6712DT		Well Specifications	
Date Started: 8/9/2018		Date Completed: 8/9/2018		None	
Completion Depth: 20 Feet		Geologist: Tony Balado			

SB6 (NTS)	DEPTH (ft below cellar grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				2" - Dry asphalt.
	to	30		0.0	2" - Dry brown silt.
	5				4" - Dry silt and light brown sand. No odor.
	to	16		0.0	8" - Dry brown and black silt with brick.
	10				8" - Concrete.
	to	22		0.0	22" - Damp brown silt. No odor.
	15				
	to	24		0.0	24 - Damp brown/red/yellow silt and clay.
	20				No odor.
					*Retained soil sample SB6(18-20')

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

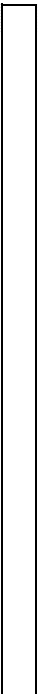
SB7 Boring Log

Location: 52' from northern property boundary and 1' from garage.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601		Address: 1013 Atlantic Avenue, Brooklyn NY, 11238		Date	DTW
Drilling Company:		Method:		Groundwater depth	
C2 Environmental		Geoprobe 6712DT		Well Specifications	
Date Started: 8/9/2018		Date Completed: 8/9/2018		None	
Completion Depth: 20 Feet		Geologist: Tony Balado			

SB7 (NTS)	DEPTH (ft below cellar grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	17		0.3	17" - Dry brown black silt with brick.
	5				
	to	11		0.0	11" - Damp brown silt with rock. No odor.
	10				
	to	20		0.0	20" - Dry brown, red, and gray silt and stone.
	15				
	to	22		0.0	22" - Damp brown, red, and gray silt. No Odor.
	20				*Retained soil sample SB7(18-20)

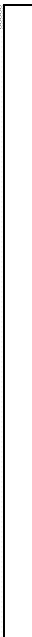
EBC
ENVIRONMENTAL BUSINESS CONSULTANTS

Location: 37' off southern property boundary and 55' from eastern property boundary.		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: STE1601	Address: 1013 Atlantic Avenue, Brooklyn NY, 11238	Date	DTW	Ground Elevation	
		Groundwater depth		Well Specifications	
Drilling Company:		Method:			
C2 Environmental		Geoprobe 6712DT			
Date Started: 8/9/2018		Date Completed: 8/9/2018 and 10/9/2018		None	
Completion Depth: 24 Feet		Geologist Tony Balado			

SB8 (NTS)	DEPTH (ft below cellar grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	42		3.5	4" - Concrete 1" - Asphalt 35" - Brown silt with brick. No odor.
	5				<i>*Retained soil sample SB8(0-2)</i>
	to	21		0.0	21" - Wet dark brown silt with brick. No odor.
	10				
	to	34		0.0	14" - Damp light brown silt and stone. 20" - Damp red and brown silt.
	15				
	to	38		2,000	5" - Gray possible ash. 33" - Gray stained silt, petrol. odor.
	20				<i>*Retained soil sample SB8(18-20)</i>
	to	24		86.7 1.2	12" - Moist brown silty sand, light petrol. odor 12" - Moist light brown sily sand, light petrol. odor
	24				<i>*Retained soil sample SB8(20-22)</i> <i>*Retained soil sample SB8(22-24)</i>
				</	

ENVIRONMENTAL BUSINESS CONSULTANTS

Location: Performed 48ft from West, 18ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
				Groundwater Depth	
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT			
Date Started: 2/10/2020		Date Completed: 2/10/2020		Well Specifications	
Completion Depth: 25 ft		Geologist: Thomas Gallo / Nicholas Byrnes			

19B1 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	18		0.1	18" - Brown silty sand with brick; PID 0.1
	5				<i>*Retained soil sample 19B1 (0-4')</i>
	to	18		5.7	18" - Tan-brown silty sand with brick; PID 5.7
	10				
	to	36		30.0	9" - Tan sandy clay; PID 4.5 12" - Fine-medium brown silty sand; PID 30 15" - Stained sandy silt petroleum odor; PID 24
	15				
	to	33		382.0	33" - Brown silty sand with rock;
	20				<i>*PID top half 68 and bottom half ranges from 168-382</i>
	to	25		168.0	6" - Stained sandy silt petroleum odor 19" - Med-coarse-gravelly sand no odor; PID 9.6
	25				<i>*Retained soil sample 19B1 (23-25')</i>

ENVIRONMENTAL BUSINESS CONSULTANTS

Location: Performed 16ft from East, 49ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
				Ground Elevation	
				Groundwater Depth	
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT			
Date Started: 2/10/2020		Date Completed: 2/10/2020		Well Specifications	
Completion Depth: 25 ft		Geologist: Thomas Gallo / Nicholas Byrnes			

19B2 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	14		0.0	10" - Fine brown silty sand with brick 4" - Fine brown silty sand
	5				<i>*Retained soil sample 19B2 (0-4')</i>
	to	10		0.0	10" - Fine-medium brown silty sand
	10				
	to	18		9.6	9" - Fine-medium silty sand with rock 9" - Stained sand silt with light petroleum odor; PID 9.6
	15				
	to	47		358.0	17" - Stained sand silt with petroleum odor; PID 12 27" - Brown sandy silt with petroleum odor; PID ranges from 184-358 3" - Fine-medium brown sand with rock; no odor
	20				
	to	12		0.6	6" - fine-course brown sand with gravel 6" - Medium-course brown sand with gravel
	25				<i>*Retained soil sample 19B2 (23-25')</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

19B3

Location: Performed 45ft from East, 50ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
Drilling Company: Big Apple		Method: Geoprobe 6712 DT		Groundwater Depth	
Date Started: 3/2/2020		Date Completed: 3/2/2020		Well Specifications	
Completion Depth: 25 ft		Geologist Nicholas Byrnes			

19B3 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to			0.0	12" - Brown sandy fill with brick 12" - Brown sandy fill with gravel
	4				<i>*Retained soil sample 19B3 (0-4')</i>
	to			0.0	4" - Dark brown sand with gravel 6" - Dark Brown sand with gravel 8" - Light brown silty sand; no rocks
	8				
	to			0.0	9" - Fine-medium silty sand with rock 9" - Stained sand silt with light petroleum odor 8" Brown sand with rocks 6" - Light brown sand with rocks
	12				
	to			0.0	6" - Stained sand silt with petroleum odor 12" - Brown sandy silt with petroleum odor
	16				
	to			0.0	24" - fine-course brown sand with gravel 24" - Medium-course brown sand with gravel
	20				
	to				12" - Mostly gravel with some brown sand 8" - Brown sand; no rocks <i>*Retained soil sample 19B3 (23-25')</i> 12" - Brown sand; no rocks
	24				
	to				
	26				

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

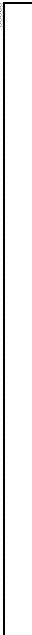
19B3R

Location: Performed adjacent to 19B3		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT		Groundwater Depth	
Date Started: 8/24/2020		Date Completed: 8/24/2020		Well Specifications	
Completion Depth: 25 ft		Geologist Thomas Gallo			

19B3R (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to				5" - black fill 15" - brown silt with brick
	5	20		0.0	
	to				*Retained soil sample 19B3R (0-4)
	10	10		0.0	10" - brown silty sand
	to				
	15	14		0.0	3" - brown silty sand 7" - fine-med brown sand 4" - brown silty sand
	to				
	20	3		0.0	3" - rock
	to				
	25	16		0.0	10" - coarse sand w/ gravel 6" - fine-med brown sand
					*Retained soil sample 19B3R (23-25)

ENVIRONMENTAL BUSINESS CONSULTANTS

Location: Performed 15ft from East, 28ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
				Ground Elevation	
				Groundwater Depth	
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT			
Date Started: 2/6/2020		Date Completed: 2/6/2020		Well Specifications	
Completion Depth: 25 ft		Geologist: Thomas Gallo / Nicholas Byrnes			

19B4 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	13		0.1	13" - medium brown silty sand
	5				<i>*Retained soil sample 19B4 (0-4')</i>
	to	16		0.0	11" - brown silty sand w/ brick 5" - medium brown sand
	10				
	to	41		0.0	7" - medium brown sand 8" - brown sandy silt 12" - brown silt 14" - brown sandy silt
	15				
	to	41		168.0	5" - brown sandy silt; PID 2.6 35" - stained sandy silt w/ petrol odor; PID 168 11" - stained silty sand, no odor; PID 5.3
	20				
	to	20		56.0	4" - stained silt w/ petrol odor; PID 56 6" - medium brown sand w/ rock; PID 4.0 10" - gravelly brown sand; PID 1.4
	25				<i>*Retained soil sample 19B4 (23-25')</i>

Location: Performed 19ft from East, 45ft from North property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
				Ground Elevation	
				Groundwater Depth	
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT			
Date Started: 2/6/2020		Date Completed: 2/6/2020		Well Specifications	
Completion Depth: 25 ft		Geologist Thomas Gallo / Nicholas Byrnes			

19B5 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	23		0.0	21" - brown sandy fill with brick 2" - asphalt
	5				<i>*Retained soil sample 19B5 (0-4')</i>
	to	27		0.0	6" - asphalt and brick 12" - brown clay 9" fine brown sand with gravel
	10				
	to	40		0.0	19" - medium brown sand 21" - brown sandy silt
	15				
	to	43		0.0	43" - fine brown silty sand
	20				
	to	43		0.0	12" - medium brown sand 31" - fine brown sand
	25				<i>*Retained soil sample 19B5 (23-25')</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

19B6

Location: Performed 8ft from west, 8ft from south property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT		Groundwater Depth	
Date Started: 2/10/2020		Date Completed: 2/10/2020		Well Specifications	
Completion Depth: 25 ft		Geologist: Thomas Gallo / Nicholas Byrnes			

19B6 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Recovery (in.)	Blow per 6 in.	PID (ppm)	
	0				14" - tan silty sand with asphalt and brick
	to	14		0.0	
	5				*Retained soil sample 19B6 (0-4')
	to	21		0.0	14" - black-tan silty sand with brick 7" - fine-medium brown silty sand
	10				51" - fine-medium brown silty sand with gravel
	to	51		0.0	
	15				33" - fine brown silty sand with rock
	to	33		0.0	
	20				5" - fine-medium brown silty sand with rock 31" Medium-coarse brown gravelly sand
	to	36		0.0	
	25				*Retained soil sample 19B6 (23-25')

ENVIRONMENTAL BUSINESS CONSULTANTS

19B7

Location: Performed 18ft from West, 47ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum
Site Name: C22429: 1015 Atlantic Site	Address: 1013-1015 Atlantic Avenue, Brooklyn NY	Date	DTW	Ground Elevation
		Groundwater Depth		
Drilling Company: C2 Environmental	Method: Geoprobe 6712 DT			
Date Started: 2/6/2020	Date Completed: 2/6/2020			
Completion Depth: 25 ft	Geologist Thomas Gallo / Nicholas Byrnes			

[illegible]

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

19B7R

Location: Performed adjacent to 19B7		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT		Groundwater Depth	
Date Started: 8/24/2020		Date Completed: 8/24/2020		Well Specifications	
Completion Depth: 15 ft		Geologist Thomas Gallo			

19B7R (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	22		0.0	12" - black fill w/ brick 10" - brown silt
	5				
	to	14		0.0	8" - brown silty clay 6" - fine brown silty sand
	10				*Retained soil sample 19B7R (6-8')
	to	15		0.0	15" - brown silty sand
	15				*Retained soil sample 19B7R (10-12') on hold

19B8

Location: Performed 21ft from West, 73ft from South property boundaries		Depth to Water (ft. from grade.)		Site Elevation Datum	
Site Name: C22429: 1015 Atlantic Site		Address: 1013-1015 Atlantic Avenue, Brooklyn NY		Date	DTW
				Groundwater Depth	
Drilling Company: C2 Environmental		Method: Geoprobe 6712 DT			
Date Started: 2/6/2020		Date Completed: 2/6/2020		Well Specifications	
Completion Depth: 25 ft		Geologist: Thomas Gallo / Nicholas Byrnes			

19B8 (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				
	to	9		0.0	9" - Brown sand silt
	5				<i>*Retained soil sample 19B8 (0-4')</i>
	to	32		0.0	24" - Brown silty clay 8" - Fine brown silty sand
	10				
	to	27		0.0	16" - medium brown sand with rock 11" - Fine brown silty sand with rock
	15				
	to	25		0.0	25" - All fine browm sandy silt
	20				
	to	27		0.0	2" - Fine brown sandy silt 25" - medium-fine brown sand
	25				<i>*Retained soil sample 19B8 (23-25')</i>

Geologic Boring Log Details



ENVIRONMENTAL BUSINESS CONSULTANTS

19B8R

Location: Performed adjacent to 19B8		Depth to Water (ft. from grade.)	Site Elevation Datum
Site Name: C22429: 1015 Atlantic Site	Address: 1013-1015 Atlantic Avenue, Brooklyn NY	Date	DTW
Drilling Company: C2 Environmental		Groundwater Depth	
Date Started: 8/24/2020		Well Specifications	
Completion Depth: 15 ft		Geologist Thomas Gallo	

19B8R (NTS)	DEPTH (ft below grade)	SAMPLES			SOIL DESCRIPTION
		Reco- very (in.)	Blow per 6 in.	PID (ppm)	
	0				10" - dark brown silty fill w/ brick
	to	10		0.0	
	5				2" - brown silty sand w/ brick 10" - fine-med brown sand
	to	12		0.0	
	10				*Retained soil sample 19B8R (6-8')
	to	40		0.0	16" - med-coarse brown sand 24" - fine brown silty sand
	15				*Retained soil sample 19B8R (10-12') on hold

APPENDIX – B
Monitoring Well Completion Reports

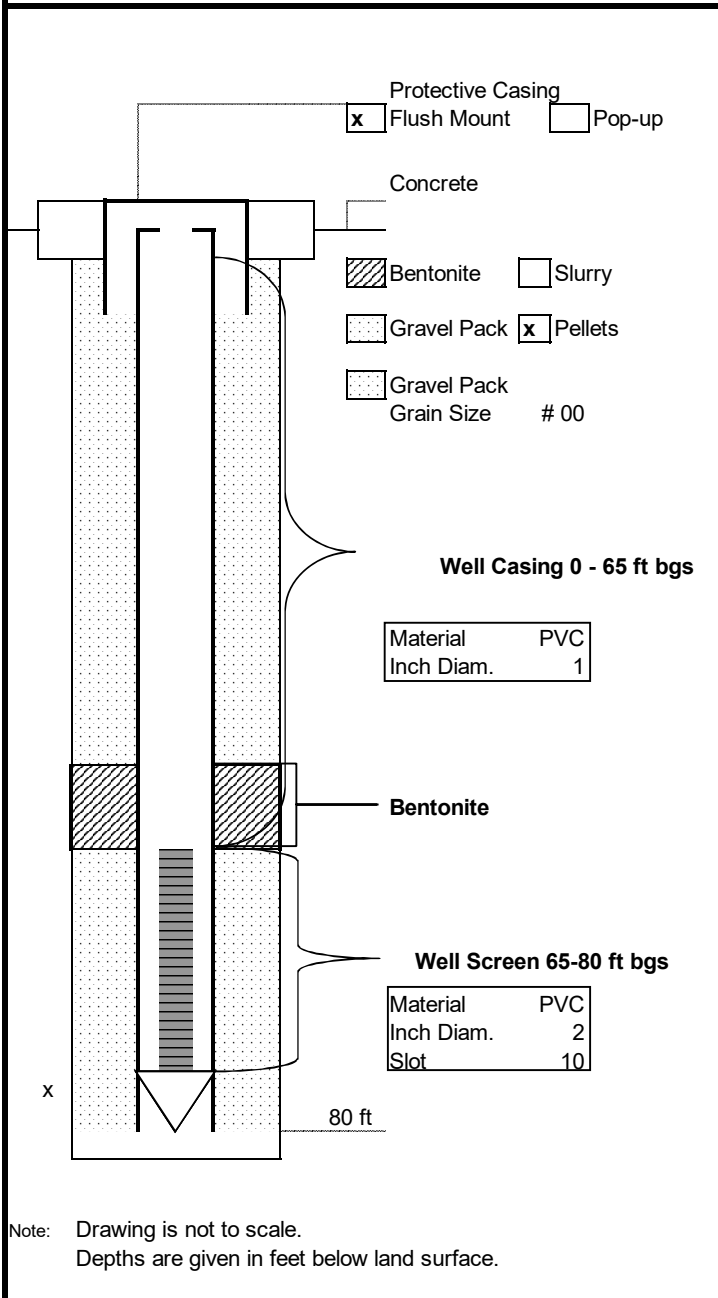


ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW1



Monitoring Well No.: MW1

Project: 1015 Atlantic
1015 Atlantic Avenue, Brooklyn, NY

Depth to Groundwater: 42.02 Date: 3/10/2020

Installation Depth: 80 ft bg

Survey Point Elevation:

Installation Date: 3/4/2020

Drilling Contractor: Big Apple Drillers

Installation Method: Truck Mounted Rotary Drill

Water Removed During Development:

Hydrogeologist: Nick Byrnes

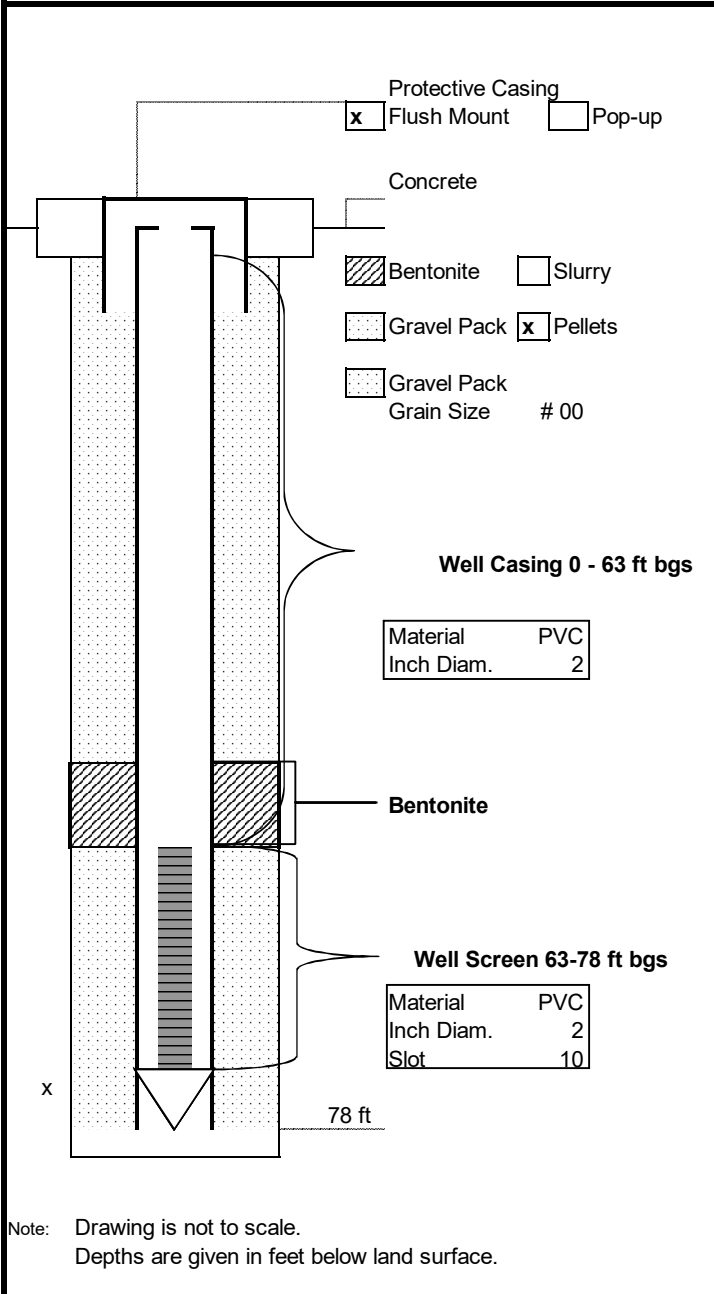
Company Name: EBC



GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW2



Monitoring Well No.: MW2

Project: 1015 Atlantic
1015 Atlantic Avenue, Brooklyn, NY

Depth to Groundwater: 71.67 Date: 3/10/2020

Installation Depth: 78 ft bg

Survey Point Elevation:

Installation Date: 2/28/2020

Drilling Contractor: Big Apple Drillers

Installation Method: Truck Mounted Rotary Drill

Water Removed During Development:

Hydrogeologist: Nick Byrnes

Company Name: EBC

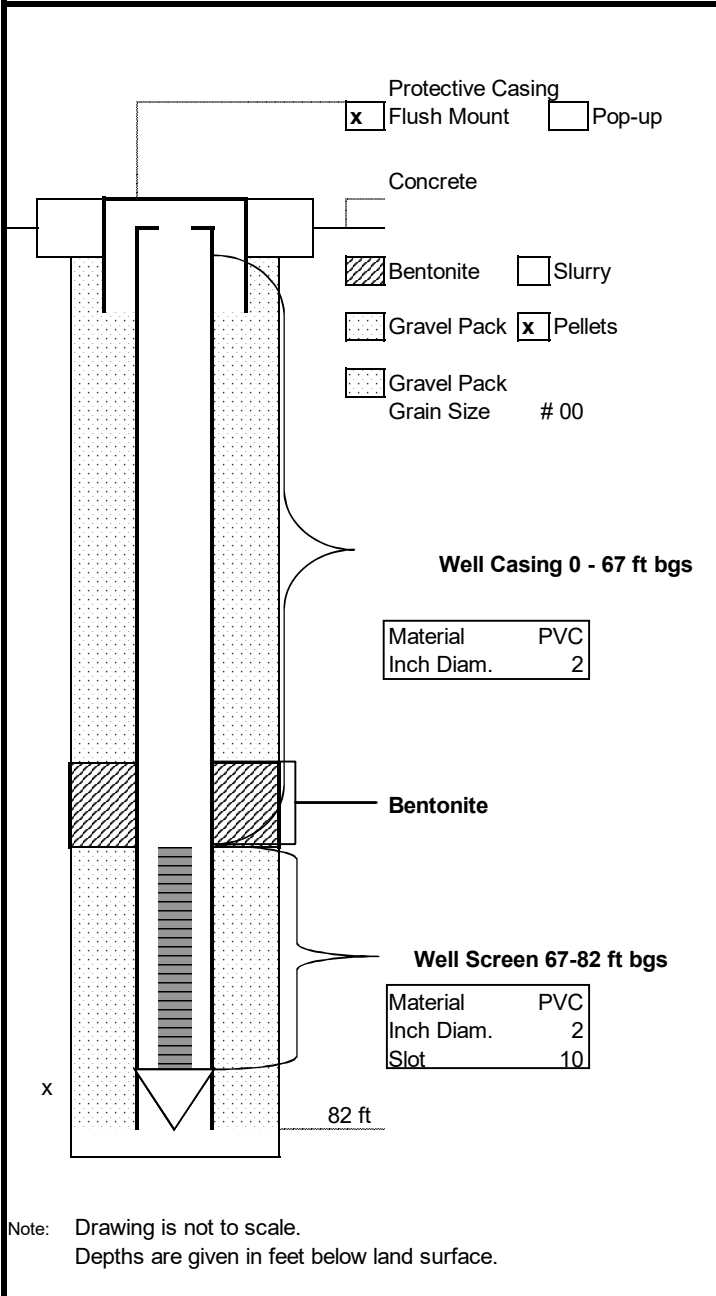


ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER MONITORING WELL

CONSTRUCTION LOG

MW3



Monitoring Well No.: MW3

Project: 1015 Atlantic
1015 Atlantic Avenue, Brooklyn, NY

Depth to Groundwater: 72.36 Date: 3/10/2020

Installation Depth: 82 ft bg

Survey Point Elevation:

Installation Date: 2/27/2020

Drilling Contractor: Big Apple Drillers

Installation Method: Truck Mounted Rotary Drill

Water Removed During Development:

Hydrogeologist: Nick Byrnes

Company Name: EBC

APPENDIX - C
Groundwater Sampling Logs



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

1015 Atlantic Avenue, Brooklyn, NY

Well I.D.: MW1

Date: 3/10/2020

Well Depth (from TOC): 79.4

Equipment: Bailers, pen meter

Static Water Level (from TOC): 42.02

Height of Water in Well: 37.38

Gallons of Water per Well Volume: 6.23

Flow Rate:

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
11:10		0	7.74		52.1					Turbid; brown
11:30		2	7.73		58.3					Turbid; brown
11:50		4	7.38		55.6					Turbid; brown
12:15		6	7.02		55.0					Turbid; brown
1:00		12	6.90		55.1					Light turbidity
1:45		18	6.80		55.2					Light turbidity

Note 400 ml = 0.11 gallons



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

1015 Atlantic Avenue, Brooklyn, NY

Well I.D.: MW2

Date: 3/10/2020

Well Depth (from TOC): 77.4

Equipment: Bailers, pen meter

Static Water Level (from TOC): 71.67

Height of Water in Well: 5.73

Gallons of Water per Well Volume: 0.96

Flow Rate:

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:46		0	7.31		52.1					Turbid; brown
9:54		0.5	7.22		55.4					Turbid; brown
10:02		1	6.99		55.6					Turbid; brown
10:10		1.5	6.78		55.0					Cloudy white/gray
10:18		2	6.78		55.5					Cloudy white/gray
10:25		2.5	6.77		55.5					Cloudy white/gray
10:33		3	6.77		55.4					Cloudy white/gray

Note 400 ml = 0.11 gallons



ENVIRONMENTAL BUSINESS CONSULTANTS

GROUNDWATER PURGE / SAMPLE LOGS

1015 Atlantic Avenue, Brooklyn, NY

Well I.D.: MW3

Date: 3/10/2020

Well Depth (from TOC): 81.6

Equipment: Bailers, pen meter

Static Water Level (from TOC): 72.36

Height of Water in Well: 9.24

Gallons of Water per Well Volume: 1.54

Flow Rate:

Time	Pump Rate	Gal. Removed	pH	Cond. (uS/cm)	Temp. (deg. F)	DO (mg/L)	ORP (mV)	Turbidity (NTU)	TDS	Comments
9:00		0	7.41		53.5					Turbid; brown
9:17		1	7.28		53.0					Turbid; brown
9:34		2	6.97		52.8					Turbid; brown
9:51		3	6.88		52.6					Turbid; brown
10:10		4	6.81		52.5					Cloudy white/gray
10:38		5	6.80		52.4					Cloudy white/gray
10:55		6	6.80		52.5					Cloudy white/gray

Note 400 ml = 0.11 gallons

APPENDIX - D
Soil Vapor Sampling Logs



587 East Middle Turnpike, P.O. Box 370, Westchester, CT 06090
Telephone 860.645.1102 • Fax 860.645.0823

CHAIN OF CUSTODY RECORD AIR ANALYSES

800-827-5426

email: greg@phoenixlabs.com

P.O. #

Page

of

Data Delivery:

☐ Fax #:

☒ Email: file

☐ Phone #:

Report to:	Tom Gallo	Project Name:	1015 ATLANTIC AVE BRACKEN	Data Format:	(Circle) Excel	Other:	
Customer:	EOC	Invoice to:		Requested Deliverable:	RCP	ASP CAT B	
Address:		Sampled by:	UB	Quote Number:			

Phoenix ID #	Client Sample ID	Canister ID #	Canister Size (L)	Outgoing Canister Pressure ("Hg)	Incoming Canister Pressure ("Hg)	Flow Regulator ID #	Flow Controller Setting (mL/min)	Sampling Start Time	Sampling End Time	Sample Start Date	Canister Pressure at Start ("Hg)	Canister Pressure at End ("Hg)	Matrix	Soil Gas	Ambient/Indoor Air	Grab (G) Composite (C)	TO-15	APH
THIS SECTION FOR LAB USE ONLY																		
48100	SG4	10844	60	-30	-7	4959	43	8:26	10:33	3/10	-28	-4	X				X	
48101	SG5	17165			-5	5393		8:45	10:41		-30	-4	X				X	
48102	SG7	13633			-5	7002		8:33	10:37		-24	-4	X				X	
48103	SG2	23341			-5	4962		8:17	10:18		-30	-2	X				X	
48104	SG1	13636			-5	2869		8:18	10:15		-29	-4	X				X	
48105	SG3	28552			-6	5616		8:50	10:46		-30	-5	X				X	
		21320				2166												
48106	SG6	23345			-4	6092		8:39	10:43		-29	-3	X				X	

Relinquished by:	Accepted by:	Date:	Time:
		3-11-20	10:40
State Where Samples Collected:	Requested Criteria:	Signature:	Date:
	CT: TAC I/C, TAC RES, SVVC I/C, SVVC RES, GWV I/C, GWV CES		

Turnaround Time:	Requested Criteria:	MA:	NI:	NY:	PA:	VT:
☐ 1 Day ☐ 2 Day ☐ 3 Day ☐ 4 Day ☒ 5 Day	Indoor Air: Residential, Ind/Commercial, Soil Gas: Residential, Ind/Commercial	Indoor Air: Residential, Ind/Commercial, Soil Gas: Residential, Ind/Commercial	Indoor Air: Residential, Ind/Commercial, Soil Gas: Residential, Ind/Commercial	Vapor Intrusion	Indoor Air: Residential, Non-residential	Indoor Air: Residential, Industrial, Sub-slab, Industrial

SPECIAL INSTRUCTIONS, QC REQUIREMENTS, REGULATORY INFORMATION:
(8)600 (200)

APPENDIX - E
Laboratory Reports



Friday, August 17, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Sample ID#s: CB09334 - CB09342

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants

Project: 1013 ATLANTIC AVE., BROOKLYN

Laboratory Project: GCB09334



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

August 17, 2018

SDG I.D.: GCB09334

Environmental Business Consultants 1013 ATLANTIC AVE., BROOKLYN

Methodology Summary

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010C.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

August 17, 2018

SDG I.D.: GCB09334

Environmental Business Consultants 1013 ATLANTIC AVE., BROOKLYN

Sample Id Cross Reference

Client Id	Lab Id	Matrix
SB1 (8-10)	CB09334	SOIL
SB2 (18-20)	CB09335	SOIL
SB3 (13-15)	CB09336	SOIL
SB6 (18-20)	CB09337	SOIL
SB7 (18-20)	CB09338	SOIL
SB8 (18-20)	CB09339	SOIL
SB3 (0-2)	CB09340	SOIL
SB5 (0-2)	CB09341	SOIL
SB8 (0-2)	CB09342	SOIL



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

August 17, 2018

SDG I.D.: GCB09334

Environmental Business Consultants 1013 ATLANTIC AVE., BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 4.6°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CB09334	1,4-dioxane	08/09/18	08/11/18	08/11/18	JLI	Y
CB09334	Field Extraction	08/09/18	08/09/18	08/09/18		Y
CB09334	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09334	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09334	Volatiles	08/09/18	08/11/18	08/11/18	JLI	Y
CB09334	Volatiles	08/09/18	08/11/18	08/11/18	JLI	Y
CB09335	1,4-dioxane	08/09/18				Y
CB09335	Field Extraction	08/09/18	08/09/18	08/09/18		Y
CB09335	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09335	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09335	Volatiles	08/09/18				Y
CB09335	Volatiles	08/09/18				Y
CB09336	1,4-dioxane	08/09/18				Y
CB09336	Field Extraction	08/09/18	08/09/18	08/09/18		Y
CB09336	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09336	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09336	Volatiles	08/09/18				Y
CB09336	Volatiles	08/09/18				Y
CB09337	1,4-dioxane	08/09/18				Y
CB09337	Field Extraction	08/09/18	08/09/18	08/09/18		Y
CB09337	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09337	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09337	Volatiles	08/09/18				Y
CB09337	Volatiles	08/09/18				Y
CB09338	1,4-dioxane	08/09/18				Y
CB09338	Field Extraction	08/09/18	08/09/18	08/09/18		Y
CB09338	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09338	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09338	Volatiles	08/09/18				Y
CB09338	Volatiles	08/09/18				Y
CB09339	1,4-dioxane	08/09/18				Y
CB09339	Field Extraction	08/09/18	08/09/18	08/09/18		Y



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CB09339	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09339	Semivolatiles	08/09/18	08/10/18	08/11/18	KCA	Y
CB09339	Volatiles	08/09/18				Y
CB09339	Volatiles	08/09/18				Y
CB09340	Aluminum	08/09/18	08/10/18			Y
CB09340	Antimony	08/09/18	08/10/18			Y
CB09340	Arsenic	08/09/18	08/10/18			Y
CB09340	Barium	08/09/18	08/10/18			Y
CB09340	Beryllium	08/09/18	08/10/18			Y
CB09340	Cadmium	08/09/18	08/10/18			Y
CB09340	Calcium	08/09/18	08/10/18			Y
CB09340	Chromium	08/09/18	08/10/18			Y
CB09340	Cobalt	08/09/18	08/10/18			Y
CB09340	Copper	08/09/18	08/10/18			Y
CB09340	Iron	08/09/18	08/10/18			Y
CB09340	Lead	08/09/18	08/10/18			Y
CB09340	Magnesium	08/09/18	08/10/18			Y
CB09340	Manganese	08/09/18	08/10/18			Y
CB09340	Mercury	08/09/18	08/13/18			Y
CB09340	Nickel	08/09/18	08/10/18			Y
CB09340	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09340	Potassium	08/09/18	08/10/18			Y
CB09340	Selenium	08/09/18	08/10/18			Y
CB09340	Silver	08/09/18	08/10/18			Y
CB09340	Sodium	08/09/18	08/10/18			Y
CB09340	Thallium	08/09/18	08/10/18			Y
CB09340	Vanadium	08/09/18	08/10/18			Y
CB09340	Zinc	08/09/18	08/10/18			Y
CB09341	Aluminum	08/09/18	08/10/18			Y
CB09341	Antimony	08/09/18	08/10/18			Y
CB09341	Arsenic	08/09/18	08/10/18			Y
CB09341	Barium	08/09/18	08/10/18			Y
CB09341	Beryllium	08/09/18	08/10/18			Y
CB09341	Cadmium	08/09/18	08/10/18			Y
CB09341	Calcium	08/09/18	08/10/18			Y
CB09341	Chromium	08/09/18	08/10/18			Y
CB09341	Cobalt	08/09/18	08/10/18			Y



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CB09341	Copper	08/09/18	08/10/18			Y
CB09341	Iron	08/09/18	08/10/18			Y
CB09341	Lead	08/09/18	08/10/18			Y
CB09341	Magnesium	08/09/18	08/10/18			Y
CB09341	Manganese	08/09/18	08/10/18			Y
CB09341	Mercury	08/09/18	08/13/18			Y
CB09341	Nickel	08/09/18	08/10/18			Y
CB09341	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09341	Potassium	08/09/18	08/10/18			Y
CB09341	Selenium	08/09/18	08/10/18			Y
CB09341	Silver	08/09/18	08/10/18			Y
CB09341	Sodium	08/09/18	08/10/18			Y
CB09341	Thallium	08/09/18	08/10/18			Y
CB09341	Vanadium	08/09/18	08/10/18			Y
CB09341	Zinc	08/09/18	08/10/18			Y
CB09342	Aluminum	08/09/18	08/10/18			Y
CB09342	Antimony	08/09/18	08/10/18			Y
CB09342	Arsenic	08/09/18	08/10/18			Y
CB09342	Barium	08/09/18	08/10/18			Y
CB09342	Beryllium	08/09/18	08/10/18			Y
CB09342	Cadmium	08/09/18	08/10/18			Y
CB09342	Calcium	08/09/18	08/10/18			Y
CB09342	Chromium	08/09/18	08/10/18			Y
CB09342	Cobalt	08/09/18	08/10/18			Y
CB09342	Copper	08/09/18	08/10/18			Y
CB09342	Iron	08/09/18	08/10/18			Y
CB09342	Lead	08/09/18	08/10/18			Y
CB09342	Magnesium	08/09/18	08/10/18			Y
CB09342	Manganese	08/09/18	08/10/18			Y
CB09342	Mercury	08/09/18	08/13/18			Y
CB09342	Nickel	08/09/18	08/10/18			Y
CB09342	Percent Solid	08/09/18	08/10/18	08/10/18	Q	Y
CB09342	Potassium	08/09/18	08/10/18			Y
CB09342	Selenium	08/09/18	08/10/18			Y
CB09342	Silver	08/09/18	08/10/18			Y
CB09342	Sodium	08/09/18	08/10/18			Y
CB09342	Thallium	08/09/18	08/10/18			Y



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CB09342	Vanadium	08/09/18	08/10/18			Y
CB09342	Zinc	08/09/18	08/10/18			Y



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SDG Comments

August 17, 2018

SDG I.D.: GCB09334

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

11:15
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09334

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB1 (8-10)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	87			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,1,1-Trichloroethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,1,2-Trichloroethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloroethane	ND	270	56	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloroethene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloropropene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,2,3-Trichloropropane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,2,4-Trimethylbenzene	170	J 280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dibromoethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichlorobenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichloroethane	ND	20	20	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichloropropane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,3,5-Trimethylbenzene	46	J 280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,3-Dichlorobenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
1,3-Dichloropropane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
1,4-Dichlorobenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
2,2-Dichloropropane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
2-Chlorotoluene	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
2-Hexanone	ND	1400	280	ug/Kg	50	08/11/18	PS	SW8260C
2-Isopropyltoluene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
4-Methyl-2-pentanone	ND	1400	280	ug/Kg	50	08/11/18	PS	SW8260C
Acetone	ND	50	50	ug/Kg	50	08/11/18	PS	SW8260C
Acrylonitrile	ND	560	56	ug/Kg	50	08/11/18	PS	SW8260C
Benzene	ND	60	28	ug/Kg	50	08/11/18	PS	SW8260C
Bromobenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Bromochloromethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Bromodichloromethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Bromoform	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Bromomethane	ND	280	110	ug/Kg	50	08/11/18	PS	SW8260C
Carbon Disulfide	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Carbon tetrachloride	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Chlorobenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Chloroethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Chloroform	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Chloromethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
cis-1,2-Dichloroethene	ND	250	28	ug/Kg	50	08/11/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Dibromochloromethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Dibromomethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Dichlorodifluoromethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Ethylbenzene	52	J 280	28	ug/Kg	50	08/11/18	PS	SW8260C
Hexachlorobutadiene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Isopropylbenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
m&p-Xylene	210	J 280	56	ug/Kg	50	08/11/18	PS	SW8260C
Methyl Ethyl Ketone	ND	120	280	ug/Kg	50	08/11/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	560	56	ug/Kg	50	08/11/18	PS	SW8260C
Methylene chloride	ND	50	50	ug/Kg	50	08/11/18	PS	SW8260C
Naphthalene	2900	280	56	ug/Kg	50	08/11/18	PS	SW8260C
n-Butylbenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
n-Propylbenzene	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
o-Xylene	110	J 280	56	ug/Kg	50	08/11/18	PS	SW8260C
p-Isopropyltoluene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
sec-Butylbenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Styrene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
tert-Butylbenzene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Tetrachloroethene	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	560	140	ug/Kg	50	08/11/18	PS	SW8260C
Toluene	95	J 280	28	ug/Kg	50	08/11/18	PS	SW8260C
trans-1,2-Dichloroethene	ND	190	28	ug/Kg	50	08/11/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	560	140	ug/Kg	50	08/11/18	PS	SW8260C
Trichloroethene	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Trichlorofluoromethane	ND	280	56	ug/Kg	50	08/11/18	PS	SW8260C
Trichlorotrifluoroethane	ND	280	28	ug/Kg	50	08/11/18	PS	SW8260C
Vinyl chloride	ND	20	20	ug/Kg	50	08/11/18	PS	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	50	08/11/18	PS	70 - 130 %
% Bromofluorobenzene	99			%	50	08/11/18	PS	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	94			%	50	08/11/18	PS	70 - 130 %
% Toluene-d8	99			%	50	08/11/18	PS	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	2200	2200	ug/kg	50	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	50	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	99			%	50	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	50	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1100	56	ug/Kg	50	08/11/18	JLI	SW8260C
Acrolein	ND	280	56	ug/Kg	50	08/11/18	JLI	SW8260C
Acrylonitrile	ND	1100	28	ug/Kg	50	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	5600	1100	ug/Kg	50	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	270	210	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	190	120	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	190	130	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	270	94	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	270	270	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	190	150	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	190	120	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	330	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	270	180	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	270	270	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	270	240	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	270	150	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	190	180	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	380	760	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	230	76	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	300	180	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	380	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	380	170	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	840	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	150	J 270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	300	300	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	1700	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	2600	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	380	220	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	1500	190	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	2000	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	1300	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	1700	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1900	760	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	270	98	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	270	100	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	190	100	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	700	190	150	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	2600	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	360	190	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	730	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	270	100	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	270	98	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	4500	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	950	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	190	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	270	140	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	190	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	1500	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	190	110	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	760	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	190	130	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	190	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	270	150	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	270	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	230	140	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	5000	270	110	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	270	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	4400	270	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	270	94	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/OC Surrogates</u>								
% 2,4,6-Tribromophenol	81			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	66			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	57			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	64			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	63			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	65			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:

Elevated reporting limits for volatiles due to the presence of target and/or non-target compounds.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

11:45
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09335

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB2 (18-20)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloropropene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trimethylbenzene	5.7	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromoethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloroethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloropropane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,3,5-Trimethylbenzene	1.3	J 4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichloropropane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
2,2-Dichloropropane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
2-Chlorotoluene	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
2-Hexanone	ND	20	4.0	ug/Kg	1	08/11/18	JLI	SW8260C
2-Isopropyltoluene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
4-Methyl-2-pentanone	ND	20	4.0	ug/Kg	1	08/11/18	JLI	SW8260C
Acetone	7.8	JS 20	4.0	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	7.9	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Benzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Bromobenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Bromochloromethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Bromodichloromethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Bromoform	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Bromomethane	ND	4.0	1.6	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon Disulfide	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon tetrachloride	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Chlorobenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroform	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Chloromethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromochloromethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromomethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Dichlorodifluoromethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Ethylbenzene	1.9	J 4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Hexachlorobutadiene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Isopropylbenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
m&p-Xylene	7.8	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl Ethyl Ketone	ND	24	4.0	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.9	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Methylene chloride	4.7	S 4.0	4.0	ug/Kg	1	08/11/18	JLI	SW8260C
Naphthalene	6.8	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
n-Butylbenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
n-Propylbenzene	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
o-Xylene	4.5	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
p-Isopropyltoluene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
sec-Butylbenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Styrene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
tert-Butylbenzene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrachloroethene	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.9	2.0	ug/Kg	1	08/11/18	JLI	SW8260C
Toluene	5.1	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.9	2.0	ug/Kg	1	08/11/18	JLI	SW8260C
Trichloroethene	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorofluoromethane	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Vinyl chloride	ND	4.0	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	94			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	98			%	1	08/11/18	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	59	32	ug/kg	1	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	98			%	1	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	16	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Acrolein	ND	4.0	0.79	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	16	0.40	ug/Kg	1	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	79	16	ug/Kg	1	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	290	290	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	360	210	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	250	88	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/OC Surrogates</u>								
% 2,4,6-Tribromophenol	64			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	65			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	55			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	57			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	53			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	63			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

12:15
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09336

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB3 (13-15)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	92			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloropropene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichloropropane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trimethylbenzene	1.4	J 3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromoethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloroethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloropropane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichloropropane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
1,4-Dichlorobenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
2,2-Dichloropropane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
2-Chlorotoluene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
2-Hexanone	ND	19	3.8	ug/Kg	1	08/11/18	JLI	SW8260C
2-Isopropyltoluene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
4-Methyl-2-pentanone	ND	19	3.8	ug/Kg	1	08/11/18	JLI	SW8260C
Acetone	12	JS 19	3.8	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	7.5	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Benzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Bromobenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Bromochloromethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Bromodichloromethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Bromoform	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Bromomethane	ND	3.8	1.5	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon Disulfide	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon tetrachloride	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Chlorobenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroform	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Chloromethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,2-Dichloroethene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,3-Dichloropropene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromochloromethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromomethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Dichlorodifluoromethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Ethylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Hexachlorobutadiene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Isopropylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
m&p-Xylene	1.4	J 3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl Ethyl Ketone	ND	23	3.8	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	7.5	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Methylene chloride	ND	3.8	3.8	ug/Kg	1	08/11/18	JLI	SW8260C
Naphthalene	1.7	J 3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
n-Butylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
n-Propylbenzene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
o-Xylene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
p-Isopropyltoluene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
sec-Butylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Styrene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
tert-Butylbenzene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrachloroethene	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrahydrofuran (THF)	ND	7.5	1.9	ug/Kg	1	08/11/18	JLI	SW8260C
Toluene	1.1	J 3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,2-Dichloroethene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,3-Dichloropropene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	7.5	1.9	ug/Kg	1	08/11/18	JLI	SW8260C
Trichloroethene	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorofluoromethane	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorotrifluoroethane	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Vinyl chloride	ND	3.8	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %

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Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	95			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	56	30	ug/kg	1	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	15	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Acrolein	ND	3.8	0.75	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	15	0.38	ug/Kg	1	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	75	15	ug/Kg	1	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	350	710	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	280	160	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	350	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	350	160	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	ND	250	99	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	280	280	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	350	210	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	180	95	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	180	99	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	250	87	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/OC Surrogates</u>								
% 2,4,6-Tribromophenol	75			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	64			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	57			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	63			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	61			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	60			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

13:15
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09337

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB6 (18-20)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloropropene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromoethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloroethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloropropane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichloropropane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
2,2-Dichloropropane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
2-Chlorotoluene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
2-Hexanone	ND	22	4.3	ug/Kg	1	08/11/18	JLI	SW8260C
2-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
4-Methyl-2-pentanone	ND	22	4.3	ug/Kg	1	08/11/18	JLI	SW8260C
Acetone	6.4	JS 22	4.3	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	8.7	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Benzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Bromobenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Bromochloromethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Bromodichloromethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Bromoform	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Bromomethane	ND	4.3	1.7	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon Disulfide	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon tetrachloride	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Chlorobenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroform	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Chloromethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromochloromethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromomethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Dichlorodifluoromethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Ethylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Hexachlorobutadiene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Isopropylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
m&p-Xylene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl Ethyl Ketone	ND	26	4.3	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.7	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Methylene chloride	ND	4.3	4.3	ug/Kg	1	08/11/18	JLI	SW8260C
Naphthalene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
n-Butylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
n-Propylbenzene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
o-Xylene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
p-Isopropyltoluene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
sec-Butylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Styrene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
tert-Butylbenzene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrachloroethene	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.7	2.2	ug/Kg	1	08/11/18	JLI	SW8260C
Toluene	0.77	J 4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.7	2.2	ug/Kg	1	08/11/18	JLI	SW8260C
Trichloroethene	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorofluoromethane	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Vinyl chloride	ND	4.3	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	08/11/18	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	96			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	65	35	ug/kg	1	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	17	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Acrolein	ND	4.3	0.87	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	17	0.43	ug/Kg	1	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	87	17	ug/Kg	1	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	250	89	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	360	720	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	72	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	290	290	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	360	210	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1800	720	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	250	93	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	99	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	180	97	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	250	96	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	250	93	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	250	89	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	75			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	65			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	60			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	61			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	64			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	63			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

12:45
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09338

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB7 (18-20)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	91			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,1-Trichloroethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,1,2-Trichloroethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,1-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,3-Trichloropropane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,2,4-Trimethylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dibromoethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloroethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,2-Dichloropropane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,3,5-Trimethylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
1,3-Dichloropropane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
1,4-Dichlorobenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
2,2-Dichloropropane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
2-Chlorotoluene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
2-Hexanone	ND	21	4.2	ug/Kg	1	08/11/18	JLI	SW8260C
2-Isopropyltoluene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
4-Methyl-2-pentanone	ND	21	4.2	ug/Kg	1	08/11/18	JLI	SW8260C
Acetone	5.4	JS 21	4.2	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	8.4	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Benzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Bromobenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Bromochloromethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Bromodichloromethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Bromoform	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Bromomethane	ND	4.2	1.7	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon Disulfide	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Carbon tetrachloride	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Chlorobenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Chloroform	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Chloromethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,2-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
cis-1,3-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromochloromethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Dibromomethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Dichlorodifluoromethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Ethylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Hexachlorobutadiene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Isopropylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
m&p-Xylene	1.1	J 4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl Ethyl Ketone	ND	25	4.2	ug/Kg	1	08/11/18	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	8.4	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Methylene chloride	ND	4.2	4.2	ug/Kg	1	08/11/18	JLI	SW8260C
Naphthalene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
n-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
n-Propylbenzene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
o-Xylene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
p-Isopropyltoluene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
sec-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Styrene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
tert-Butylbenzene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrachloroethene	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Tetrahydrofuran (THF)	ND	8.4	2.1	ug/Kg	1	08/11/18	JLI	SW8260C
Toluene	1.1	J 4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,2-Dichloroethene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,3-Dichloropropene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
trans-1,4-dichloro-2-butene	ND	8.4	2.1	ug/Kg	1	08/11/18	JLI	SW8260C
Trichloroethene	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorofluoromethane	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Trichlorotrifluoroethane	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Vinyl chloride	ND	4.2	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %

1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	96			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	63	33	ug/kg	1	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	08/11/18	JLI	70 - 130 %
% Toluene-d8	99			%	1	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	17	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Acrolein	ND	4.2	0.84	ug/Kg	1	08/11/18	JLI	SW8260C
Acrylonitrile	ND	17	0.42	ug/Kg	1	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	84	17	ug/Kg	1	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	360	730	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	220	73	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	290	170	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	290	290	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	360	210	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1800	730	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	180	98	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	ND	180	150	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	220	140	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	250	89	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/OC Surrogates</u>								
% 2,4,6-Tribromophenol	64			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	58			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	44			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	50			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	53			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	64			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

10:45
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09339

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB8 (18-20)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	92			%		08/10/18	Q	SW846-%Solid
Soil Extraction for SVOA	Completed					08/10/18	JJ/CKV	SW3545A

Volatiles

1,1,1,2-Tetrachloroethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,1,1-Trichloroethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,1,2,2-Tetrachloroethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,1,2-Trichloroethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloroethane	ND	270	78	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloroethene	ND	330	39	ug/Kg	50	08/11/18	PS	SW8260C
1,1-Dichloropropene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,2,3-Trichlorobenzene	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,2,3-Trichloropropane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,2,4-Trichlorobenzene	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,2,4-Trimethylbenzene	180000	3600	780	ug/Kg	1000	08/14/18	PS	SW8260C
1,2-Dibromo-3-chloropropane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dibromoethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichlorobenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichloroethane	ND	39	39	ug/Kg	50	08/11/18	PS	SW8260C
1,2-Dichloropropane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,3,5-Trimethylbenzene	52000	7800	780	ug/Kg	1000	08/14/18	PS	SW8260C
1,3-Dichlorobenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
1,3-Dichloropropane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
1,4-Dichlorobenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
2,2-Dichloropropane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
2-Chlorotoluene	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
2-Hexanone	ND	1900	390	ug/Kg	50	08/11/18	PS	SW8260C
2-Isopropyltoluene	340	J 390	39	ug/Kg	50	08/11/18	PS	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Chlorotoluene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
4-Methyl-2-pentanone	ND	1900	390	ug/Kg	50	08/11/18	PS	SW8260C
Acetone	ND	390	390	ug/Kg	50	08/11/18	PS	SW8260C
Acrylonitrile	ND	780	78	ug/Kg	50	08/11/18	PS	SW8260C
Benzene	1200	780	780	ug/Kg	1000	08/14/18	PS	SW8260C
Bromobenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Bromochloromethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Bromodichloromethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Bromoform	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Bromomethane	ND	390	160	ug/Kg	50	08/11/18	PS	SW8260C
Carbon Disulfide	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Carbon tetrachloride	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Chlorobenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Chloroethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Chloroform	ND	370	39	ug/Kg	50	08/11/18	PS	SW8260C
Chloromethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
cis-1,2-Dichloroethene	ND	250	39	ug/Kg	50	08/11/18	PS	SW8260C
cis-1,3-Dichloropropene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Dibromochloromethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Dibromomethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Dichlorodifluoromethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Ethylbenzene	86000	1000	780	ug/Kg	1000	08/14/18	PS	SW8260C
Hexachlorobutadiene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Isopropylbenzene	9900	3900	390	ug/Kg	500	08/13/18	PS	SW8260C
m&p-Xylene	310000	7800	1600	ug/Kg	1000	08/14/18	PS	SW8260C
Methyl Ethyl Ketone	ND	160	160	ug/Kg	50	08/11/18	PS	SW8260C
Methyl t-butyl ether (MTBE)	ND	780	78	ug/Kg	50	08/11/18	PS	SW8260C
Methylene chloride	ND	390	390	ug/Kg	50	08/11/18	PS	SW8260C
Naphthalene	21000	3900	780	ug/Kg	500	08/13/18	PS	SW8260C
n-Butylbenzene	6600	3900	390	ug/Kg	500	08/13/18	PS	SW8260C
n-Propylbenzene	29000	3900	780	ug/Kg	500	08/13/18	PS	SW8260C
o-Xylene	130000	3900	780	ug/Kg	500	08/13/18	PS	SW8260C
p-Isopropyltoluene	1300	390	39	ug/Kg	50	08/11/18	PS	SW8260C
sec-Butylbenzene	3200	3100	390	ug/Kg	500	08/13/18	PS	SW8260C
Styrene	ND	780	620	ug/Kg	50	08/11/18	PS	SW8260C
tert-Butylbenzene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Tetrachloroethene	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Tetrahydrofuran (THF)	ND	780	190	ug/Kg	50	08/11/18	PS	SW8260C
Toluene	250000	780	780	ug/Kg	1000	08/14/18	PS	SW8260C
trans-1,2-Dichloroethene	ND	190	39	ug/Kg	50	08/11/18	PS	SW8260C
trans-1,3-Dichloropropene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
trans-1,4-dichloro-2-butene	ND	780	190	ug/Kg	50	08/11/18	PS	SW8260C
Trichloroethene	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Trichlorofluoromethane	ND	390	78	ug/Kg	50	08/11/18	PS	SW8260C
Trichlorotrifluoroethane	ND	390	39	ug/Kg	50	08/11/18	PS	SW8260C
Vinyl chloride	ND	39	39	ug/Kg	50	08/11/18	PS	SW8260C
QA/QC Surrogates								
% 1,2-dichlorobenzene-d4	99			%	50	08/11/18	PS	70 - 130 %
% Bromofluorobenzene	113			%	50	08/11/18	PS	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Dibromofluoromethane	94			%	50	08/11/18	PS	70 - 130 %
% Toluene-d8	86			%	50	08/11/18	PS	70 - 130 %
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3100	3100	ug/kg	50	08/11/18	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	50	08/11/18	JLI	70 - 130 %
% Bromofluorobenzene	113			%	50	08/11/18	JLI	70 - 130 %
% Toluene-d8	86			%	50	08/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1600	78	ug/Kg	50	08/11/18	JLI	SW8260C
Acrolein	ND	390	78	ug/Kg	50	08/11/18	JLI	SW8260C
Acrylonitrile	ND	1600	39	ug/Kg	50	08/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	7800	1600	ug/Kg	50	08/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
1,2,4-Trichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Dichlorobenzene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
1,2-Diphenylhydrazine	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
1,3-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
1,4-Dichlorobenzene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	08/11/18	KCA	SW8270D
2,4,6-Trichlorophenol	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dichlorophenol	ND	180	130	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2,4-Dinitrotoluene	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
2,6-Dinitrotoluene	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylnaphthalene	3900	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/11/18	KCA	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	08/11/18	KCA	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
3,3'-Dichlorobenzidine	ND	180	170	ug/Kg	1	08/11/18	KCA	SW8270D
3-Nitroaniline	ND	360	710	ug/Kg	1	08/11/18	KCA	SW8270D
4,6-Dinitro-2-methylphenol	ND	210	71	ug/Kg	1	08/11/18	KCA	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chloroaniline	ND	280	170	ug/Kg	1	08/11/18	KCA	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitroaniline	ND	360	120	ug/Kg	1	08/11/18	KCA	SW8270D
4-Nitrophenol	ND	360	160	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Acenaphthylene	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Aniline	ND	280	280	ug/Kg	1	08/11/18	KCA	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzidine	ND	360	210	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(a)pyrene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(ghi)perylene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Benzoic acid	ND	1800	710	ug/Kg	1	08/11/18	KCA	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroethyl)ether	ND	180	96	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	08/11/18	KCA	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Carbazole	ND	180	140	ug/Kg	1	08/11/18	KCA	SW8270D
Chrysene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenz(a,h)anthracene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	08/11/18	KCA	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	08/11/18	KCA	SW8270D
Fluoranthene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobenzene	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Hexachloroethane	ND	180	110	ug/Kg	1	08/11/18	KCA	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Isophorone	ND	180	100	ug/Kg	1	08/11/18	KCA	SW8270D
Naphthalene	2900	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Nitrobenzene	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodi-n-propylamine	ND	180	120	ug/Kg	1	08/11/18	KCA	SW8270D
N-Nitrosodiphenylamine	ND	250	140	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachloronitrobenzene	ND	250	130	ug/Kg	1	08/11/18	KCA	SW8270D
Pentachlorophenol	ND	210	130	ug/Kg	1	08/11/18	KCA	SW8270D
Phenanthrene	130	J 250	100	ug/Kg	1	08/11/18	KCA	SW8270D
Phenol	ND	250	110	ug/Kg	1	08/11/18	KCA	SW8270D
Pyrene	ND	250	120	ug/Kg	1	08/11/18	KCA	SW8270D
Pyridine	ND	250	88	ug/Kg	1	08/11/18	KCA	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	77			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorobiphenyl	66			%	1	08/11/18	KCA	30 - 130 %
% 2-Fluorophenol	60			%	1	08/11/18	KCA	30 - 130 %
% Nitrobenzene-d5	60			%	1	08/11/18	KCA	30 - 130 %
% Phenol-d5	59			%	1	08/11/18	KCA	30 - 130 %
% Terphenyl-d14	67			%	1	08/11/18	KCA	30 - 130 %
Field Extraction	Completed					08/09/18		SW5035A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Per 1.4.6 of EPA method 8270D, 1,2-Diphenylhydrazine is unstable and readily converts to Azobenzene. Azobenzene is used for the calibration of 1,2-Diphenylhydrazine.

Volatile Comment:

Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

Volatile Comment:

Due to the presence of a large amount of non-target petroleum material, this sample required a dilution. Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

12:00
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09340

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB3 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Aluminum	9320	35	7.1	mg/Kg	10	08/13/18	EK	SW6010C
Arsenic	4.21	0.71	0.71	mg/Kg	1	08/13/18	EK	SW6010C
Barium	169	0.7	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Beryllium	0.48	0.28	0.14	mg/Kg	1	08/13/18	EK	SW6010C
Calcium	14100	35	32	mg/Kg	10	08/13/18	EK	SW6010C
Cadmium	0.63	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Cobalt	8.39	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Chromium	23.9	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Copper	29.0	0.7	0.35	mg/kg	1	08/13/18	EK	SW6010C
Iron	21900	35	35	mg/Kg	10	08/13/18	EK	SW6010C
Mercury	0.36	0.03	0.02	mg/Kg	1	08/13/18	RS	SW7471B
Potassium	1490	7	2.8	mg/Kg	1	08/13/18	EK	SW6010C
Magnesium	5980	35	35	mg/Kg	10	08/13/18	EK	SW6010C
Manganese	385	3.5	3.5	mg/Kg	10	08/13/18	EK	SW6010C
Sodium	567	7	3.0	mg/Kg	1	08/13/18	EK	SW6010C
Nickel	26.0	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Lead	240	7.1	3.5	mg/Kg	10	08/13/18	EK	SW6010C
Antimony	ND	3.5	3.5	mg/Kg	1	08/13/18	EK	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	08/13/18	EK	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	08/13/18	EK	SW6010C
Vanadium	32.3	0.35	0.35	mg/Kg	1	08/13/18	EK	SW6010C
Zinc	159	7.1	3.5	mg/Kg	10	08/13/18	EK	SW6010C
Percent Solid	92			%		08/10/18	Q	SW846-%Solid
Mercury Digestion	Completed					08/13/18	I/I	SW7471B
Total Metals Digest	Completed					08/10/18	T/AG/BF	SW3050B

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB3 (0-2)

Phoenix I.D.: CB09340

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

14:00
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09341

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB5 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Aluminum	6160	37	7.4	mg/Kg	10	08/13/18	EK	SW6010C
Arsenic	8.83	0.74	0.74	mg/Kg	1	08/13/18	EK	SW6010C
Barium	799	0.7	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Beryllium	0.33	0.30	0.15	mg/Kg	1	08/13/18	EK	SW6010C
Calcium	53800	37	34	mg/Kg	10	08/13/18	EK	SW6010C
Cadmium	1.02	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Cobalt	8.29	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Chromium	22.9	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Copper	61.3	0.7	0.37	mg/kg	1	08/13/18	EK	SW6010C
Iron	17300	37	37	mg/Kg	10	08/13/18	EK	SW6010C
Mercury	0.87	0.03	0.02	mg/Kg	1	08/13/18	RS	SW7471B
Potassium	1150	7	2.9	mg/Kg	1	08/13/18	EK	SW6010C
Magnesium	10500	37	37	mg/Kg	10	08/13/18	EK	SW6010C
Manganese	319	3.7	3.7	mg/Kg	10	08/13/18	EK	SW6010C
Sodium	383	7	3.2	mg/Kg	1	08/13/18	EK	SW6010C
Nickel	18.1	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Lead	817	7.4	3.7	mg/Kg	10	08/13/18	EK	SW6010C
Antimony	ND	3.7	3.7	mg/Kg	1	08/13/18	EK	SW6010C
Selenium	ND	1.5	1.3	mg/Kg	1	08/13/18	EK	SW6010C
Thallium	ND	1.5	1.5	mg/Kg	1	08/13/18	EK	SW6010C
Vanadium	22.6	0.37	0.37	mg/Kg	1	08/13/18	EK	SW6010C
Zinc	490	7.4	3.7	mg/Kg	10	08/13/18	EK	SW6010C
Percent Solid	91			%		08/10/18	Q	SW846-%Solid
Mercury Digestion	Completed					08/13/18	I/I	SW7471B
Total Metals Digest	Completed					08/10/18	T/AG/BF	SW3050B

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB5 (0-2)

Phoenix I.D.: CB09341

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

August 17, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: LB
Analyzed by: see "By" below

Date

08/09/18
08/10/18

Time

10:30
17:07

Laboratory Data

SDG ID: GCB09334
Phoenix ID: CB09342

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB8 (0-2)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Aluminum	8660	36	7.2	mg/Kg	10	08/13/18	EK	SW6010C
Arsenic	2.76	0.72	0.72	mg/Kg	1	08/13/18	EK	SW6010C
Barium	76.8	0.7	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Beryllium	0.44	0.29	0.14	mg/Kg	1	08/13/18	EK	SW6010C
Calcium	8010	3.6	3.3	mg/Kg	1	08/13/18	EK	SW6010C
Cadmium	0.51	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Cobalt	7.41	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Chromium	20.1	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Copper	31.5	0.7	0.36	mg/kg	1	08/13/18	EK	SW6010C
Iron	19100	36	36	mg/Kg	10	08/13/18	EK	SW6010C
Mercury	0.11	0.03	0.02	mg/Kg	1	08/13/18	RS	SW7471B
Potassium	1300	7	2.8	mg/Kg	1	08/13/18	EK	SW6010C
Magnesium	3520	3.6	3.6	mg/Kg	1	08/13/18	EK	SW6010C
Manganese	627	3.6	3.6	mg/Kg	10	08/13/18	EK	SW6010C
Sodium	415	7	3.1	mg/Kg	1	08/13/18	EK	SW6010C
Nickel	17.9	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Lead	93.1	0.7	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Antimony	ND	3.6	3.6	mg/Kg	1	08/13/18	EK	SW6010C
Selenium	ND	1.4	1.2	mg/Kg	1	08/13/18	EK	SW6010C
Thallium	ND	1.4	1.4	mg/Kg	1	08/13/18	EK	SW6010C
Vanadium	29.0	0.36	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Zinc	89.8	0.7	0.36	mg/Kg	1	08/13/18	EK	SW6010C
Percent Solid	92			%		08/10/18	Q	SW846-%Solid
Mercury Digestion	Completed					08/13/18	I/I	SW7471B
Total Metals Digest	Completed					08/10/18	T/AG/BF	SW3050B

Project ID: 1013 ATLANTIC AVE., BROOKLYN
Client ID: SB8 (0-2)

Phoenix I.D.: CB09342

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

August 17, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Friday, August 17, 2018

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCB09334 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB09334	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2000	270	1700	1700	ug/Kg
CB09334	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	360	190	330	330	ug/Kg
CB09334	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	190	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	270	500	500	ug/Kg
CB09334	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	2000	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Residential	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1700	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	270	500	500	ug/Kg
CB09334	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	360	190	330	330	ug/Kg
CB09334	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	2000	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	190	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2600	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	270	500	500	ug/Kg
CB09334	\$8270SMRDP	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	270	800	800	ug/Kg
CB09334	\$8270SMRDP	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	360	190	330	330	ug/Kg
CB09334	\$8270SMRDP	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	190	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	2000	270	1000	1000	ug/Kg
CB09334	\$8270SMRDP	Dibenzofuran	NY / 375-6.8 Volatiles / Unrestricted Use Soil	730	270	330	330	ug/Kg
CB09334	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2200	100	100	ug/kg
CB09334	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2200	100	100	ug/kg
CB09339	\$8260MADPR	Naphthalene	NY / 375-6.8 Semivolatiles / Ground Water Protection	21000	3900	12000	12000	ug/Kg
CB09339	\$8260MADPR	Naphthalene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	21000	3900	12000	12000	ug/Kg
CB09339	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Ground Water Protection	1200	780	60	60	ug/Kg
CB09339	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	86000	1000	1000	1000	ug/Kg
CB09339	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	180000	3600	3600	3600	ug/Kg
CB09339	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	39	20	20	ug/Kg
CB09339	\$8260MADPR	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	52000	7800	8400	8400	ug/Kg
CB09339	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	390	50	50	ug/Kg
CB09339	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	390	50	50	ug/Kg
CB09339	\$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Ground Water Protection	29000	3900	3900	3900	ug/Kg
CB09339	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Ground Water Protection	250000	780	700	700	ug/Kg
CB09339	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Ground Water Protection	ND	160	120	120	ug/Kg
CB09339	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Ground Water Protection	ND	39	20	20	ug/Kg
CB09339	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Residential	250000	780	100000	100000	ug/Kg
CB09339	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential	180000	3600	47000	47000	ug/Kg
CB09339	\$8260MADPR	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential	52000	7800	47000	47000	ug/Kg

Friday, August 17, 2018

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCB09334 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB09339	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Residential	86000	1000	30000	30000	ug/Kg
CB09339	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Residential Restricted	86000	1000	41000	41000	ug/Kg
CB09339	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Residential Restricted	180000	3600	52000	52000	ug/Kg
CB09339	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Residential Restricted	250000	780	100000	100000	ug/Kg
CB09339	\$8260MADPR	Ethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	86000	1000	1000	1000	ug/Kg
CB09339	\$8260MADPR	Toluene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	250000	780	700	700	ug/Kg
CB09339	\$8260MADPR	Benzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1200	780	60	60	ug/Kg
CB09339	\$8260MADPR	n-Propylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	29000	3900	3900	3900	ug/Kg
CB09339	\$8260MADPR	1,2-Dichloroethane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	39	20	20	ug/Kg
CB09339	\$8260MADPR	Methylene chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	390	50	50	ug/Kg
CB09339	\$8260MADPR	1,3,5-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	52000	7800	8400	8400	ug/Kg
CB09339	\$8260MADPR	Acetone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	390	50	50	ug/Kg
CB09339	\$8260MADPR	Methyl Ethyl Ketone	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	160	120	120	ug/Kg
CB09339	\$8260MADPR	Vinyl chloride	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	39	20	20	ug/Kg
CB09339	\$8260MADPR	1,2,4-Trimethylbenzene	NY / 375-6.8 Volatiles / Unrestricted Use Soil	180000	3600	3600	3600	ug/Kg
CB09339	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	3100	100	100	ug/kg
CB09339	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	3100	100	100	ug/kg
CB09340	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.36	0.03	0.18	0.18	mg/Kg
CB09340	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	240	7.1	63	63	mg/Kg
CB09340	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	159	7.1	109	109	mg/Kg
CB09341	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	799	0.7	350	350	mg/Kg
CB09341	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential Restricted	799	0.7	400	400	mg/Kg
CB09341	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	799	0.7	350	350	mg/Kg
CB09341	CU-SM	Copper	NY / 375-6.8 Metals / Unrestricted Use Soil	61.3	0.7	50	50	mg/kg
CB09341	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.87	0.03	0.73	0.73	mg/Kg
CB09341	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.87	0.03	0.81	0.81	mg/Kg
CB09341	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.87	0.03	0.81	0.81	mg/Kg
CB09341	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.87	0.03	0.18	0.18	mg/Kg
CB09341	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	817	7.4	450	450	mg/Kg
CB09341	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	817	7.4	400	400	mg/Kg
CB09341	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	817	7.4	400	400	mg/Kg
CB09341	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	817	7.4	63	63	mg/Kg
CB09341	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	490	7.4	109	109	mg/Kg
CB09342	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	93.1	0.7	63	63	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedances. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedance information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

August 17, 2018

SDG I.D.: GCB09334

The samples in this delivery group were received at 4.6°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

NY/NJ CHAIN OF CUSTODY RECORD



587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
 Client Services (860) 645-8726

Customer: Environmental Business Consultants
 Address: 1808 Middle Country Road
 Ridge, New York 11961

Project: 1013 ATLANTIC AVENUE, BROOKLYN Project P.O.:
 Report to: Environmental Business Consultants
 Invoice to: Environmental Business Consultants

Coolant: ☒ IPK ☒ ICE ☐ No ☐ No
 Temp: 40° C Pg of
 Contact Options:
 Fax: ☐ (631) 504-6000
 Phone: ☐ Csoosik@ebcincny.com
 Email: ☐

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification
 Sampler's Signature: Tony Balado Date: 8.9.18

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	Analysis Request	SOIL VOA Vals (X) methanol (X) H2O	GL Soil container (8) oz	GL Antler 1000ml (HCl) 1oz	PL H2SO4 (250ml) 1/250ml	PL HNO3 250ml	PL NaOH 250ml	Beckman Bottle
093334	SB1 (8-10)	S	8.9.18	11:15	X							
093335	SB2 (18-20)			11:45								
093336	SB3 (13-15)			12:15								
093337	SB4 (18-20)			1:15								
093338	SB7 (18-20)			12:45								
093339	SB8 (18-20)			10:45								
093340	SB3 (0-2)			12:00	X							
093341	SB5 (0-2)			2:00	X							
093342	SB8 (0-2)			10:30	X							

Relinquished by: *[Signature]* Accepted by: *[Signature]* Date: 8-10-18 Time: 9:00
 Date: 8-10-18 Time: 17:07
 Turnaround: ☐ 1 Day* ☐ 2 Days* ☐ 3 Days* ☒ 5 Days ☐ 10 Days ☐ Other
 * SURCHARGE APPLIES
 NJ: ☐ Res. Criteria ☐ Non-Res. Criteria ☐ Impact to GW Soil ☐ Cleanup Criteria ☐ GW Criteria
 NY: ☐ TAGM 4046 GW ☐ TAGM 4046 SOIL ☐ NY375 Unrestricted Use Soil ☐ NY375 Residential ☐ Restricted/Residential ☐ Commercial ☐ Industrial
 Data Format: ☐ Phoenix Std Report ☐ Excel ☐ PDF ☐ GIS/Key ☐ EQUIS ☐ NJ Hazsite EDD ☐ NY EZ EDD (ASP) ☐ Other
 Data Package: ☐ NJ Reduced Deliv. ☐ NY Enhanced (ASP B) ☐ Other
 State where samples were collected: NY

Comments, Special Requirements or Regulations:



Thursday, October 18, 2018

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1013 ATLANTIC AVE BROOKLYN
Sample ID#s: CB69102 - CB69103

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

October 18, 2018

SDG I.D.: GCB69102

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: SW
Analyzed by: see "By" below

Date

10/09/18
10/10/18

Time

11:55
15:05

Laboratory Data

SDG ID: GCB69102
Phoenix ID: CB69102

Project ID: 1013 ATLANTIC AVE BROOKLYN
Client ID: SB8 (20-22)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	94			%		10/10/18	IG	SW846-%Solid
Soil Extraction for SVOA	Completed					10/10/18	JJ/CKV	SW3545A

1,4-dioxane

1,4-dioxane	ND	2200	2200	ug/kg	50	10/11/18	JLI	SW8260C

Volatile Organic Compounds

1,2,4-Trimethylbenzene	1800	54	27	ug/Kg	50	10/11/18	PS	SW8260C
1,3,5-Trimethylbenzene	530	54	27	ug/Kg	50	10/11/18	PS	SW8260C
Acetone	ND	49	49	ug/Kg	50	10/11/18	PS	SW8260C
Benzene	ND	60	27	ug/Kg	50	10/11/18	PS	SW8260C
Ethylbenzene	330	110	27	ug/Kg	50	10/11/18	PS	SW8260C
Isopropylbenzene	67	54	27	ug/Kg	50	10/11/18	PS	SW8260C
m&p-Xylene	1400	110	54	ug/Kg	50	10/11/18	PS	SW8260C
Methyl t-Butyl Ether (MTBE)	ND	110	54	ug/Kg	50	10/11/18	PS	SW8260C
Naphthalene	340	110	54	ug/Kg	50	10/11/18	PS	SW8260C
n-Butylbenzene	110	54	27	ug/Kg	50	10/11/18	PS	SW8260C
n-Propylbenzene	250	54	54	ug/Kg	50	10/11/18	PS	SW8260C
o-Xylene	550	110	54	ug/Kg	50	10/11/18	PS	SW8260C
p-Isopropyltoluene	ND	54	27	ug/Kg	50	10/11/18	PS	SW8260C
sec-Butylbenzene	45	54	27	ug/Kg	50	10/11/18	PS	SW8260C
tert-Butylbenzene	ND	54	27	ug/Kg	50	10/11/18	PS	SW8260C
Toluene	270	110	27	ug/Kg	50	10/11/18	PS	SW8260C
Total Xylenes	1950	110	110	ug/Kg	50	10/11/18	PS	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	99	%	50	10/11/18	PS	70 - 130 %
% Bromofluorobenzene	95	%	50	10/11/18	PS	70 - 130 %
% Dibromofluoromethane	95	%	50	10/11/18	PS	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	94			%	50	10/11/18	PS	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1100	54	ug/Kg	50	10/11/18	JLI	SW8260C
Acrolein	ND	270	54	ug/Kg	50	10/11/18	JLI	SW8260C
Acrylonitrile	ND	1100	27	ug/Kg	50	10/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	5400	1100	ug/Kg	50	10/11/18	JLI	SW8260C

Semivolatiles

Acenaphthene	ND	250	110	ug/Kg	1	10/11/18	WB	SW8270D
Acenaphthylene	ND	250	99	ug/Kg	1	10/11/18	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(a)pyrene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Dibenz(a,h)anthracene	ND	250	110	ug/Kg	1	10/11/18	WB	SW8270D
Fluoranthene	190	J 250	110	ug/Kg	1	10/11/18	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	10/11/18	WB	SW8270D
Naphthalene	600	250	100	ug/Kg	1	10/11/18	WB	SW8270D
Phenanthrene	110	J 250	100	ug/Kg	1	10/11/18	WB	SW8270D
Pyrene	180	J 250	120	ug/Kg	1	10/11/18	WB	SW8270D

QA/QC Surrogates

% 2-Fluorobiphenyl	74			%	1	10/11/18	WB	30 - 130 %
% Nitrobenzene-d5	73			%	1	10/11/18	WB	30 - 130 %
% Terphenyl-d14	72			%	1	10/11/18	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

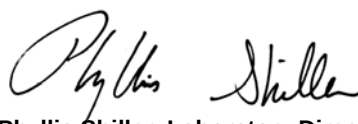
Volatile Comment:

Due to the presence of a large amount of non-target petroleum material, this sample required a dilution. Where the LOD justifies lowering the RL/PQL, the RL/PQL of some compounds are evaluated below the lowest calibration standard in order to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

October 18, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

October 18, 2018

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TB
Received by: SW
Analyzed by: see "By" below

Date

10/09/18
10/10/18

Time

12:05
15:05

Laboratory Data

SDG ID: GCB69102
Phoenix ID: CB69103

Project ID: 1013 ATLANTIC AVE BROOKLYN
Client ID: SB8 (22-24)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Percent Solid	95			%		10/10/18	IG	SW846-%Solid
Soil Extraction for SVOA	Completed					10/10/18	JJ/CKV	SW3545A

1,4-dioxane

1,4-dioxane	ND	77	41	ug/kg	1	10/11/18	JLI	SW8260C

Volatile Organic Compounds

1,2,4-Trimethylbenzene	0.71	J	1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
1,3,5-Trimethylbenzene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Acetone	ND		10	5.1	ug/Kg	1	10/11/18	JLI	SW8260C
Benzene	ND		2.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Ethylbenzene	0.53	J	2.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Isopropylbenzene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
m&p-Xylene	1.9	J	2.0	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
Methyl t-Butyl Ether (MTBE)	ND		2.0	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
Naphthalene	ND		2.0	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
n-Butylbenzene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
n-Propylbenzene	ND		1.0	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
o-Xylene	ND		2.0	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
p-Isopropyltoluene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
sec-Butylbenzene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
tert-Butylbenzene	ND		1.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Toluene	1.5	J	2.0	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Total Xylenes	ND		2.0	2.0	ug/Kg	1	10/11/18	JLI	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	99		%	1	10/11/18	JLI	70 - 130 %
% Bromofluorobenzene	93		%	1	10/11/18	JLI	70 - 130 %
% Dibromofluoromethane	96		%	1	10/11/18	JLI	70 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Toluene-d8	94			%	1	10/11/18	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
Acrolein	ND	5.1	1.0	ug/Kg	1	10/11/18	JLI	SW8260C
Acrylonitrile	ND	20	0.51	ug/Kg	1	10/11/18	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	10/11/18	JLI	SW8260C
<u>Semivolatiles</u>								
Acenaphthene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Acenaphthylene	ND	240	97	ug/Kg	1	10/11/18	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(a)pyrene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	10/11/18	WB	SW8270D
Dibenz(a,h)anthracene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	10/11/18	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	10/11/18	WB	SW8270D
Phenanthrene	ND	240	99	ug/Kg	1	10/11/18	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	10/11/18	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	67			%	1	10/11/18	WB	30 - 130 %
% Nitrobenzene-d5	63			%	1	10/11/18	WB	30 - 130 %
% Terphenyl-d14	47			%	1	10/11/18	WB	30 - 130 %

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services.

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Phyllis Shiller, Laboratory Director

October 18, 2018

Reviewed and Released by: Phyllis Shiller, Laboratory Director

Thursday, October 18, 2018

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCB69102 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CB69102	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	2200	100	100	ug/kg
CB69102	\$DIOX_SMR	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	2200	100	100	ug/kg
CB69102	\$DP_8021SSR	Total Xylenes	NY / 375-6.8 Volatiles / Ground Water Protection	1950	110	1600	1600	ug/Kg
CB69102	\$DP_8021SSR	Total Xylenes	NY / 375-6.8 Volatiles / Unrestricted Use Soil	1950	110	260	260	ug/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

October 18, 2018

SDG I.D.: GCB69102

The samples in this delivery group were received at 2.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Wednesday, March 04, 2020

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
SDG ID: GCF29955
Sample ID#s: CF29955 - CF29963

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1015 ATLANTIC AVENUE BROOKLYN
Laboratory Project: GCF29955



Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

Methodology Summary

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



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NY Analytical Services Protocol Format

March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 1.2°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CF29955	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29955	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29955	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29955	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29955	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29955	Polychlorinated Biphenyls	02/10/20	02/12/20	02/14/20	SC	Y
CF29955	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29955	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y
CF29955	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29955	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29955	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29955	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29956	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y



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NY Analytical Services Protocol Format

March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29956	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29956	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29956	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29956	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29956	Polychlorinated Biphenyls	02/10/20	02/12/20	02/14/20	SC	Y
CF29956	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29956	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y
CF29956	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29956	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29956	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29956	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29957	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29957	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Chromium	02/10/20	02/11/20	02/12/20	TH	Y



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SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29957	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29957	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29957	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29957	Polychlorinated Biphenyls	02/10/20	02/12/20	02/13/20	SC	Y
CF29957	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29957	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y
CF29957	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29957	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29957	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29957	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29958	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29958	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Mercury	02/10/20	02/12/20	02/12/20	RS	Y



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March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29958	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29958	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29958	Polychlorinated Biphenyls	02/10/20	02/12/20	02/13/20	SC	Y
CF29958	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29958	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y
CF29958	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29958	Volatiles	02/10/20	02/13/20	02/13/20	JLI	Y
CF29958	Volatiles	02/10/20	02/13/20	02/13/20	JLI	Y
CF29958	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29959	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29959	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29959	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29959	Pesticides - Soil	02/10/20	02/12/20	02/14/20	CG	Y
CF29959	Polychlorinated Biphenyls	02/10/20	02/12/20	02/13/20	SC	Y
CF29959	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29959	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y



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NY Analytical Services Protocol Format

March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29959	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29959	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29959	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29959	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29960	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29960	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29960	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29960	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29960	Polychlorinated Biphenyls	02/10/20	02/12/20	02/13/20	SC	Y
CF29960	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29960	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Semivolatiles	02/10/20	02/11/20	02/12/20	WB	Y
CF29960	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29960	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29960	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29960	Zinc	02/10/20	02/11/20	02/12/20	TH	Y



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NY Analytical Services Protocol Format

March 04, 2020

SDG I.D.: GCF29955

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29961	1,4-Dioxane	02/10/20	02/11/20	02/12/20	WB	Y
CF29961	Aluminum	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Antimony	02/10/20	02/11/20	02/12/20	EK	Y
CF29961	Arsenic	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Barium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Beryllium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Cadmium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Calcium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Chromium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Cobalt	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Copper	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Iron	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Lead	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Magnesium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Manganese	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Mercury	02/10/20	02/12/20	02/12/20	RS	Y
CF29961	Nickel	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Percent Solid	02/10/20	02/11/20	02/11/20	VT	Y
CF29961	Pesticides - Soil	02/10/20	02/12/20	02/13/20	CG	Y
CF29961	Polychlorinated Biphenyls	02/10/20	02/12/20	02/13/20	SC	Y
CF29961	Potassium	02/10/20	02/11/20	02/13/20	EK	Y
CF29961	Selenium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Semivolatiles	02/10/20	02/11/20	02/11/20	WB	Y
CF29961	Silver	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Sodium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Thallium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Vanadium	02/10/20	02/11/20	02/12/20	TH	Y
CF29961	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29961	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29961	Zinc	02/10/20	02/11/20	02/12/20	TH	Y
CF29962	1,4-dioxane	02/10/20	02/12/20	02/12/20	JLI	Y
CF29962	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29962	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29963	1,4-dioxane	02/10/20	02/12/20	02/12/20	JLI	Y
CF29963	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y
CF29963	Volatiles	02/10/20	02/12/20	02/12/20	JLI	Y



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SDG Comments

March 04, 2020

SDG I.D.: GCF29955

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Sample Id Cross Reference

March 04, 2020

SDG I.D.: GCF29955

Project ID: 1015 ATLANTIC AVENUE BROOKLYN

Client Id	Lab Id	Matrix
19B1 (0-4)	CF29955	SOIL
19B1 (23-25)	CF29956	SOIL
19B2 (0-4)	CF29957	SOIL
19B2 (23-25)	CF29958	SOIL
19B6 (0-4)	CF29959	SOIL
19B6 (23-25)	CF29960	SOIL
SOIL DUPLICATE 2	CF29961	SOIL
TRIP BLANK HL	CF29962	SOIL
TRIP BLANK LL	CF29963	SOIL



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Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

13:00
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29955

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B1 (0-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	8880	38	7.5	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	3.21	0.75	0.75	mg/Kg	1	02/12/20	TH	SW6010D
Barium	75.1	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.45	0.30	0.15	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	21700	38	35	mg/Kg	10	02/12/20	TH	SW6010D
Cadmium	1.43	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	8.24	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	19.3	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Copper	26.7	0.8	0.38	mg/kg	1	02/12/20	TH	SW6010D
Iron	21300	38	38	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	0.14	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	1240	N 8	2.9	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	8590	38	38	mg/Kg	10	02/12/20	TH	SW6010D
Manganese	400	3.8	3.8	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	786	8	3.2	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	23.3	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Lead	100	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	28.6	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	107	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	91			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	02/14/20	SC	SW8082A

QA/QC Surrogates

% DCBP	67			%	2	02/14/20	SC	30 - 150 %
% DCBP (Confirmation)	68			%	2	02/14/20	SC	30 - 150 %
% TCMX	76			%	2	02/14/20	SC	30 - 150 %
% TCMX (Confirmation)	76			%	2	02/14/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	36	36	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	86			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	74			%	2	02/13/20	CG	30 - 150 %
% TCMX	63			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	58			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	28	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	18	JS 28	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	1.4	J 5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	5.6	2.2	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	2.1	J 5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	1.3	J 5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	22	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	34	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	5.6	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	5.6	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	8.9	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	5.1	J 5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	30.9	5.6	5.6	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	5.6	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	96			%	1	02/12/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	5.6	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	22	0.56	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	02/12/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/13/20	JLI	
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	72	72	ug/Kg	1	02/12/20	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	52			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	86			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	52			%	1	02/12/20	WB	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	170	J 250	120	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	250	95	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	580	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	620	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	500	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	390	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	450	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	570	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	1200	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	420	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	770	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	1100	250	130	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	56			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	56			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	54			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	53			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	56			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	58			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

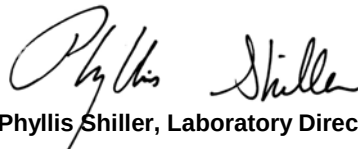
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

13:30
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29956

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B1 (23-25)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	4790	36	7.2	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	2.05	0.72	0.72	mg/Kg	1	02/12/20	TH	SW6010D
Barium	38.5	0.7	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.39	0.29	0.14	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	1830	3.6	3.3	mg/Kg	1	02/12/20	TH	SW6010D
Cadmium	0.96	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	7.68	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	14.5	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Copper	22.6	0.7	0.36	mg/kg	1	02/12/20	TH	SW6010D
Iron	18600	36	36	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	ND	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	1140	N 7	2.8	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	2900	3.6	3.6	mg/Kg	1	02/12/20	TH	SW6010D
Manganese	506	3.6	3.6	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	220	7	3.1	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	37.3	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Lead	38.1	0.7	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	27.8	0.36	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	33.4	0.7	0.36	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	96			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1221	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1232	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1242	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1248	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1254	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1260	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1262	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A
PCB-1268	ND	67	67	ug/Kg	2	02/14/20	SC	SW8082A

QA/QC Surrogates

% DCBP	86			%	2	02/14/20	SC	30 - 150 %
% DCBP (Confirmation)	86			%	2	02/14/20	SC	30 - 150 %
% TCMX	70			%	2	02/14/20	SC	30 - 150 %
% TCMX (Confirmation)	69			%	2	02/14/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.0	2.0	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.0	2.0	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.3	1.3	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	6.7	6.7	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	130	130	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	84			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	80			%	2	02/13/20	CG	30 - 150 %
% TCMX	62			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	62			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	27	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	27	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	8.3	JS 27	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	0.87	J 5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	5.4	2.1	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	7.2	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	0.62	J 5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	21	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	32	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	5.4	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	5.4	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	2.7	J 5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	0.68	J 5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	23.7	5.4	5.4	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	5.4	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	97			%	1	02/12/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	21	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	5.4	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	21	0.54	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	21	ug/Kg	1	02/12/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/13/20	JLI	
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	67	67	ug/Kg	1	02/12/20	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	47			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	59			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	55			%	1	02/12/20	WB	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	84	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	130	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	240	96	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	240	96	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	240	210	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	680	240	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	680	160	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1700	110	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	240	150	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	140	95	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	240	88	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	87	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	92	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	240	90	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	240	87	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	140	99	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	140	95	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	240	98	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	96	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	ND	140	97	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	63			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	55			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	53			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	58			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	68			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

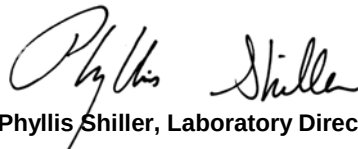
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

10:30
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29957

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B2 (0-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	8320	33	6.6	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	2.70	0.66	0.66	mg/Kg	1	02/12/20	TH	SW6010D
Barium	74.4	0.7	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.39	0.26	0.13	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	35400	33	30	mg/Kg	10	02/12/20	TH	SW6010D
Cadmium	1.18	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	6.22	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	16.4	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Copper	21.7	0.7	0.33	mg/kg	1	02/12/20	TH	SW6010D
Iron	18500	33	33	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	0.15	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	1150	N 7	2.6	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	3590	3.3	3.3	mg/Kg	1	02/12/20	TH	SW6010D
Manganese	404	3.3	3.3	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	555	7	2.8	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	15.1	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Lead	79.1	0.7	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	25.9	0.33	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	114	0.7	0.33	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	90			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1221	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1232	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1242	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1248	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1254	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1260	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1262	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1268	ND	74	74	ug/Kg	2	02/13/20	SC	SW8082A

QA/QC Surrogates

% DCBP	86			%	2	02/13/20	SC	30 - 150 %
% DCBP (Confirmation)	61			%	2	02/13/20	SC	30 - 150 %
% TCMX	79			%	2	02/13/20	SC	30 - 150 %
% TCMX (Confirmation)	70			%	2	02/13/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	37	37	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	86			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	78			%	2	02/13/20	CG	30 - 150 %
% TCMX	69			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	64			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	9.7	JS 26	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	1.3	J 5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	5.2	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	1.1	J 5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	5.2	5.2	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	90			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	92			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	95			%	1	02/12/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	02/12/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/13/20 JLI

1,4-Dioxane

1,4-dioxane	ND	73	73	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	49			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	77			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	54			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	250	95	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	490	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	630	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	510	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	480	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	470	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	490	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	920	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	500	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	360	360	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	420	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	890	250	130	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	51			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	63			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	52			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	59			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	62			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	71			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

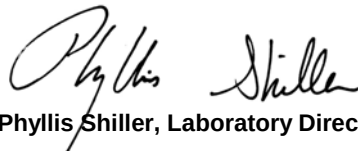
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

10:45
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29958

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B2 (23-25)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	8060	35	7.0	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	1.12	0.70	0.70	mg/Kg	1	02/12/20	TH	SW6010D
Barium	43.6	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.50	0.28	0.14	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	3350	3.5	3.2	mg/Kg	1	02/12/20	TH	SW6010D
Cadmium	0.94	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	8.35	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	19.2	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Copper	40.3	0.7	0.35	mg/kg	1	02/12/20	TH	SW6010D
Iron	18200	35	35	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	ND	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	1690	N 7	2.7	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	3410	3.5	3.5	mg/Kg	1	02/12/20	TH	SW6010D
Manganese	457	3.5	3.5	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	830	7	3.0	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	24.4	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Lead	7.8	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	33.6	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	28.8	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	95			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A

QA/QC Surrogates

% DCBP	76			%	2	02/13/20	SC	30 - 150 %
% DCBP (Confirmation)	59			%	2	02/13/20	SC	30 - 150 %
% TCMX	73			%	2	02/13/20	SC	30 - 150 %
% TCMX (Confirmation)	67			%	2	02/13/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	78			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	73			%	2	02/13/20	CG	30 - 150 %
% TCMX	53			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	54			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
2-Hexanone	ND	28	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	28	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
Acetone	12	JS 28	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
Benzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Bromochloromethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Bromodichloromethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Bromoform	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Bromomethane	ND	5.6	2.3	ug/Kg	1	02/13/20	JLI	SW8260C
Carbon Disulfide	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Carbon tetrachloride	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Chlorobenzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Chloroethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Chloroform	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Chloromethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Cyclohexane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Dibromochloromethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Ethylbenzene	2.8	J 5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Isopropylbenzene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
m&p-Xylene	9.5	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Methyl ethyl ketone	ND	34	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	1.1	J 11	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Methylacetate	ND	5.6	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
Methylcyclohexane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Methylene chloride	ND	5.6	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
o-Xylene	2.1	J 5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Styrene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Tetrachloroethene	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Toluene	0.67	J 5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Total Xylenes	11.6	5.6	5.6	ug/Kg	1	02/13/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Trichloroethene	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Vinyl chloride	ND	5.6	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	02/13/20	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	02/13/20	JLI	70 - 130 %
% Dibromofluoromethane	89			%	1	02/13/20	JLI	70 - 130 %
% Toluene-d8	97			%	1	02/13/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	23	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Acrolein	ND	5.6	1.1	ug/Kg	1	02/13/20	JLI	SW8260C
Acrylonitrile	ND	23	0.56	ug/Kg	1	02/13/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	23	ug/Kg	1	02/13/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/14/20 JLI

1,4-Dioxane

1,4-dioxane	ND	69	69	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	49			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	75			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	52			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	87	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	700	240	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1700	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	240	91	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	97	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	240	93	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	190	J 240	110	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	140	98	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	190	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	170	J 240	120	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	54			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	55			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	59			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	58			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	64			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	60			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

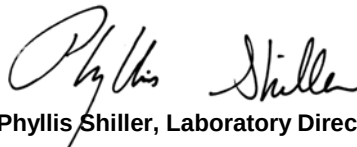
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

8:45
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29959

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B6 (0-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	4260	38	7.5	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	2.49	0.75	0.75	mg/Kg	1	02/12/20	TH	SW6010D
Barium	62.2	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.28	J 0.30	0.15	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	78700	38	35	mg/Kg	10	02/12/20	TH	SW6010D
Cadmium	0.83	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	3.66	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	9.76	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Copper	20.8	0.8	0.38	mg/kg	1	02/12/20	TH	SW6010D
Iron	8640	3.8	3.8	mg/Kg	1	02/12/20	TH	SW6010D
Mercury	0.12	N 0.07	0.04	mg/Kg	5	02/12/20	RS	SW7471B
Potassium	794	N 8	2.9	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	33900	38	38	mg/Kg	10	02/12/20	TH	SW6010D
Manganese	239	3.8	3.8	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	315	8	3.2	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	12.8	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Lead	54.1	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	15.8	0.38	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	74.4	0.8	0.38	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	91			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	02/13/20	SC	SW8082A

QA/QC Surrogates

% DCBP	79			%	2	02/13/20	SC	30 - 150 %
% DCBP (Confirmation)	70			%	2	02/13/20	SC	30 - 150 %
% TCMX	75			%	2	02/13/20	SC	30 - 150 %
% TCMX (Confirmation)	74			%	2	02/13/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/14/20	CG	SW8081B
4,4' -DDE	4.3	2.1	2.1	ug/Kg	2	02/14/20	CG	SW8081B
4,4' -DDT	9.5	2.1	2.1	ug/Kg	2	02/14/20	CG	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	02/14/20	CG	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	02/14/20	CG	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Chlordane	ND	36	36	ug/Kg	2	02/14/20	CG	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	02/14/20	CG	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/14/20	CG	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	02/14/20	CG	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	02/14/20	CG	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	02/14/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/14/20	CG	SW8081B

QA/QC Surrogates

% DCBP	61			%	2	02/14/20	CG	30 - 150 %
% DCBP (Confirmation)	39			%	2	02/14/20	CG	30 - 150 %
% TCMX	55			%	2	02/14/20	CG	30 - 150 %
% TCMX (Confirmation)	49			%	2	02/14/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	31	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	6.6 JS	31	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	6.2	2.5	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	37	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	6.2	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	6.2	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	6.2	6.2	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	6.2	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	87			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	95			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	95			%	1	02/12/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	25	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	6.2	1.2	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	25	0.62	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	120	25	ug/Kg	1	02/12/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/13/20 JLI

1,4-Dioxane

1,4-dioxane	ND	100	99	ug/Kg	10	02/12/20	PS	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl (10x)	43			%	10	02/12/20	PS	30 - 130 %
% Nitrobenzene-d5 (10x)	43			%	10	02/12/20	PS	30 - 130 %
% Terphenyl-d14 (10x)	42			%	10	02/12/20	PS	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	90	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	730	250	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	210	J 250	120	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	250	95	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	890	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	870	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	740	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	430	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	660	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	150	98	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	180	J 250	100	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	870	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	250	97	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	250	94	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	2100	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	440	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	250	140	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	1100	150	100	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	250	120	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	2000	250	130	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	55			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	54			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	59			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	58			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	60			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	62			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

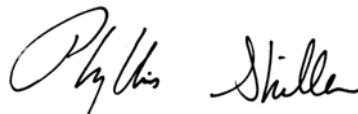
Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20
02/11/20

Time

9:00
15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29960

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B6 (23-25)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	3750	31	6.3	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	1.07	0.63	0.63	mg/Kg	1	02/12/20	TH	SW6010D
Barium	30.8	0.6	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.22	J 0.25	0.13	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	1470	3.1	2.9	mg/Kg	1	02/12/20	TH	SW6010D
Cadmium	0.66	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	5.78	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	13.1	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Copper	16.6	0.6	0.31	mg/kg	1	02/12/20	TH	SW6010D
Iron	11500	31	31	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	ND	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	768	N 6	2.4	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	2390	3.1	3.1	mg/Kg	1	02/12/20	TH	SW6010D
Manganese	300	3.1	3.1	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	181	6	2.7	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	28.2	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Lead	4.5	0.6	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.1	3.1	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	19.9	0.31	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	26.3	0.6	0.31	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	96			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A

QA/QC Surrogates

% DCBP	79			%	2	02/13/20	SC	30 - 150 %
% DCBP (Confirmation)	53			%	2	02/13/20	SC	30 - 150 %
% TCMX	64			%	2	02/13/20	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	02/13/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	70			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	67			%	2	02/13/20	CG	30 - 150 %
% TCMX	49			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	47			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	35	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	35	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	13 JS	35	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	7.0	2.8	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	42	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	14	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	7.0	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	7.0	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	7.0	7.0	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	7.0	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	94			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	93			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	97			%	1	02/12/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	28	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	7.0	1.4	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	28	0.70	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	140	28	ug/Kg	1	02/12/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/13/20 JLI

1,4-Dioxane

1,4-dioxane	ND	69	69	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	47			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	78			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	50			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/12/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/12/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	02/12/20	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/12/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	02/12/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/12/20	WB	SW8270D
3-Nitroaniline	ND	690	240	ug/Kg	1	02/12/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Chloroaniline	ND	690	160	ug/Kg	1	02/12/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitroaniline	ND	1700	120	ug/Kg	1	02/12/20	WB	SW8270D
4-Nitrophenol	ND	240	160	ug/Kg	1	02/12/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	02/12/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Atrazine	ND	240	90	ug/Kg	1	02/12/20	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	1	02/12/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/12/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/12/20	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	02/12/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	02/12/20	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	02/12/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/12/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	02/12/20	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	02/12/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/12/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/12/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/12/20	WB	SW8270D
Phenanthrene	ND	140	99	ug/Kg	1	02/12/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/12/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/12/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	55			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorobiphenyl	49			%	1	02/12/20	WB	30 - 130 %
% 2-Fluorophenol	49			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	48			%	1	02/12/20	WB	30 - 130 %
% Phenol-d5	54			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	60			%	1	02/12/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

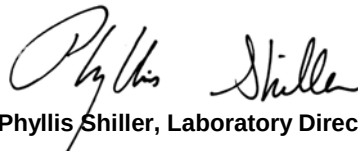
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20

Time

15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29961

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: SOIL DUPLICATE 2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Aluminum	3350	35	6.9	mg/Kg	10	02/12/20	TH	SW6010D
Arsenic	1.75	0.69	0.69	mg/Kg	1	02/12/20	TH	SW6010D
Barium	35.0	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Beryllium	0.31	0.28	0.14	mg/Kg	1	02/12/20	TH	SW6010D
Calcium	1430	3.5	3.2	mg/Kg	1	02/12/20	TH	SW6010D
Cadmium	1.62	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Cobalt	5.88	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Chromium	11.3	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Copper	22.9	0.7	0.35	mg/kg	1	02/12/20	TH	SW6010D
Iron	35600	35	35	mg/Kg	10	02/12/20	TH	SW6010D
Mercury	ND	N 0.03	0.02	mg/Kg	2	02/12/20	RS	SW7471B
Potassium	686	N 7	2.7	mg/Kg	1	02/13/20	EK	SW6010D
Magnesium	1780	3.5	3.5	mg/Kg	1	02/12/20	TH	SW6010D
Manganese	994	3.5	3.5	mg/Kg	10	02/12/20	TH	SW6010D
Sodium	188	7	3.0	mg/Kg	1	02/12/20	TH	SW6010D
Nickel	33.1	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Lead	6.4	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	02/12/20	EK	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	02/12/20	TH	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/12/20	TH	SW6010D
Vanadium	21.6	0.35	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Zinc	35.4	0.7	0.35	mg/Kg	1	02/12/20	TH	SW6010D
Percent Solid	95			%		02/11/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	BB/AL	SW3545A
Soil Extraction for PCB	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for Pesticides	Completed					02/12/20	KK/L	SW3545A
Soil Extraction for SVOA	Completed					02/11/20	BB/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/12/20	LS/Q	SW7471B
Total Metals Digest	Completed					02/11/20	F/AG	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/13/20	SC	SW8082A

QA/QC Surrogates

% DCBP	73			%	2	02/13/20	SC	30 - 150 %
% DCBP (Confirmation)	59			%	2	02/13/20	SC	30 - 150 %
% TCMX	63			%	2	02/13/20	SC	30 - 150 %
% TCMX (Confirmation)	60			%	2	02/13/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/13/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	02/13/20	CG	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	02/13/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Chlordane	ND	35	35	ug/Kg	2	02/13/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/13/20	CG	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/13/20	CG	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	02/13/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/13/20	CG	SW8081B

QA/QC Surrogates

% DCBP	72			%	2	02/13/20	CG	30 - 150 %
% DCBP (Confirmation)	62			%	2	02/13/20	CG	30 - 150 %
% TCMX	54			%	2	02/13/20	CG	30 - 150 %
% TCMX (Confirmation)	53			%	2	02/13/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	38	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	38	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	ND	38	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	7.5	3.0	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	45	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	15	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	7.5	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	7.5	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	7.5	7.5	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	7.5	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	99			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	94			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	97			%	1	02/12/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	30	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	7.5	1.5	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	30	0.75	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	150	30	ug/Kg	1	02/12/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/13/20	JLI	
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	69	69	ug/Kg	1	02/12/20	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	46			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	69			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	50			%	1	02/12/20	WB	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	85	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	240	97	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	240	97	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	690	240	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	690	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1700	110	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	96	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	240	89	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	95	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	240	91	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	96	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	97	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	98	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	56			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	49			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	43			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	40			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	44			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	56			%	1	02/11/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/12/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20

Time

15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29962

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3800	2000	ug/kg	50	02/12/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	02/12/20	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	02/12/20	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Cyclohexane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	1500	250	ug/Kg	50	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	02/12/20	JLI	SW8260C
Methylacetate	ND	250	250	ug/Kg	50	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	02/12/20	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Total Xylenes	ND	250	250	ug/Kg	50	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	100			%	50	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene (50x)	95			%	50	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane (50x)	89			%	50	02/12/20	JLI	70 - 130 %
% Toluene-d8 (50x)	96			%	50	02/12/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	02/12/20	JLI	SW8260C
Acrolein	ND	250	50	ug/Kg	50	02/12/20	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	02/12/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/13/20	JLI	

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 04, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/10/20

Time

15:26

Laboratory Data

SDG ID: GCF29955
Phoenix ID: CF29963

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	02/12/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	30	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	5.0	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	5.0	5.0	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	97			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	92			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	97			%	1	02/12/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	5.0	1.0	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	02/12/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/13/20	JLI	

Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 04, 2020

Reviewed and Released by: Maryam Taylor, Project Manager

CLIENT ID

19B1 (0-4)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29955

Matrix:(soil/water) SOIL

Lab Sample ID: CF29955

Sample wt/vol: 4.92 (g/mL) g

Lab File ID: 0212_22.D

Level: (low/med) Low

Date Received: 02/11/20

% Moisture: not dec.	9

Date Analyzed: 02/12/20

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 13

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

CLIENT ID

19B2 (0-4)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29955

Matrix:(soil/water) SOIL

Lab Sample ID: CF29957

Sample wt/vol: 5.39 (g/mL) g

Lab File ID: 0212_24.D

Level: (low/med) Low

Date Received: 02/11/20

% Moisture: not dec.	10

Date Analyzed: 02/12/20

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

FORM I VOA-TIC

19B2 (23-25)

19B6 (0-4)

CLIENT ID

SOIL DUPLICATE 2

Client: EBC

SDG No.: GCF29955

Lab Sample ID: CF29961

Lab File ID: 0212_27.D

Date Received: 02/11/20

Date Analyzed: 02/12/20

Dilution Factor: 1

Soil Aliquot Vol (uL): 5000

CONCENTRATION UNITS:
(ug/L or ug/KG)

[illegible]

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29955

Matrix:(soil/water) SOIL

Lab Sample ID: CF29962

Sample wt/vol: 10 (g/mL) g

Lab File ID: 0212_21.D

Level: (low/med) Meth

Date Received: 02/11/20

% Moisture: not dec.	0

Date Analyzed: 02/12/20

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 50

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 100

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29955

Matrix:(soil/water) SOIL

Lab Sample ID: CF29963

Sample wt/vol: 5 (g/mL) g

Lab File ID: 0212_20.D

Level: (low/med) Low

Date Received: 02/11/20

% Moisture: not dec.	0

Date Analyzed: 02/12/20

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

CLIENT ID

CLIENT ID

Client: EBC

SAS No.:

Lab Sample ID: CF29957

Lab File ID: 0211_15.D

Date Received: 02/11/20

Date Extracted: 02/12/20

Date Analyzed: 2/12/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

Client: EBC

SAS No.:

SDG No.: GCF29955

Lab Sample ID: CF29958

Lab File ID: 0211_16.D

Date Received: 02/11/20

Date Extracted: 02/12/20

Date Analyzed: 2/12/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

19B6 (0-4)

Client: EBC

SAS No.:

SDG No.: GCF29955

Lab Sample ID: CF29959

Lab File ID: 0211_18.D

Date Received: 02/11/20

Date Extracted: 02/12/20

Date Analyzed: 2/12/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29955

Matrix:(soil/water) SOIL

Lab Sample ID: CF29960

Sample wt/vol: 15.09 (g/mL) g

Lab File ID: 0211_17.D

Level: (low/med) Low

Date Received: 02/11/20

% Moisture: not dec. 4 decanted:(Y/N) NA

Date Extracted: 02/12/20

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 2/12/2020

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/KG) ug/Kg

FORM I SEMIVOA-TIC

Page 75 of 88

CLIENT ID
SOIL DUPLICATE 2

Client: EBC

SAS No.:

SDG No.: GCF29955

Lab Sample ID: CF29961

Lab File ID: 0211_12.D

Date Received: 02/11/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

March 04, 2020

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 518228 (mg/kg), QC Sample No: CF30125 2X (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)													
Mercury - Soil	BRL	0.03	0.19	0.24	23.3	90.3	97.4	7.6	127	109	15.3	75 - 125	30 m
QA/QC Batch 518134 (mg/kg), QC Sample No: CF29955 (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)													
<u>ICP Metals - Soil</u>													
Aluminum	BRL	5.0	8880	8970	1.00	102	104	1.9	NC			80 - 120	30
Antimony	BRL	3.3	<3.8	<3.5	NC	51.6	53.5	3.6	83.7			70 - 130	30 I
Arsenic	BRL	0.67	3.21	3.13	NC	113	115	1.8	97.2			80 - 120	30
Barium	BRL	0.33	75.1	83.1	10.1	111	113	1.8	120			80 - 120	30
Beryllium	BRL	0.27	0.45	0.49	NC	107	108	0.9	99.7			80 - 120	30
Cadmium	BRL	0.33	1.43	1.40	NC	104	105	1.0	95.2			80 - 120	30
Calcium	BRL	5.0	21700	17700	20.3	104	104	0.0	NC			80 - 120	30
Chromium	BRL	0.33	19.3	19.1	1.00	107	108	0.9	97.8			80 - 120	30
Cobalt	BRL	0.33	8.24	7.31	12.0	105	105	0.0	94.9			80 - 120	30
Copper	BRL	0.67	26.7	28.1	5.10	108	111	2.7	99.4			80 - 120	30
Iron	BRL	5.0	21300	23000	7.70	98.6	100	1.4	NC			80 - 120	30
Lead	BRL	0.33	100	118	16.5	109	110	0.9	102			80 - 120	30
Magnesium	BRL	5.0	8590	6980	20.7	108	108	0.0	NC			80 - 120	30
Manganese	BRL	0.33	400	402	0.50	109	106	2.8	98.6			80 - 120	30
Nickel	BRL	0.33	23.3	18.6	22.4	106	107	0.9	96.7			80 - 120	30
Potassium	BRL	5.0	1240 N	1250	0.80	117	117	0.0	>130			80 - 120	30 m
Selenium	BRL	1.3	<1.5	<1.4	NC	111	112	0.9	99.4			80 - 120	30
Silver	BRL	0.33	<0.38	<0.35	NC	108	110	1.8	97.4			70 - 130	30
Sodium	BRL	5.0	786	710	10.2	106	108	1.9	92.0			80 - 120	30
Thallium	BRL	3.0	<1.5	<3.1	NC	111	112	0.9	94.4			80 - 120	30
Vanadium	BRL	0.33	28.6	32.1	11.5	108	110	1.8	100			80 - 120	30
Zinc	BRL	0.67	107	106	0.90	108	109	0.9	103			80 - 120	30

I = This parameter is outside laboratory LCS/LCSD specified recovery limits.
m = This parameter is outside laboratory MS/MSD specified recovery limits.



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QA/QC Report

March 04, 2020

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 518282 (ug/Kg), QC Sample No: CF29956 2X (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)										
<u>Polychlorinated Biphenyls - Soil</u>										
PCB-1016	ND	33	82	80	2.5	65	73	11.6	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	83	82	1.2	66	75	12.8	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	82	%	88	83	5.8	66	74	11.4	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	78	%	84	99	16.4	79	86	8.5	30 - 150	30
% TCMX (Surrogate Rec)	79	%	81	88	8.3	69	77	11.0	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	76	%	81	90	10.5	71	78	9.4	30 - 150	30
QA/QC Batch 518285 (ug/Kg), QC Sample No: CF29956 2X (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)										
<u>Pesticides - Soil</u>										
4,4' -DDD	ND	1.7	75	71	5.5	61	65	6.3	40 - 140	30
4,4' -DDE	ND	1.7	74	70	5.6	58	62	6.7	40 - 140	30
4,4' -DDT	ND	1.7	71	68	4.3	59	62	5.0	40 - 140	30
a-BHC	ND	1.0	79	66	17.9	53	58	9.0	40 - 140	30
a-Chlordane	ND	3.3	71	68	4.3	55	59	7.0	40 - 140	30
Aldrin	ND	1.0	72	65	10.2	53	58	9.0	40 - 140	30
b-BHC	ND	1.0	93	86	7.8	76	78	2.6	40 - 140	30
Chlordane	ND	33	73	70	4.2	59	62	5.0	40 - 140	30
d-BHC	ND	3.3	75	70	6.9	59	62	5.0	40 - 140	30
Dieldrin	ND	1.0	68	67	1.5	56	60	6.9	40 - 140	30
Endosulfan I	ND	3.3	74	70	5.6	58	62	6.7	40 - 140	30
Endosulfan II	ND	3.3	65	65	0.0	56	59	5.2	40 - 140	30
Endosulfan sulfate	ND	3.3	79	79	0.0	68	71	4.3	40 - 140	30
Endrin	ND	3.3	76	73	4.0	62	65	4.7	40 - 140	30
Endrin aldehyde	ND	3.3	73	68	7.1	56	61	8.5	40 - 140	30
Endrin ketone	ND	3.3	69	68	1.5	58	61	5.0	40 - 140	30
g-BHC	ND	1.0	73	65	11.6	53	57	7.3	40 - 140	30
g-Chlordane	ND	3.3	73	70	4.2	59	62	5.0	40 - 140	30
Heptachlor	ND	3.3	74	66	11.4	55	59	7.0	40 - 140	30
Heptachlor epoxide	ND	3.3	69	66	4.4	53	55	3.7	40 - 140	30
Methoxychlor	ND	3.3	77	75	2.6	64	68	6.1	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	79	%	81	77	5.1	64	68	6.1	30 - 150	30
% DCBP (Confirmation)	68	%	77	73	5.3	64	64	0.0	30 - 150	30

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% TCMX	57	%	84	67	22.5	50	58	14.8	30 - 150	30
% TCMX (Confirmation)	56	%	79	65	19.4	53	56	5.5	30 - 150	30

QA/QC Batch 518132 (ug/kg), QC Sample No: CF29961 (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)

Semivolatiles - Soil

1,1-Biphenyl	ND	230	45	58	25.2	53			30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	230	53	67	23.3	60			30 - 130	30
2,3,4,6-tetrachlorophenol	ND	230	69	77	11.0	64			30 - 130	30
2,4,5-Trichlorophenol	ND	230	62	74	17.6	65			30 - 130	30
2,4,6-Trichlorophenol	ND	130	59	74	22.6	64			30 - 130	30
2,4-Dichlorophenol	ND	130	60	75	22.2	66			30 - 130	30
2,4-Dimethylphenol	ND	230	59	73	21.2	62			30 - 130	30
2,4-Dinitrophenol	ND	230	64	69	7.5	43			30 - 130	30
2,4-Dinitrotoluene	ND	130	64	74	14.5	65			30 - 130	30
2,6-Dinitrotoluene	ND	130	60	72	18.2	65			30 - 130	30
2-Chloronaphthalene	ND	230	48	61	23.9	56			30 - 130	30
2-Chlorophenol	ND	230	50	60	18.2	57			30 - 130	30
2-Methylnaphthalene	ND	230	50	63	23.0	57			30 - 130	30
2-Methylphenol (o-cresol)	ND	230	35	41	15.8	48			30 - 130	30
2-Nitroaniline	ND	330	70	82	15.8	72			30 - 130	30
2-Nitrophenol	ND	230	53	72	30.4	63			30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	56	63	11.8	60			30 - 130	30
3,3'-Dichlorobenzidine	ND	130	53	71	29.0	69			30 - 130	30
3-Nitroaniline	ND	330	66	82	21.6	75			30 - 130	30
4,6-Dinitro-2-methylphenol	ND	230	72	77	6.7	60			30 - 130	30
4-Bromophenyl phenyl ether	ND	230	61	71	15.2	65			30 - 130	30
4-Chloro-3-methylphenol	ND	230	65	73	11.6	64			30 - 130	30
4-Chloroaniline	ND	230	43	59	31.4	58			30 - 130	30
4-Chlorophenyl phenyl ether	ND	230	57	69	19.0	60			30 - 130	30
4-Nitroaniline	ND	230	58	66	12.9	59			30 - 130	30
4-Nitrophenol	ND	230	60	68	12.5	56			30 - 130	30
Acenaphthene	ND	230	51	62	19.5	58			30 - 130	30
Acenaphthylene	ND	130	50	61	19.8	56			30 - 130	30
Acetophenone	ND	230	43	51	17.0	49			30 - 130	30
Anthracene	ND	230	60	69	14.0	63			30 - 130	30
Atrazine	ND	130	41	49	17.8	44			30 - 130	30
Benz(a)anthracene	ND	230	61	70	13.7	64			30 - 130	30
Benzaldehyde	ND	230	61	70	13.7	18			30 - 130	30
Benzo(a)pyrene	ND	130	66	76	14.1	68			30 - 130	30
Benzo(b)fluoranthene	ND	160	61	69	12.3	64			30 - 130	30
Benzo(ghi)perylene	ND	230	58	67	14.4	61			30 - 130	30
Benzo(k)fluoranthene	ND	230	64	73	13.1	65			30 - 130	30
Benzyl butyl phthalate	ND	230	63	70	10.5	67			30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	45	60	28.6	54			30 - 130	30
Bis(2-chloroethyl)ether	ND	130	34	42	21.1	40			30 - 130	30
Bis(2-chloroisopropyl)ether	ND	230	34	43	23.4	41			30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	65	73	11.6	66			30 - 130	30
Caprolactam	ND	230	62	68	9.2	61			30 - 130	30
Carbazole	ND	230	63	71	11.9	64			30 - 130	30
Chrysene	ND	230	59	66	11.2	61			30 - 130	30
Dibenz(a,h)anthracene	ND	130	64	73	13.1	66			30 - 130	30
Dibenzofuran	ND	230	53	64	18.8	58			30 - 130	30
Diethyl phthalate	ND	230	59	67	12.7	59			30 - 130	30

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Dimethylphthalate	ND	230	55	67	19.7	59			30 - 130	30
Di-n-butylphthalate	ND	670	65	73	11.6	64			30 - 130	30
Di-n-octylphthalate	ND	230	60	66	9.5	61			30 - 130	30
Fluoranthene	ND	230	68	76	11.1	66			30 - 130	30
Fluorene	ND	230	57	69	19.0	60			30 - 130	30
Hexachlorobenzene	ND	130	52	59	12.6	55			30 - 130	30
Hexachlorobutadiene	ND	230	46	63	31.2	59			30 - 130	30
Hexachlorocyclopentadiene	ND	230	35	33	5.9	34			30 - 130	30
Hexachloroethane	ND	130	34	44	25.6	44			30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	63	72	13.3	66			30 - 130	30
Isophorone	ND	130	43	55	24.5	50			30 - 130	30
Naphthalene	ND	230	44	58	27.5	55			30 - 130	30
Nitrobenzene	ND	130	43	50	15.1	50			30 - 130	30
N-Nitrosodimethylamine	ND	230	31	42	30.1	41			30 - 130	30
N-Nitrosodi-n-propylamine	ND	130	46	53	14.1	52			30 - 130	30
N-Nitrosodiphenylamine	ND	130	68	79	15.0	67			30 - 130	30
Pentachlorophenol	ND	230	64	65	1.6	67			30 - 130	30
Phenanthrene	ND	130	60	67	11.0	62			30 - 130	30
Phenol	ND	230	56	66	16.4	61			30 - 130	30
Pyrene	ND	230	70	79	12.1	68			30 - 130	30
% 2,4,6-Tribromophenol	36	%	57	67	16.1	56			30 - 130	30
% 2-Fluorobiphenyl	41	%	45	59	26.9	50			30 - 130	30
% 2-Fluorophenol	35	%	45	55	20.0	48			30 - 130	30
% Nitrobenzene-d5	34	%	43	51	17.0	46			30 - 130	30
% Phenol-d5	37	%	48	57	17.1	50			30 - 130	30
% Terphenyl-d14	56	%	59	70	17.1	53			30 - 130	30

Comment:

This batch consists of a Blank, LCS, LCSD and MS.

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 518086 (ug/kg), QC Sample No: CF29349 (CF29955, CF29956, CF29957, CF29958, CF29959, CF29960, CF29961)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	89	90	1.1	91	88	3.4	30 - 130	30
% 2-Fluorobiphenyl	38	%	36	46	24.4	40	35	13.3	30 - 130	30
% Nitrobenzene-d5	50	%	31	67	73.5	59	49	18.5	30 - 130	30
% Terphenyl-d14	47	%	50	51	2.0	52	47	10.1	30 - 130	30

QA/QC Batch 518589 (ug/kg), QC Sample No: CF29663 (CF29958)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	92	96	4.3	96	91	5.3	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	94	96	2.1	99	94	5.2	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	100	101	1.0	101	96	5.1	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	91	95	4.3	97	92	5.3	70 - 130	30
1,1-Dichloroethane	ND	5.0	95	95	0.0	99	94	5.2	70 - 130	30
1,1-Dichloroethene	ND	5.0	93	97	4.2	99	92	7.3	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	90	93	3.3	88	84	4.7	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	94	96	2.1	86	82	4.8	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	90	91	1.1	90	86	4.5	70 - 130	30
1,2-Dibromoethane	ND	5.0	91	95	4.3	95	90	5.4	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	92	94	2.2	91	86	5.6	70 - 130	30
1,2-Dichloroethane	ND	5.0	94	98	4.2	98	93	5.2	70 - 130	30
1,2-Dichloropropane	ND	5.0	96	99	3.1	103	95	8.1	70 - 130	30

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,3-Dichlorobenzene	ND	5.0	93	96	3.2	91	85	6.8	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	93	95	2.1	89	84	5.8	70 - 130	30
2-Hexanone	ND	25	92	96	4.3	97	93	4.2	70 - 130	30
4-Methyl-2-pentanone	ND	25	95	97	2.1	99	96	3.1	70 - 130	30
Acetone	ND	10	78	84	7.4	82	82	0.0	70 - 130	30
Acrolein	ND	25	85	88	3.5	83	79	4.9	70 - 130	30
Acrylonitrile	ND	5.0	91	93	2.2	94	92	2.2	70 - 130	30
Benzene	ND	1.0	94	98	4.2	102	95	7.1	70 - 130	30
Bromochloromethane	ND	5.0	94	96	2.1	97	93	4.2	70 - 130	30
Bromodichloromethane	ND	5.0	93	98	5.2	97	92	5.3	70 - 130	30
Bromoform	ND	5.0	92	96	4.3	91	87	4.5	70 - 130	30
Bromomethane	ND	5.0	96	97	1.0	103	93	10.2	70 - 130	30
Carbon Disulfide	ND	5.0	83	88	5.8	88	82	7.1	70 - 130	30
Carbon tetrachloride	ND	5.0	95	98	3.1	100	94	6.2	70 - 130	30
Chlorobenzene	ND	5.0	92	95	3.2	96	90	6.5	70 - 130	30
Chloroethane	ND	5.0	81	82	1.2	84	79	6.1	70 - 130	30
Chloroform	ND	5.0	95	97	2.1	99	94	5.2	70 - 130	30
Chloromethane	ND	5.0	81	84	3.6	85	81	4.8	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	95	94	1.1	100	95	5.1	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	93	98	5.2	97	92	5.3	70 - 130	30
Cyclohexane	ND	5.0	84	86	2.4	90	84	6.9	70 - 130	30
Dibromochloromethane	ND	3.0	94	97	3.1	94	91	3.2	70 - 130	30
Dichlorodifluoromethane	ND	5.0	81	81	0.0	81	78	3.8	70 - 130	30
Ethylbenzene	ND	1.0	95	98	3.1	99	92	7.3	70 - 130	30
Isopropylbenzene	ND	1.0	94	97	3.1	99	93	6.3	70 - 130	30
m&p-Xylene	ND	2.0	93	97	4.2	97	91	6.4	70 - 130	30
Methyl ethyl ketone	ND	5.0	89	92	3.3	89	85	4.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	88	90	2.2	90	85	5.7	70 - 130	30
Methylacetate	ND	5.0	99	101	2.0	102	96	6.1	70 - 130	30
Methylcyclohexane	ND	5.0	103	107	3.8	109	101	7.6	70 - 130	30
Methylene chloride	ND	5.0	80	84	4.9	84	79	6.1	70 - 130	30
o-Xylene	ND	2.0	94	98	4.2	99	92	7.3	70 - 130	30
Styrene	ND	5.0	94	97	3.1	97	91	6.4	70 - 130	30
tert-butyl alcohol	ND	100	89	91	2.2	86	88	2.3	70 - 130	30
Tetrachloroethene	ND	5.0	91	95	4.3	96	89	7.6	70 - 130	30
Toluene	ND	1.0	94	97	3.1	101	94	7.2	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	93	95	2.1	96	91	5.3	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	93	97	4.2	97	91	6.4	70 - 130	30
Trichloroethene	ND	5.0	90	93	3.3	98	91	7.4	70 - 130	30
Trichlorofluoromethane	ND	5.0	83	85	2.4	86	81	6.0	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	89	91	2.2	91	87	4.5	70 - 130	30
Vinyl chloride	ND	5.0	84	87	3.5	90	84	6.9	70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	99	0.0	99	99	0.0	70 - 130	30
% Bromofluorobenzene	95	%	100	100	0.0	99	99	0.0	70 - 130	30
% Dibromofluoromethane	93	%	96	96	0.0	93	96	3.2	70 - 130	30
% Toluene-d8	96	%	98	98	0.0	99	99	0.0	70 - 130	30

QA/QC Batch 518431 (ug/kg), QC Sample No: CF30210 (CF29955, CF29956, CF29957, CF29959, CF29960, CF29961, CF29963)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	88	99	11.8	97	92	5.3	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	90	100	10.5	95	91	4.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	97	107	9.8	103	96	7.0	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	88	98	10.8	98	91	7.4	70 - 130	30

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1-Dichloroethane	ND	5.0	92	103	11.3	100	93	7.3	70 - 130	30
1,1-Dichloroethene	ND	5.0	94	106	12.0	97	93	4.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	87	95	8.8	85	83	2.4	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	89	98	9.6	82	83	1.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	93	99	6.3	94	87	7.7	70 - 130	30
1,2-Dibromoethane	ND	5.0	90	98	8.5	97	91	6.4	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	87	98	11.9	89	88	1.1	70 - 130	30
1,2-Dichloroethane	ND	5.0	89	99	10.6	98	91	7.4	70 - 130	30
1,2-Dichloropropane	ND	5.0	91	104	13.3	101	94	7.2	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	88	98	10.8	88	87	1.1	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	88	99	11.8	88	86	2.3	70 - 130	30
1,4-dioxane	ND	100	90	96	6.5	106	94	12.0	70 - 130	30
2-Hexanone	ND	25	95	101	6.1	98	90	8.5	70 - 130	30
4-Methyl-2-pentanone	ND	25	95	104	9.0	100	91	9.4	70 - 130	30
Acetone	ND	10	81	88	8.3	85	75	12.5	70 - 130	30
Acrolein	ND	25	88	96	8.7	90	81	10.5	70 - 130	30
Acrylonitrile	ND	5.0	93	101	8.2	98	88	10.8	70 - 130	30
Benzene	ND	1.0	91	103	12.4	99	94	5.2	70 - 130	30
Bromochloromethane	ND	5.0	91	101	10.4	101	92	9.3	70 - 130	30
Bromodichloromethane	ND	5.0	89	100	11.6	97	91	6.4	70 - 130	30
Bromoform	ND	5.0	88	99	11.8	96	90	6.5	70 - 130	30
Bromomethane	ND	5.0	96	109	12.7	108	104	3.8	70 - 130	30
Carbon Disulfide	ND	5.0	85	96	12.2	88	84	4.7	70 - 130	30
Carbon tetrachloride	ND	5.0	91	102	11.4	94	91	3.2	70 - 130	30
Chlorobenzene	ND	5.0	89	100	11.6	95	92	3.2	70 - 130	30
Chloroethane	ND	5.0	80	91	12.9	85	83	2.4	70 - 130	30
Chloroform	ND	5.0	91	101	10.4	98	92	6.3	70 - 130	30
Chloromethane	ND	5.0	84	94	11.2	86	80	7.2	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	89	103	14.6	101	93	8.2	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	90	101	11.5	97	92	5.3	70 - 130	30
Cyclohexane	ND	5.0	82	91	10.4	83	82	1.2	70 - 130	30
Dibromochloromethane	ND	3.0	89	100	11.6	98	91	7.4	70 - 130	30
Dichlorodifluoromethane	ND	5.0	81	91	11.6	79	78	1.3	70 - 130	30
Ethylbenzene	ND	1.0	91	103	12.4	95	94	1.1	70 - 130	30
Isopropylbenzene	ND	1.0	91	103	12.4	93	93	0.0	70 - 130	30
m&p-Xylene	ND	2.0	91	103	12.4	94	92	2.2	70 - 130	30
Methyl ethyl ketone	ND	5.0	90	97	7.5	93	82	12.6	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	85	93	9.0	93	86	7.8	70 - 130	30
Methylacetate	ND	5.0	103	111	7.5	109	97	11.7	70 - 130	30
Methylcyclohexane	ND	5.0	98	111	12.4	97	99	2.0	70 - 130	30
Methylene chloride	ND	5.0	80	89	10.7	88	82	7.1	70 - 130	30
o-Xylene	ND	2.0	91	103	12.4	96	94	2.1	70 - 130	30
Styrene	ND	5.0	92	104	12.2	95	92	3.2	70 - 130	30
tert-butyl alcohol	ND	100	82	90	9.3	95	87	8.8	70 - 130	30
Tetrachloroethene	ND	5.0	88	101	13.8	89	88	1.1	70 - 130	30
Toluene	ND	1.0	91	103	12.4	97	93	4.2	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	92	103	11.3	98	92	6.3	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	89	100	11.6	98	90	8.5	70 - 130	30
Trichloroethene	ND	5.0	89	101	12.6	93	91	2.2	70 - 130	30
Trichlorofluoromethane	ND	5.0	80	91	12.9	82	81	1.2	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	87	98	11.9	87	87	0.0	70 - 130	30
Vinyl chloride	ND	5.0	87	98	11.9	92	86	6.7	70 - 130	30
% 1,2-dichlorobenzene-d4	99	%	99	98	1.0	98	99	1.0	70 - 130	30

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% Bromofluorobenzene	94	%	98	98	0.0	100	99	1.0	70 - 130	30
% Dibromofluoromethane	91	%	97	96	1.0	96	95	1.0	70 - 130	30
% Toluene-d8	97	%	97	99	2.0	99	98	1.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this Low Level batch.

QA/QC Batch 518431H (ug/kg), QC Sample No: CF30210 50X (CF29962 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	100	99	1.0	96	97	1.0	70 - 130	30	
1,1,1-Trichloroethane	ND	250	99	101	2.0	97	96	1.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	250	106	107	0.9	103	103	0.0	70 - 130	30	
1,1,2-Trichloroethane	ND	250	97	97	0.0	96	95	1.0	70 - 130	30	
1,1-Dichloroethane	ND	250	101	103	2.0	102	100	2.0	70 - 130	30	
1,1-Dichloroethene	ND	250	78	79	1.3	74	74	0.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	250	100	102	2.0	87	93	6.7	70 - 130	30	
1,2,4-Trichlorobenzene	ND	250	104	107	2.8	92	98	6.3	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	250	99	99	0.0	87	89	2.3	70 - 130	30	
1,2-Dibromoethane	ND	250	97	98	1.0	96	95	1.0	70 - 130	30	
1,2-Dichlorobenzene	ND	250	100	101	1.0	96	97	1.0	70 - 130	30	
1,2-Dichloroethane	ND	250	97	97	0.0	97	97	0.0	70 - 130	30	
1,2-Dichloropropane	ND	250	104	104	0.0	103	102	1.0	70 - 130	30	
1,3-Dichlorobenzene	ND	250	102	104	1.9	97	98	1.0	70 - 130	30	
1,4-Dichlorobenzene	ND	250	102	102	0.0	96	98	2.1	70 - 130	30	
1,4-dioxane	ND	5000	99	96	3.1	102	98	4.0	70 - 130	30	
2-Hexanone	ND	1300	101	101	0.0	97	96	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	1300	99	99	0.0	97	95	2.1	70 - 130	30	
Acetone	ND	500	69	65	6.0	69	66	4.4	70 - 130	30	I,m
Acrolein	ND	1300	85	85	0.0	80	79	1.3	70 - 130	30	
Acrylonitrile	ND	250	96	96	0.0	93	91	2.2	70 - 130	30	
Benzene	ND	250	104	105	1.0	102	102	0.0	70 - 130	30	
Bromochloromethane	ND	250	99	100	1.0	98	96	2.1	70 - 130	30	
Bromodichloromethane	ND	250	97	97	0.0	94	96	2.1	70 - 130	30	
Bromoform	ND	250	96	95	1.0	86	89	3.4	70 - 130	30	
Bromomethane	ND	250	72	76	5.4	66	74	11.4	70 - 130	30	m
Carbon Disulfide	ND	250	69	71	2.9	65	65	0.0	70 - 130	30	I,m
Carbon tetrachloride	ND	250	101	102	1.0	95	95	0.0	70 - 130	30	
Chlorobenzene	ND	250	102	103	1.0	99	100	1.0	70 - 130	30	
Chloroethane	ND	250	38	39	2.6	37	37	0.0	70 - 130	30	I,m
Chloroform	ND	250	100	100	0.0	97	98	1.0	70 - 130	30	
Chloromethane	ND	250	99	98	1.0	92	89	3.3	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	98	99	1.0	97	101	4.0	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	100	99	1.0	97	98	1.0	70 - 130	30	
Cyclohexane	ND	250	90	93	3.3	89	88	1.1	70 - 130	30	
Dibromochloromethane	ND	150	98	97	1.0	93	94	1.1	70 - 130	30	
Dichlorodifluoromethane	ND	250	84	85	1.2	80	79	1.3	70 - 130	30	
Ethylbenzene	ND	250	106	107	0.9	102	103	1.0	70 - 130	30	
Isopropylbenzene	ND	250	104	108	3.8	101	101	0.0	70 - 130	30	
m&p-Xylene	ND	250	105	105	0.0	101	102	1.0	70 - 130	30	
Methyl ethyl ketone	ND	250	99	97	2.0	88	89	1.1	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	90	90	0.0	90	88	2.2	70 - 130	30	
Methylacetate	ND	250	113	115	1.8	113	110	2.7	70 - 130	30	
Methylcyclohexane	ND	250	113	115	1.8	110	111	0.9	70 - 130	30	
Methylene chloride	ND	250	84	84	0.0	85	83	2.4	70 - 130	30	

QA/QC Data

SDG I.D.: GCF29955

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
o-Xylene	ND	250	105	105	0.0	101	102	1.0	70 - 130	30
Styrene	ND	250	104	104	0.0	100	100	0.0	70 - 130	30
tert-butyl alcohol	ND	5000	86	83	3.6	88	83	5.8	70 - 130	30
Tetrachloroethene	ND	250	102	104	1.9	98	100	2.0	70 - 130	30
Toluene	ND	250	104	105	1.0	102	102	0.0	70 - 130	30
trans-1,2-Dichloroethene	ND	250	100	102	2.0	100	97	3.0	70 - 130	30
trans-1,3-Dichloropropene	ND	250	99	99	0.0	96	96	0.0	70 - 130	30
Trichloroethene	ND	250	102	102	0.0	98	99	1.0	70 - 130	30
Trichlorofluoromethane	ND	250	28	28	0.0	27	27	0.0	70 - 130	30
Trichlorotrifluoroethane	ND	250	72	75	4.1	70	70	0.0	70 - 130	30
Vinyl chloride	ND	250	94	95	1.1	92	90	2.2	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	99	100	1.0	99	98	1.0	70 - 130	30
% Bromofluorobenzene	95	%	98	99	1.0	98	99	1.0	70 - 130	30
% Dibromofluoromethane	90	%	95	94	1.1	93	94	1.1	70 - 130	30
% Toluene-d8	96	%	98	97	1.0	98	98	0.0	70 - 130	30

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

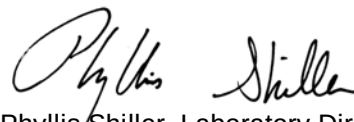
LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

March 04, 2020

Wednesday, March 04, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCF29955 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF29955	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	100	0.8	63	63	mg/Kg
CF29956	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	37.3	0.36	30	30	mg/Kg
CF29957	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	79.1	0.7	63	63	mg/Kg
CF29957	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	114	0.7	109	109	mg/Kg
CF29959	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	9.5	2.1	3.3	3.3	ug/Kg
CF29959	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	4.3	2.1	3.3	3.3	ug/Kg
CF29961	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	33.1	0.35	30	30	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 04, 2020

SDG I.D.: GCF29955

The samples in this delivery group were received at 1.2°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 1015 Atlantic Avenue, Brooklyn NY
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O. _____

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature Thomas Galle Date: 2-10-2020

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

SAMPLE #	Customer Sample Identification	Sample Matrix	Date		Time	
			Sampled	Sampled	Sampled	Sampled
09955	1981 (0-4)	S	2-10-2020		13:00	
09956	1981 (23-25)	S	2-10-2020		13:30	
09957	1982 (0-4)	S	2-10-2020		10:30	
09958	1982 (23-25)	S	2-10-2020		10:45	
09959	1986 (0-4)	S	2-10-2020		8:45	
09960	1986 (23-25)	S	2-10-2020		9:00	
09961	Soil Duplicate 2	S	2-10-2020			
09962	Trip blank HC					
09963	Trip blank LC					

Relinquished by:	Accepted by:

Th. Wells	W. J. Kuykendall

Comments, Special Requirements or Regulations:

Relinquished by:	Accepted by:	Dated:

Th. Wells	W	2
W	Kingsd. News	2

Comments, Special Requirements or Regulations:

Umrund:

☐	1 Day*
☐	2 Days*
☐	3 Days*
☒	5 Days
☐	10 Days
☐	Other

* SURCHARGE

3

□□□ □

1

100



Data Format

☐	Phoenix S
☒	Excel
☒	PDF
☐	GIS/Key
☒	EQulS
☐	N.I. Hazi

☒ NY EZ ED

Data Package

☐	NJ Reduced
☒	NY Enhanced
☐	Other

22

State where samples were collected:



Friday, March 06, 2020

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
SDG ID: GCF29346
Sample ID#s: CF29346 - CF29356

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1015 ATLANTIC AVENUE BROOKLYN
Laboratory Project: GCF29346



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

Methodology Summary

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

Laboratory Chronicle

The samples in this delivery group were received at 1.7°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CF29346	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29346	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29346	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29346	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29346	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29346	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29346	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29346	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29346	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29346	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29347	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29347	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29347	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29347	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29347	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29347	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29347	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29347	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29347	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29347	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29348	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29348	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29348	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29348	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29348	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29348	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29348	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29348	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29348	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29348	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29349	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Client MS/MSD	02/06/20	02/12/20	02/12/20		Y
CF29349	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29349	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29349	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29349	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29349	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29349	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29349	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29349	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29349	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29349	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29350	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Manganese	02/06/20	02/10/20	02/11/20	TH	Y
CF29350	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29350	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29350	Pesticides - Soil	02/06/20	02/10/20	02/12/20	CG	Y
CF29350	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29350	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y



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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29350	Semivolatiles	02/06/20	02/10/20	02/11/20	AW	Y
CF29350	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29350	Volatiles	02/06/20	02/12/20	02/12/20	JLI	Y
CF29350	Volatiles	02/06/20	02/12/20	02/12/20	JLI	Y
CF29350	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29351	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29351	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29351	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29351	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29351	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29351	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29351	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29351	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y



Environmental Laboratories, Inc.
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NY Analytical Services Protocol Format

March 06, 2020

SDG I.D.: GCF29346

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN

CF29351	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29352	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29352	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29352	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29352	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29352	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Semivolatiles	02/06/20	02/10/20	02/11/20	AW	Y
CF29352	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29352	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29352	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29352	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29353	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y



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CF29353	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Lead	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29353	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29353	Pesticides - Soil	02/06/20	02/10/20	02/12/20	CG	Y
CF29353	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29353	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29353	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29353	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29353	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29353	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	1,4-Dioxane	02/06/20	02/11/20	02/12/20	WB	Y
CF29354	Aluminum	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Antimony	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Arsenic	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Barium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Beryllium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Cadmium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Calcium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Chromium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Cobalt	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Copper	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Iron	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Lead	02/06/20	02/10/20	02/11/20	CPP	Y



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CF29354	Magnesium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Manganese	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Mercury	02/06/20	02/11/20	02/11/20	RS	Y
CF29354	Nickel	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Percent Solid	02/06/20	02/10/20	02/10/20	VT	Y
CF29354	Pesticides - Soil	02/06/20	02/10/20	02/11/20	CG	Y
CF29354	Polychlorinated Biphenyls	02/06/20	02/10/20	02/11/20	SC	Y
CF29354	Potassium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Selenium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Semivolatiles	02/06/20	02/10/20	02/11/20	WB	Y
CF29354	Silver	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Sodium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Thallium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Vanadium	02/06/20	02/10/20	02/11/20	CPP	Y
CF29354	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29354	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29354	Zinc	02/06/20	02/10/20	02/11/20	CPP	Y
CF29355	1,4-dioxane	02/06/20	02/11/20	02/11/20	JLI	Y
CF29355	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29355	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29356	1,4-dioxane	02/06/20	02/11/20	02/11/20	JLI	Y
CF29356	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y
CF29356	Volatiles	02/06/20	02/11/20	02/11/20	JLI	Y



Environmental Laboratories, Inc.
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SDG Comments

March 06, 2020

SDG I.D.: GCF29346

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
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Sample Id Cross Reference

March 06, 2020

SDG I.D.: GCF29346

Project ID: 1015 ATLANTIC AVENUE BROOKLYN

Client Id	Lab Id	Matrix
19B4 (0-4`)	CF29346	SOIL
19B4 (23-25`)	CF29347	SOIL
19B5 (0-4`)	CF29348	SOIL
19B5 (23-25`)	CF29349	SOIL
19B7 (0-4`)	CF29350	SOIL
19B7 (23-25`)	CF29351	SOIL
19B8 (0-4`)	CF29352	SOIL
19B8 (23-25`)	CF29353	SOIL
SOIL DUPLICATE	CF29354	SOIL
TRIP BLANK LOW	CF29355	SOIL
TRIP BLANK HIGH	CF29356	SOIL



Environmental Laboratories, Inc.
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Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

11:45
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29346

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B4 (0-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	5840	* 33	6.6	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	2.29	0.66	0.66	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	62.1	0.7	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.32	0.27	0.13	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	20700	* 33	31	mg/Kg	10	02/11/20	CPP	SW6010D
Cadmium	0.57	0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	5.46	0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	14.4	* 0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	20.2	0.7	0.33	mg/kg	1	02/11/20	CPP	SW6010D
Iron	15800	33	33	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	0.16	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	968	N, * 7	2.6	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	10600	* 33	33	mg/Kg	10	02/11/20	CPP	SW6010D
Manganese	263	3.3	3.3	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	292	N, * 7	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	13.9	0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	87.3	0.7	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.3	3.3	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	21.8	0.33	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	103	* 0.7	0.33	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	93			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	71	71	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	68			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	65			%	2	02/11/20	SC	30 - 150 %
% TCMX	68			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	66			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	54			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	66			%	2	02/11/20	CG	30 - 150 %
% TCMX	52			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	54			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	31	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	31	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	ND	31	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	6.3	2.5	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	1.7	J 6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	38	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	6.3	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	6.3	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	1.2	J 6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	6.3	6.3	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	6.3	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	89			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	102			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	25	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	6.3	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	25	0.63	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	130	25	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane	ND	71	71	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	47			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	65			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	50			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	150	J 250	120	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	250	92	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	830	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	880	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	680	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	570	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	690	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	850	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	140	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	250	94	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	1600	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	600	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	750	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	1700	250	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	61			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	61			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	67			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	67			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	71			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	72			%	1	02/11/20	WB	30 - 130 %

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B4 (0-4`)

Phoenix I.D.: CF29346

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

12:30
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29347

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B4 (23-25`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	5990	* 31	6.3	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	4.82	0.63	0.63	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	32.2	0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.51	0.25	0.13	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	1860	* 3.1	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Cadmium	0.36	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	7.66	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	24.3	* 0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	41.4	0.6	0.31	mg/kg	1	02/11/20	CPP	SW6010D
Iron	15700	31	31	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	2010	N, * 6	2.4	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	5260	* 31	31	mg/Kg	10	02/11/20	CPP	SW6010D
Manganese	393	3.1	3.1	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	653	N, * 6	2.7	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	38.2	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	35.8	0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.1	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	28.6	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	51.0	* 0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	95			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	75			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	69			%	2	02/11/20	SC	30 - 150 %
% TCMX	76			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	73			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	72			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	77			%	2	02/11/20	CG	30 - 150 %
% TCMX	57			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	61			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	30	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	7.9 JS	30	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	5.9	2.4	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	36	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	5.9	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	5.9	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	5.9	5.9	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	5.9	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	102			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	89			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	103			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	24	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	5.9	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	24	0.59	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	120	24	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane ND 69 69 ug/Kg 1 02/12/20 WB SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	32			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	47			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	54			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	250	91	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	90	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	97	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	250	90	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	98	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	60			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	62			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	59			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	57			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	60			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	66			%	1	02/11/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

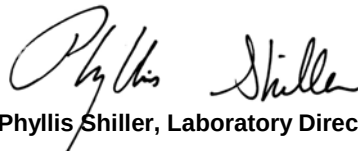
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

9:45
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29348

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B5 (0-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	9130	* 34	6.7	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	3.00	0.67	0.67	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	62.4	0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.51	0.27	0.13	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	23300	* 34	31	mg/Kg	10	02/11/20	CPP	SW6010D
Cadmium	0.57	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	7.38	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	27.7	* 0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	33.4	0.7	0.34	mg/kg	1	02/11/20	CPP	SW6010D
Iron	19400	34	34	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	0.10	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	2100	N, * 7	2.6	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	14200	* 34	34	mg/Kg	10	02/11/20	CPP	SW6010D
Manganese	418	3.4	3.4	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	500	N, * 7	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	30.6	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	88.3	0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	39.7	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	81.3	* 0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	92			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	82			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	78			%	2	02/11/20	SC	30 - 150 %
% TCMX	83			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	81			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	7.2	7.2	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	88			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	86			%	2	02/11/20	CG	30 - 150 %
% TCMX	71			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	73			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	ND	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	6.0	2.4	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	36	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	99			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	87			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	103			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	24	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	24	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	120	24	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane	ND	72	72	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	49			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	72			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	46			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	250	170	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	250	200	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	250	88	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	250	230	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	710	250	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	710	170	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	150	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	180	J 250	120	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	250	93	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	860	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	890	140	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	650	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	600	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	670	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	250	92	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	250	98	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	96	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	99	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	180	J 250	100	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	250	180	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	780	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	150	140	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	250	95	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	250	92	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	1900	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	670	250	120	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	250	100	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	790	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	250	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	1800	250	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	62			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	58			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	61			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	61			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	64			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	70			%	1	02/11/20	WB	30 - 130 %

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B5 (0-4`)

Phoenix I.D.: CF29348

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

10:45
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29349

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B5 (23-25`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	3620	* 36	7.3	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	1.33	0.73	0.73	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	27.3	0.7	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.25	J 0.29	0.15	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	1220	* 3.6	3.4	mg/Kg	1	02/11/20	CPP	SW6010D
Cadmium	0.40	0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	6.47	0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	12.6	* 0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	14.8	0.7	0.36	mg/kg	1	02/11/20	CPP	SW6010D
Iron	13800	36	36	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	1010	N, * 7	2.8	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	1640	* 3.6	3.6	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	249	3.6	3.6	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	147	N, * 7	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	19.9	0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	4.9	0.7	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.5	1.2	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	28.1	0.36	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	21.4	* 0.7	0.36	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	94			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	63			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	59			%	2	02/11/20	SC	30 - 150 %
% TCMX	61			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	59			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	57			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	68			%	2	02/11/20	CG	30 - 150 %
% TCMX	52			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	54			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	26	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	ND	26	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	32	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	5.3	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	5.3	5.3	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	88			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	104			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	21	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	5.3	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	21	0.53	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	21	ug/Kg	1	02/11/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/12/20	JLI	
Client MS/MSD	Completed					02/12/20		

1,4-Dioxane

1,4-dioxane	ND	70	70	ug/Kg	1	02/12/20	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	42			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	63			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	54			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	700	240	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1700	120	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
4-Nitrophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	60			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	57			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	56			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	62			%	1	02/11/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% Terphenyl-d14	64			%	1	02/11/20	WB	30 - 130 %
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

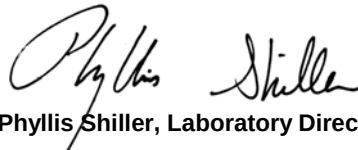
Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

13:30
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29350

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B7 (0-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	9410	* 35	7.0	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	6.61	0.70	0.70	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	381	0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.44	0.28	0.14	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	23200	* 35	32	mg/Kg	10	02/11/20	CPP	SW6010D
Cadmium	1.00	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	6.44	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	22.3	* 0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	47.2	0.7	0.35	mg/kg	1	02/11/20	CPP	SW6010D
Iron	16400	35	35	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	0.97	0.13	0.08	mg/Kg	10	02/11/20	RS	SW7471B
Potassium	1560	N, * 7	2.7	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	3130	* 3.5	3.5	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	1990	35	35	mg/Kg	100	02/11/20	TH	SW6010D
Sodium	483	N, * 7	3.0	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	20.5	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	499	0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	2.5	1.4	1.2	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	26.5	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	278	* 0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	89			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	72	72	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	90			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	76			%	2	02/11/20	SC	30 - 150 %
% TCMX	86			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	62	11	11	ug/Kg	10	02/12/20	CG	SW8081B
4,4' -DDE	ND	7.2	7.2	ug/Kg	10	02/12/20	CG	SW8081B
4,4' -DDT	59	11	11	ug/Kg	10	02/12/20	CG	SW8081B
a-BHC	ND	7.2	7.2	ug/Kg	10	02/12/20	CG	SW8081B
a-Chlordane	ND	18	18	ug/Kg	10	02/12/20	CG	SW8081B
Aldrin	ND	7.2	7.2	ug/Kg	10	02/12/20	CG	SW8081B
b-BHC	ND	7.2	7.2	ug/Kg	10	02/12/20	CG	SW8081B
Chlordane	ND	180	180	ug/Kg	10	02/12/20	CG	SW8081B
d-BHC	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Dieldrin	28	18	18	ug/Kg	10	02/12/20	CG	SW8081B
Endosulfan I	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Endosulfan II	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Endosulfan sulfate	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Endrin	ND	18	18	ug/Kg	10	02/12/20	CG	SW8081B
Endrin aldehyde	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Endrin ketone	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
g-BHC	ND	7.2	7.2	ug/Kg	10	02/12/20	CG	SW8081B
g-Chlordane	ND	730	730	ug/Kg	10	02/12/20	CG	SW8081B
Heptachlor	ND	36	36	ug/Kg	10	02/12/20	CG	SW8081B
Heptachlor epoxide	ND	38	38	ug/Kg	10	02/12/20	CG	SW8081B
Methoxychlor	ND	180	180	ug/Kg	10	02/12/20	CG	SW8081B
Toxaphene	ND	720	720	ug/Kg	10	02/12/20	CG	SW8081B

QA/QC Surrogates

% DCBP	121			%	10	02/12/20	CG	30 - 150 %
% DCBP (Confirmation)	79			%	10	02/12/20	CG	30 - 150 %
% TCMX	123			%	10	02/12/20	CG	30 - 150 %
% TCMX (Confirmation)	104			%	10	02/12/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
2-Hexanone	ND	29	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
Acetone	12 JS	29	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
Benzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Bromochloromethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Bromodichloromethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromoform	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Bromomethane	ND	5.7	2.3	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon Disulfide	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Carbon tetrachloride	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Chlorobenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Chloroform	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Chloromethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Cyclohexane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dibromochloromethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Ethylbenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Isopropylbenzene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl ethyl ketone	ND	34	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylacetate	ND	5.7	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
Methylcyclohexane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Methylene chloride	ND	5.7	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
o-Xylene	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Styrene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Tetrachloroethene	3.6 J	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Toluene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Total Xylenes	ND	5.7	5.7	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Trichloroethene	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	02/12/20	JLI	70 - 130 %
% Bromofluorobenzene	98			%	1	02/12/20	JLI	70 - 130 %
% Dibromofluoromethane	91			%	1	02/12/20	JLI	70 - 130 %
% Toluene-d8	104			%	1	02/12/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	23	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrolein	ND	5.7	1.1	ug/Kg	1	02/12/20	JLI	SW8260C
Acrylonitrile	ND	23	0.57	ug/Kg	1	02/12/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	23	ug/Kg	1	02/12/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/13/20 JLI

1,4-Dioxane

1,4-dioxane	ND	150	150	ug/Kg	10	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	02/12/20	WB	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	620	260	110	ug/Kg	1	02/11/20	AW	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	02/11/20	AW	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dimethylphenol	380	260	92	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	02/11/20	AW	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
2-Methylnaphthalene	3500	260	110	ug/Kg	1	02/11/20	AW	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	02/11/20	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	670	260	150	ug/Kg	1	02/11/20	AW	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	02/11/20	AW	SW8270D
3-Nitroaniline	ND	740	260	ug/Kg	1	02/11/20	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
4-Chloroaniline	ND	740	170	ug/Kg	1	02/11/20	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
4-Nitroaniline	ND	1900	120	ug/Kg	1	02/11/20	AW	SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	5700	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Acenaphthylene	4000	150	100	ug/Kg	1	02/11/20	AW	SW8270D
Acetophenone	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Anthracene	14000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Atrazine	ND	260	97	ug/Kg	1	02/11/20	AW	SW8270D
Benz(a)anthracene	30000	D 2600	1300	ug/Kg	10	02/11/20	AW	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Benzo(a)pyrene	29000	D 1500	1200	ug/Kg	10	02/11/20	AW	SW8270D
Benzo(b)fluoranthene	20000	D 2600	1300	ug/Kg	10	02/11/20	AW	SW8270D
Benzo(ghi)perylene	14000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Benzo(k)fluoranthene	19000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
Carbazole	5300	260	190	ug/Kg	1	02/11/20	AW	SW8270D
Chrysene	25000	D 2600	1300	ug/Kg	10	02/11/20	AW	SW8270D
Dibenz(a,h)anthracene	4100	150	120	ug/Kg	1	02/11/20	AW	SW8270D
Dibenzofuran	5000	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Di-n-butylphthalate	ND	260	99	ug/Kg	1	02/11/20	AW	SW8270D
Di-n-octylphthalate	ND	260	96	ug/Kg	1	02/11/20	AW	SW8270D
Fluoranthene	64000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Fluorene	6900	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	02/11/20	AW	SW8270D
Indeno(1,2,3-cd)pyrene	17000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Isophorone	ND	150	100	ug/Kg	1	02/11/20	AW	SW8270D
Naphthalene	9800	D 2600	1100	ug/Kg	10	02/11/20	AW	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	02/11/20	AW	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	02/11/20	AW	SW8270D
Phenanthrene	58000	D 1500	1100	ug/Kg	10	02/11/20	AW	SW8270D
Phenol	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Pyrene	59000	D 2600	1300	ug/Kg	10	02/11/20	AW	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	74			%	1	02/11/20	AW	30 - 130 %
% 2-Fluorobiphenyl	59			%	1	02/11/20	AW	30 - 130 %
% 2-Fluorophenol	66			%	1	02/11/20	AW	30 - 130 %
% Nitrobenzene-d5	70			%	1	02/11/20	AW	30 - 130 %
% Phenol-d5	72			%	1	02/11/20	AW	30 - 130 %
% Terphenyl-d14	99			%	1	02/11/20	AW	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Semi-Volatile Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, a dilution was required resulting in an elevated RL for the semivolatile analysis.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

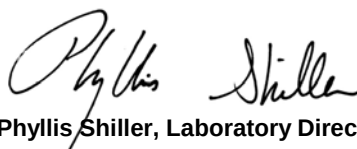
Pesticide Comment:

Due to a matrix interference and/or the presence of a large amount of non-target material in the sample, an elevated RL was reported for the affected compounds.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

14:10
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29351

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B7 (23-25')

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	4570	* 31	6.3	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	1.56	0.63	0.63	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	33.3	0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.28	0.25	0.13	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	1620	* 3.1	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Cadmium	0.41	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	5.49	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	12.9	* 0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	18.9	0.6	0.31	mg/kg	1	02/11/20	CPP	SW6010D
Iron	15100	31	31	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	992	N, * 6	2.4	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	2380	* 3.1	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	285	3.1	3.1	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	207	N, * 6	2.7	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	22.1	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	4.0	0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.1	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	24.2	0.31	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	44.0	* 0.6	0.31	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	96			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	70			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	67			%	2	02/11/20	SC	30 - 150 %
% TCMX	71			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	73			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	73			%	2	02/11/20	CG	30 - 150 %
% TCMX	58			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	60			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	33	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	33	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	ND	33	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	6.5	2.6	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	39	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	13	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	6.5	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	6.5	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	6.5	6.5	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	6.5	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	86			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	102			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	26	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	6.5	1.3	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	26	0.65	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	130	26	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane	ND	68	68	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	45			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	65			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	58			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	84	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	680	240	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	680	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1700	110	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	240	150	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	240	88	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	88	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	92	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	240	88	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	67			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	65			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	64			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	61			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	66			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	70			%	1	02/11/20	WB	30 - 130 %

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B7 (23-25`)

Phoenix I.D.: CF29351

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

15:10
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29352

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B8 (0-4`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	7350	* 35	7.0	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	3.85	0.70	0.70	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	138	0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.34	0.28	0.14	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	22400	* 35	32	mg/Kg	10	02/11/20	CPP	SW6010D
Cadmium	0.92	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	5.64	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	24.7	* 0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	36.1	0.7	0.35	mg/kg	1	02/11/20	CPP	SW6010D
Iron	14500	35	35	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	2.15	0.14	0.09	mg/Kg	10	02/11/20	RS	SW7471B
Potassium	1340	N, * 7	2.7	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	3170	* 3.5	3.5	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	262	3.5	3.5	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	335	N, * 7	3.0	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	21.5	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	268	0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.5	3.5	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	23.0	0.35	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	203	* 0.7	0.35	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	91			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	73	73	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	94			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	88			%	2	02/11/20	SC	30 - 150 %
% TCMX	84			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	75			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.6	3.6	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	7.3	7.3	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	36	36	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	150	150	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	82			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	95			%	2	02/11/20	CG	30 - 150 %
% TCMX	63			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	72			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	29	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	21	JS 29	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	5.8	2.3	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	35	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	5.8	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	5.8	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	1.2	J 5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	5.8	5.8	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	5.8	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	95			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	87			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	101			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	23	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	5.8	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	23	0.58	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	120	23	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane	ND	73	73	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	53			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	82			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	49			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	02/11/20	AW	SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
2,4-Dinitrotoluene	ND	150	140	ug/Kg	1	02/11/20	AW	SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
2-Methylnaphthalene	290	260	110	ug/Kg	1	02/11/20	AW	SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	02/11/20	AW	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	140	ug/Kg	1	02/11/20	AW	SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	02/11/20	AW	SW8270D
3-Nitroaniline	ND	730	260	ug/Kg	1	02/11/20	AW	SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
4-Chloroaniline	ND	730	170	ug/Kg	1	02/11/20	AW	SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	02/11/20	AW	SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	02/11/20	AW	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	870	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Acenaphthylene	1300	150	100	ug/Kg	1	02/11/20	AW	SW8270D
Acetophenone	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Anthracene	2600	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Atrazine	ND	260	95	ug/Kg	1	02/11/20	AW	SW8270D
Benz(a)anthracene	6900	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Benzo(a)pyrene	6900	150	120	ug/Kg	1	02/11/20	AW	SW8270D
Benzo(b)fluoranthene	5400	260	130	ug/Kg	1	02/11/20	AW	SW8270D
Benzo(ghi)perylene	3600	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Benzo(k)fluoranthene	4500	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Benzyl butyl phthalate	ND	260	94	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroethyl)ether	ND	150	99	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
Bis(2-ethylhexyl)phthalate	460	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Caprolactam	ND	260	260	ug/Kg	1	02/11/20	AW	SW8270D
Carbazole	1000	260	180	ug/Kg	1	02/11/20	AW	SW8270D
Chrysene	6700	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Dibenz(a,h)anthracene	980	150	120	ug/Kg	1	02/11/20	AW	SW8270D
Dibenzofuran	530	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Di-n-butylphthalate	ND	260	97	ug/Kg	1	02/11/20	AW	SW8270D
Di-n-octylphthalate	ND	260	94	ug/Kg	1	02/11/20	AW	SW8270D
Fluoranthene	19000	D 2600	1200	ug/Kg	10	02/11/20	AW	SW8270D
Fluorene	900	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	02/11/20	AW	SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	02/11/20	AW	SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	02/11/20	AW	SW8270D
Indeno(1,2,3-cd)pyrene	4300	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Isophorone	ND	730	730	ug/Kg	1	02/11/20	AW	SW8270D
Naphthalene	240	J 260	110	ug/Kg	1	02/11/20	AW	SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	02/11/20	AW	SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	02/11/20	AW	SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	02/11/20	AW	SW8270D
Phenanthrene	14000	D 1500	1000	ug/Kg	10	02/11/20	AW	SW8270D
Phenol	ND	260	120	ug/Kg	1	02/11/20	AW	SW8270D
Pyrene	18000	D 2600	1300	ug/Kg	10	02/11/20	AW	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	56			%	1	02/11/20	AW	30 - 130 %
% 2-Fluorobiphenyl	66			%	1	02/11/20	AW	30 - 130 %
% 2-Fluorophenol	57			%	1	02/11/20	AW	30 - 130 %
% Nitrobenzene-d5	71			%	1	02/11/20	AW	30 - 130 %
% Phenol-d5	74			%	1	02/11/20	AW	30 - 130 %
% Terphenyl-d14	121			%	1	02/11/20	AW	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2,4,6-Tribromophenol (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% 2-Fluorobiphenyl (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% 2-Fluorophenol (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Nitrobenzene-d5 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Phenol-d5 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
% Terphenyl-d14 (10x)	Diluted Out			%	10	02/11/20	AW	30 - 130 %
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20
02/10/20

Time

16:00
15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29353

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: 19B8 (23-25`)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	3080	* 37	7.3	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	1.69	0.73	0.73	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	24.6	0.7	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.22	J 0.29	0.15	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	1580	* 3.7	3.4	mg/Kg	1	02/11/20	CPP	SW6010D
Cadmium	0.46	0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	7.45	0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	11.2	* 0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	16.7	0.7	0.37	mg/kg	1	02/11/20	CPP	SW6010D
Iron	15700	37	37	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	610	N, * 7	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	1490	* 3.7	3.7	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	317	3.7	3.7	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	109	N, * 7	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	21.0	0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	5.8	0.7	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.5	1.2	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	28.4	0.37	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	20.9	* 0.7	0.37	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	95			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	69	69	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	65			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	60			%	2	02/11/20	SC	30 - 150 %
% TCMX	70			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	68			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	02/12/20	CG	SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	02/12/20	CG	SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	02/12/20	CG	SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	02/12/20	CG	SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	02/12/20	CG	SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Chlordane	ND	35	35	ug/Kg	2	02/12/20	CG	SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	02/12/20	CG	SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/12/20	CG	SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	02/12/20	CG	SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	02/12/20	CG	SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	02/12/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/12/20	CG	SW8081B

QA/QC Surrogates

% DCBP	74			%	2	02/12/20	CG	30 - 150 %
% DCBP (Confirmation)	85			%	2	02/12/20	CG	30 - 150 %
% TCMX	60			%	2	02/12/20	CG	30 - 150 %
% TCMX (Confirmation)	62			%	2	02/12/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	15 JS	30	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	6.0	2.4	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	36	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	6.0	6.0	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	6.0	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	102			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	101			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	87			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	103			%	1	02/11/20	JLI	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	24	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	6.0	1.2	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	24	0.60	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	120	24	ug/Kg	1	02/11/20	JLI	SW8260C

Volatile Library Search Top 10 Completed 02/12/20 JLI

1,4-Dioxane

1,4-dioxane	ND	70	70	ug/Kg	1	02/12/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	39			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	50			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	53			%	1	02/12/20	WB	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	86	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	690	240	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	690	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1700	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	89	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	95	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	93	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	240	92	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	240	89	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	73			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	66			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	64			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	70			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	80			%	1	02/11/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

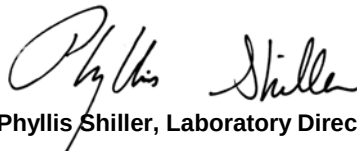
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20

Time

15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29354

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: SOIL DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Aluminum	3470	* 34	6.8	mg/Kg	10	02/11/20	CPP	SW6010D
Arsenic	1.14	0.68	0.68	mg/Kg	1	02/11/20	CPP	SW6010D
Barium	37.2	0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Beryllium	0.25	J 0.27	0.14	mg/Kg	1	02/11/20	CPP	SW6010D
Calcium	1520	* 3.4	3.1	mg/Kg	1	02/11/20	CPP	SW6010D
Cadmium	0.44	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Cobalt	5.99	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Chromium	9.97	* 0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Copper	16.3	0.7	0.34	mg/kg	1	02/11/20	CPP	SW6010D
Iron	12800	34	34	mg/Kg	10	02/11/20	CPP	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	02/11/20	RS	SW7471B
Potassium	755	N, * 7	2.6	mg/Kg	1	02/11/20	CPP	SW6010D
Magnesium	1860	* 3.4	3.4	mg/Kg	1	02/11/20	CPP	SW6010D
Manganese	274	3.4	3.4	mg/Kg	10	02/11/20	CPP	SW6010D
Sodium	184	N, * 7	2.9	mg/Kg	1	02/11/20	CPP	SW6010D
Nickel	21.2	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Lead	4.8	0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Antimony	ND	3.4	3.4	mg/Kg	1	02/11/20	CPP	SW6010D
Selenium	ND	1.4	1.2	mg/Kg	1	02/11/20	CPP	SW6010D
Thallium	ND	1.4	1.4	mg/Kg	1	02/11/20	CPP	SW6010D
Vanadium	40.0	0.34	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Zinc	56.1	* 0.7	0.34	mg/Kg	1	02/11/20	CPP	SW6010D
Percent Solid	97			%		02/10/20	VT	SW846-%Solid
Extraction for SVOA SIM	Completed					02/11/20	VV/AL	SW3545A
Soil Extraction for PCB	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for Pesticides	Completed					02/10/20	MM/L	SW3545A
Soil Extraction for SVOA	Completed					02/10/20	KK/AL	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Mercury Digestion	Completed					02/11/20	LS/Q/LS	SW7471B
Total Metals Digest	Completed					02/10/20	B/AG/BF	SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1221	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1232	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1242	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1248	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1254	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1260	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1262	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A
PCB-1268	ND	68	68	ug/Kg	2	02/11/20	SC	SW8082A

QA/QC Surrogates

% DCBP	88			%	2	02/11/20	SC	30 - 150 %
% DCBP (Confirmation)	78			%	2	02/11/20	SC	30 - 150 %
% TCMX	83			%	2	02/11/20	SC	30 - 150 %
% TCMX (Confirmation)	81			%	2	02/11/20	SC	30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDE	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
4,4' -DDT	ND	2.0	2.0	ug/Kg	2	02/11/20	CG	SW8081B
a-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
a-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Aldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
b-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Chlordane	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
d-BHC	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Dieldrin	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan I	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan II	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endosulfan sulfate	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin aldehyde	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Endrin ketone	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	02/11/20	CG	SW8081B
g-Chlordane	ND	3.4	3.4	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Heptachlor epoxide	ND	6.8	6.8	ug/Kg	2	02/11/20	CG	SW8081B
Methoxychlor	ND	34	34	ug/Kg	2	02/11/20	CG	SW8081B
Toxaphene	ND	140	140	ug/Kg	2	02/11/20	CG	SW8081B

QA/QC Surrogates

% DCBP	80			%	2	02/11/20	CG	30 - 150 %
% DCBP (Confirmation)	94			%	2	02/11/20	CG	30 - 150 %
% TCMX	70			%	2	02/11/20	CG	30 - 150 %
% TCMX (Confirmation)	72			%	2	02/11/20	CG	30 - 150 %

Volatiles

1,1,1-Trichloroethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,1,2,2-Tetrachloroethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	29	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	29	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	6.0	JS 29	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	5.7	2.3	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon tetrachloride	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	34	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	5.7	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	5.7	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	5.7	5.7	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Trichlorotrifluoroethane	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	5.7	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	101			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	88			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	103			%	1	02/11/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	23	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	5.7	1.1	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	23	0.57	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	110	23	ug/Kg	1	02/11/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/12/20	JLI	
<u>1,4-Dioxane</u>								
1,4-dioxane	ND	68	68	ug/Kg	1	02/12/20	WB	SW8270D (SIM)
<u>QA/QC Surrogates</u>								
% 2-Fluorobiphenyl	44			%	1	02/12/20	WB	30 - 130 %
% Nitrobenzene-d5	64			%	1	02/12/20	WB	30 - 130 %
% Terphenyl-d14	56			%	1	02/12/20	WB	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	02/11/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dimethylphenol	ND	240	84	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2,4-Dinitrotoluene	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
2-Chloronaphthalene	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
2-Chlorophenol	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
2-Nitrophenol	ND	240	210	ug/Kg	1	02/11/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	02/11/20	WB	SW8270D
3-Nitroaniline	ND	680	240	ug/Kg	1	02/11/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
4-Chloroaniline	ND	680	160	ug/Kg	1	02/11/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitroaniline	ND	1700	110	ug/Kg	1	02/11/20	WB	SW8270D
4-Nitrophenol	ND	240	150	ug/Kg	1	02/11/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Acenaphthene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Acenaphthylene	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Acetophenone	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Atrazine	ND	240	88	ug/Kg	1	02/11/20	WB	SW8270D
Benz(a)anthracene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(ghi)perylene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzo(k)fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Benzyl butyl phthalate	ND	240	87	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	240	94	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroethyl)ether	ND	140	92	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	240	94	ug/Kg	1	02/11/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
Caprolactam	ND	240	240	ug/Kg	1	02/11/20	WB	SW8270D
Carbazole	ND	240	170	ug/Kg	1	02/11/20	WB	SW8270D
Chrysene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
Dibenzofuran	ND	240	99	ug/Kg	1	02/11/20	WB	SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-butylphthalate	ND	240	90	ug/Kg	1	02/11/20	WB	SW8270D
Di-n-octylphthalate	ND	240	87	ug/Kg	1	02/11/20	WB	SW8270D
Fluoranthene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Fluorene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobenzene	ND	140	99	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorobutadiene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	240	100	ug/Kg	1	02/11/20	WB	SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	02/11/20	WB	SW8270D
Indeno(1,2,3-cd)pyrene	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Isophorone	ND	140	95	ug/Kg	1	02/11/20	WB	SW8270D
Naphthalene	ND	240	98	ug/Kg	1	02/11/20	WB	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodimethylamine	ND	240	96	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	02/11/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	02/11/20	WB	SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	02/11/20	WB	SW8270D
Phenanthrene	ND	140	97	ug/Kg	1	02/11/20	WB	SW8270D
Phenol	ND	240	110	ug/Kg	1	02/11/20	WB	SW8270D
Pyrene	ND	240	120	ug/Kg	1	02/11/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	76			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorobiphenyl	71			%	1	02/11/20	WB	30 - 130 %
% 2-Fluorophenol	71			%	1	02/11/20	WB	30 - 130 %
% Nitrobenzene-d5	68			%	1	02/11/20	WB	30 - 130 %
% Phenol-d5	73			%	1	02/11/20	WB	30 - 130 %
% Terphenyl-d14	84			%	1	02/11/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
SVOA Library Search Top 15	Completed					02/11/20	MR	

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

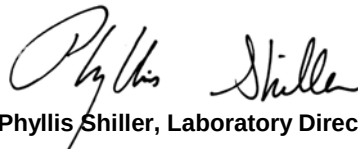
Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20

Time

15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29355

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3800	2000	ug/kg	50	02/11/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	02/11/20	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	02/11/20	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C

Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Chloroethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Chloroform	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Chloromethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Cyclohexane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	1500	250	ug/Kg	50	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	02/11/20	JLI	SW8260C
Methylacetate	ND	250	250	ug/Kg	50	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	02/11/20	JLI	SW8260C
o-Xylene	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Styrene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Toluene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Total Xylenes	ND	250	250	ug/Kg	50	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (50x)	102			%	50	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene (50x)	102			%	50	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane (50x)	85			%	50	02/11/20	JLI	70 - 130 %
% Toluene-d8 (50x)	103			%	50	02/11/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	02/11/20	JLI	SW8260C
Acrolein	ND	250	50	ug/Kg	50	02/11/20	JLI	SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	02/11/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/12/20	JLI	

Client ID: TRIP BLANK LOW

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

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Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 06, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: CP
Analyzed by: see "By" below

Date

02/06/20

Time

15:46

Laboratory Data

SDG ID: GCF29346
Phoenix ID: CF29356

Project ID: 1015 ATLANTIC AVENUE BROOKLYN
Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	02/11/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
Acetone	ND	25	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	02/11/20	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Cyclohexane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl ethyl ketone	ND	30	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methylacetate	ND	5.0	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methylcyclohexane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Toluene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Total Xylenes	ND	5.0	5.0	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	100			%	1	02/11/20	JLI	70 - 130 %
% Bromofluorobenzene	100			%	1	02/11/20	JLI	70 - 130 %
% Dibromofluoromethane	86			%	1	02/11/20	JLI	70 - 130 %
% Toluene-d8	104			%	1	02/11/20	JLI	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Acrolein	ND	5.0	1.0	ug/Kg	1	02/11/20	JLI	SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	02/11/20	JLI	SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	02/11/20	JLI	SW8260C
Volatile Library Search Top 10	Completed					02/12/20	JLI	

Client ID: TRIP BLANK HIGH

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

March 06, 2020

Reviewed and Released by: Christina White, Project Manager

19B4 (0-4`)

19B5 (0-4`)

CLIENT ID

19B5 (23-25`)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF29346

Matrix:(soil/water) SOIL

Lab Sample ID: CF29349

Sample wt/vol: 5.05 (g/mL) g

Lab File ID: 0211_20.D

Level: (low/med) Low

Date Received: 02/10/20

% Moisture: not dec.	6

Date Analyzed: 02/11/20

GC Column: RTX-VMS ID: 0.18 mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 0 CONCENTRATION UNITS: (ug/L or ug/KG) ug/Kg

[illegible]

FORM I VOA-TIC

CLIENT ID

SOIL DUPLICATE

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29354

Lab File ID: 0211_24.D

Date Received: 02/10/20

Date Analyzed: 02/11/20

Dilution Factor: 1

Soil Aliquot Vol (uL): 5000

CONCENTRATION UNITS:

(ug/L or ug/KG)

ug/Kg

CAS NUMBER

COMPOUND NAME

RT

EST. CONC.

Q

CLIENT ID

19B4 (0-4`)

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29346

Lab File ID: 0210_44.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

CLIENT ID

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29348

Lab File ID: 0210_45.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

CLIENT ID

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29349

Lab File ID: 0210_37.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29350

Lab File ID: 0210_46.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

CLIENT ID

19B8 (0-4`)

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29352

Lab File ID: 0210_47.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

CLIENT ID

SOIL DUPLICATE

Client: EBC

SAS No.:

SDG No.: GCF29346

Lab Sample ID: CF29354

Lab File ID: 0210_41.D

Date Received: 02/10/20

Date Extracted: 02/11/20

Date Analyzed: 2/11/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.



Environmental Laboratories, Inc.
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QA/QC Report

March 06, 2020

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 518035 (mg/kg), QC Sample No: CF29349 2X (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)													
Mercury - Soil	BRL	0.03	<0.03	<0.03	NC	85.0	90.6	6.4	92.5	94.9	2.6	75 - 125	30
QA/QC Batch 517997 (mg/kg), QC Sample No: CF29349 (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)													
<u>ICP Metals - Soil</u>													
Aluminum	BRL	5.0	3620 *	6160	51.9	102	103	1.0	NC	NC	NC	80 - 120	30 r
Antimony	BRL	3.3	<3.6	<3.5	NC	96.8	94.9	2.0	93.4	93.7	0.3	70 - 130	30
Arsenic	BRL	0.67	1.33	1.50	NC	106	106	0.0	90.5	91.4	1.0	80 - 120	30
Barium	BRL	0.33	27.3	35.1	25.0	103	103	0.0	100	100	0.0	80 - 120	30
Beryllium	BRL	0.27	0.25 J	0.36	NC	97.7	98.2	0.5	95.0	94.1	1.0	80 - 120	30
Cadmium	BRL	0.33	0.40	0.41	NC	90.2	92.1	2.1	90.6	90.5	0.1	80 - 120	30
Calcium	BRL	5.0	1220 *	2910	81.8	95.1	95.4	0.3	NC	NC	NC	80 - 120	30 r
Chromium	BRL	0.33	12.6 *	18.1	35.8	103	104	1.0	94.8	93.3	1.6	80 - 120	30 r
Cobalt	BRL	0.33	6.47	7.62	16.3	96.5	97.5	1.0	92.4	91.4	1.1	80 - 120	30
Copper	BRL	0.67	14.8	18.0	19.5	102	103	1.0	95.9	94.5	1.5	80 - 120	30
Iron	BRL	5.0	13800	17500	23.6	104	108	3.8	NC	NC	NC	80 - 120	30
Lead	BRL	0.33	4.9	6.51	28.2	101	100	1.0	90.0	90.1	0.1	80 - 120	30
Magnesium	BRL	5.0	1640 *	3960	82.9	101	99.8	1.2	NC	NC	NC	80 - 120	30 r
Manganese	BRL	0.33	249	328	27.4	99.6	99.1	0.5	113	>130	NC	80 - 120	30 m
Nickel	BRL	0.33	19.9	25.0	22.7	94.7	97.2	2.6	91.2	90.5	0.8	80 - 120	30
Potassium	BRL	5.0	1010 N, *	1930	62.6	116	115	0.9	>130	>130	NC	80 - 120	30 m,r
Selenium	BRL	1.3	<1.5	<1.4	NC	103	103	0.0	90.3	89.9	0.4	80 - 120	30
Silver	BRL	0.33	<0.36	<0.35	NC	101	102	1.0	93.5	92.8	0.8	70 - 130	30
Sodium	BRL	5.0	147 N, *	224	41.5	103	99.5	3.5	>130	>130	NC	80 - 120	30 m,r
Thallium	BRL	3.0	<1.5	<3.1	NC	99.5	103	3.5	91.8	92.1	0.3	80 - 120	30
Vanadium	BRL	0.33	28.1	32.8	15.4	109	110	0.9	93.2	93.8	0.6	80 - 120	30
Zinc	BRL	0.67	21.4 *	29.6	32.2	101	101	0.0	93.3	93.7	0.4	80 - 120	30 r

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.



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QA/QC Report

March 06, 2020

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits

QA/QC Batch 517989 (ug/Kg), QC Sample No: CF29349 2X (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)

Polychlorinated Biphenyls - Soil

PCB-1016	ND	33	89	81	9.4	77	80	3.8	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	90	79	13.0	80	83	3.7	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	87	%	93	84	10.2	79	83	4.9	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	87	%	93	91	2.2	85	91	6.8	30 - 150	30
% TCMX (Surrogate Rec)	85	%	89	89	0.0	76	79	3.9	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	82	%	88	90	2.2	76	80	5.1	30 - 150	30

QA/QC Batch 517988 (ug/Kg), QC Sample No: CF29349 2X (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)

Pesticides - Soil

4,4' -DDD	ND	1.7	91	92	1.1	51	71	32.8	40 - 140	30	r
4,4' -DDE	ND	1.7	85	84	1.2	47	65	32.1	40 - 140	30	r
4,4' -DDT	ND	1.7	85	84	1.2	48	67	33.0	40 - 140	30	r
a-BHC	ND	1.0	80	77	3.8	45	59	26.9	40 - 140	30	
a-Chlordane	ND	3.3	79	77	2.6	47	60	24.3	40 - 140	30	
Aldrin	ND	1.0	72	69	4.3	41	54	27.4	40 - 140	30	
b-BHC	ND	1.0	103	97	6.0	59	78	27.7	40 - 140	30	
Chlordane	ND	33	81	79	2.5	48	63	27.0	40 - 140	30	
d-BHC	ND	3.3	86	85	1.2	50	67	29.1	40 - 140	30	
Dieldrin	ND	1.0	79	77	2.6	45	61	30.2	40 - 140	30	
Endosulfan I	ND	3.3	79	74	6.5	46	60	26.4	40 - 140	30	
Endosulfan II	ND	3.3	84	84	0.0	49	67	31.0	40 - 140	30	r
Endosulfan sulfate	ND	3.3	106	103	2.9	62	84	30.1	40 - 140	30	
Endrin	ND	3.3	81	76	6.4	46	62	29.6	40 - 140	30	
Endrin aldehyde	ND	3.3	88	84	4.7	44	66	40.0	40 - 140	30	r
Endrin ketone	ND	3.3	87	86	1.2	50	68	30.5	40 - 140	30	
g-BHC	ND	1.0	81	77	5.1	45	61	30.2	40 - 140	30	
g-Chlordane	ND	3.3	81	79	2.5	48	63	27.0	40 - 140	30	
Heptachlor	ND	3.3	77	73	5.3	44	59	29.1	40 - 140	30	
Heptachlor epoxide	ND	3.3	78	76	2.6	47	60	24.3	40 - 140	30	
Methoxychlor	ND	3.3	95	94	1.1	57	97	51.9	40 - 140	30	r
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30	
% DCBP	76	%	84	84	0.0	49	66	29.6	30 - 150	30	
% DCBP (Confirmation)	84	%	97	93	4.2	60	78	26.1	30 - 150	30	

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% TCMX	63	%	80	76	5.1	47	59	22.6	30 - 150	30
% TCMX (Confirmation)	66	%	85	77	9.9	49	61	21.8	30 - 150	30
QA/QC Batch 517992 (ug/kg), QC Sample No: CF29349 (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)										
<u>Semivolatiles - Soil</u>										
1,1-Biphenyl	ND	230	52	46	12.2	44	46	4.4	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	230	65	53	20.3	52	58	10.9	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	230	74	63	16.1	57	64	11.6	30 - 130	30
2,4,5-Trichlorophenol	ND	230	67	59	12.7	54	58	7.1	30 - 130	30
2,4,6-Trichlorophenol	ND	130	66	59	11.2	52	58	10.9	30 - 130	30
2,4-Dichlorophenol	ND	130	72	61	16.5	56	63	11.8	30 - 130	30
2,4-Dimethylphenol	ND	230	69	60	14.0	43	47	8.9	30 - 130	30
2,4-Dinitrophenol	ND	230	53	30	55.4	38	35	8.2	30 - 130	30 r
2,4-Dinitrotoluene	ND	130	68	59	14.2	55	60	8.7	30 - 130	30
2,6-Dinitrotoluene	ND	130	66	56	16.4	54	57	5.4	30 - 130	30
2-Chloronaphthalene	ND	230	55	49	11.5	47	49	4.2	30 - 130	30
2-Chlorophenol	ND	230	70	49	35.3	51	56	9.3	30 - 130	30 r
2-Methylnaphthalene	ND	230	62	51	19.5	49	55	11.5	30 - 130	30
2-Methylphenol (o-cresol)	ND	230	69	47	37.9	50	50	0.0	30 - 130	30 r
2-Nitroaniline	ND	330	69	63	9.1	61	71	15.2	30 - 130	30
2-Nitrophenol	ND	230	63	54	15.4	54	57	5.4	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	79	54	37.6	51	55	7.5	30 - 130	30 r
3,3'-Dichlorobenzidine	ND	130	48	53	9.9	47	52	10.1	30 - 130	30
3-Nitroaniline	ND	330	66	60	9.5	63	70	10.5	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	230	68	46	38.6	51	52	1.9	30 - 130	30 r
4-Bromophenyl phenyl ether	ND	230	62	58	6.7	54	56	3.6	30 - 130	30
4-Chloro-3-methylphenol	ND	230	73	61	17.9	56	63	11.8	30 - 130	30
4-Chloroaniline	ND	230	44	41	7.1	51	57	11.1	30 - 130	30
4-Chlorophenyl phenyl ether	ND	230	63	54	15.4	50	57	13.1	30 - 130	30
4-Nitroaniline	ND	230	61	53	14.0	50	54	7.7	30 - 130	30
4-Nitrophenol	ND	230	65	56	14.9	50	56	11.3	30 - 130	30
Acenaphthene	ND	230	59	51	14.5	48	52	8.0	30 - 130	30
Acenaphthylene	ND	130	56	50	11.3	46	50	8.3	30 - 130	30
Acetophenone	ND	230	61	42	36.9	45	49	8.5	30 - 130	30 r
Anthracene	ND	230	63	56	11.8	53	55	3.7	30 - 130	30
Atrazine	ND	130	43	40	7.2	37	38	2.7	30 - 130	30
Benz(a)anthracene	ND	230	63	56	11.8	54	56	3.6	30 - 130	30
Benzaldehyde	ND	230	60	49	20.2	26	35	29.5	30 - 130	30 m
Benzo(a)pyrene	ND	130	67	60	11.0	58	60	3.4	30 - 130	30
Benzo(b)fluoranthene	ND	160	61	53	14.0	52	56	7.4	30 - 130	30
Benzo(ghi)perylene	ND	230	61	62	1.6	56	58	3.5	30 - 130	30
Benzo(k)fluoranthene	ND	230	63	57	10.0	54	54	0.0	30 - 130	30
Benzyl butyl phthalate	ND	230	64	54	16.9	54	55	1.8	30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	55	47	15.7	46	51	10.3	30 - 130	30
Bis(2-chloroethyl)ether	ND	130	46	34	30.0	37	44	17.3	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	230	49	35	33.3	37	41	10.3	30 - 130	30 r
Bis(2-ethylhexyl)phthalate	ND	230	66	56	16.4	55	56	1.8	30 - 130	30
Caprolactam	ND	230	65	51	24.1	52	59	12.6	30 - 130	30
Carbazole	ND	230	63	59	6.6	54	59	8.8	30 - 130	30
Chrysene	ND	230	59	54	8.8	52	54	3.8	30 - 130	30
Dibenz(a,h)anthracene	ND	130	66	64	3.1	60	61	1.7	30 - 130	30
Dibenzofuran	ND	230	60	51	16.2	48	52	8.0	30 - 130	30

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Diethyl phthalate	ND	230	63	54	15.4	51	56	9.3	30 - 130	30
Dimethylphthalate	ND	230	61	53	14.0	51	54	5.7	30 - 130	30
Di-n-butylphthalate	ND	670	67	58	14.4	56	59	5.2	30 - 130	30
Di-n-octylphthalate	ND	230	62	53	15.7	52	52	0.0	30 - 130	30
Fluoranthene	ND	230	68	62	9.2	57	64	11.6	30 - 130	30
Fluorene	ND	230	64	54	16.9	51	56	9.3	30 - 130	30
Hexachlorobenzene	ND	130	54	51	5.7	47	48	2.1	30 - 130	30
Hexachlorobutadiene	ND	230	56	51	9.3	49	55	11.5	30 - 130	30
Hexachlorocyclopentadiene	ND	230	41	18	78.0	24	20	18.2	30 - 130	30
Hexachloroethane	ND	130	45	36	22.2	39	42	7.4	30 - 130	30
Indeno(1,2,3-cd)pyrene	ND	230	66	64	3.1	60	60	0.0	30 - 130	30
Isophorone	ND	130	52	45	14.4	43	47	8.9	30 - 130	30
Naphthalene	ND	230	55	47	15.7	46	51	10.3	30 - 130	30
Nitrobenzene	ND	130	62	42	38.5	46	51	10.3	30 - 130	30
N-Nitrosodimethylamine	ND	230	35	34	2.9	36	40	10.5	30 - 130	30
N-Nitrosodi-n-propylamine	ND	130	65	45	36.4	49	52	5.9	30 - 130	30
N-Nitrosodiphenylamine	ND	130	75	64	15.8	57	64	11.6	30 - 130	30
Pentachlorophenol	ND	230	68	59	14.2	56	59	5.2	30 - 130	30
Phenanthrene	ND	130	61	55	10.3	52	55	5.6	30 - 130	30
Phenol	ND	230	74	53	33.1	54	61	12.2	30 - 130	30
Pyrene	ND	230	70	64	9.0	59	65	9.7	30 - 130	30
% 2,4,6-Tribromophenol	41	%	54	54	0.0	49	49	0.0	30 - 130	30
% 2-Fluorobiphenyl	45	%	49	46	6.3	45	46	2.2	30 - 130	30
% 2-Fluorophenol	47	%	55	43	24.5	45	48	6.5	30 - 130	30
% Nitrobenzene-d5	47	%	56	42	28.6	44	48	8.7	30 - 130	30
% Phenol-d5	51	%	62	47	27.5	48	50	4.1	30 - 130	30
% Terphenyl-d14	65	%	55	54	1.8	50	55	9.5	30 - 130	30

Comment:

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 518086 (ug/kg), QC Sample No: CF29349 (CF29346, CF29347, CF29348, CF29349, CF29350, CF29351, CF29352, CF29353, CF29354)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	89	90	1.1	91	88	3.4	30 - 130	30
% 2-Fluorobiphenyl	38	%	36	46	24.4	40	35	13.3	30 - 130	30
% Nitrobenzene-d5	50	%	31	67	73.5	59	49	18.5	30 - 130	30
% Terphenyl-d14	47	%	50	51	2.0	52	47	10.1	30 - 130	30

QA/QC Batch 518263 (ug/kg), QC Sample No: CF29349 (CF29346, CF29347, CF29348, CF29349, CF29351, CF29352, CF29353, CF29354, CF29356)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	118	119	0.8	92	107	15.1	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	117	118	0.9	95	109	13.7	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	127	126	0.8	93	114	20.3	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	118	116	1.7	90	103	13.5	70 - 130	30
1,1-Dichloroethane	ND	5.0	110	112	1.8	88	103	15.7	70 - 130	30
1,1-Dichloroethene	ND	5.0	119	119	0.0	99	116	15.8	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	116	109	6.2	78	92	16.5	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	117	107	8.9	76	88	14.6	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	123	121	1.6	84	106	23.2	70 - 130	30
1,2-Dibromoethane	ND	5.0	120	118	1.7	90	106	16.3	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	118	115	2.6	86	101	16.0	70 - 130	30
1,2-Dichloroethane	ND	5.0	129	128	0.8	101	115	13.0	70 - 130	30

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dichloropropane	ND	5.0	119	119	0.0	95	110	14.6	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	117	111	5.3	85	100	16.2	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	115	109	5.4	84	97	14.4	70 - 130	30
1,4-dioxane	ND	100	121	106	13.2	100	151	40.6	70 - 130	30
2-Hexanone	ND	25	111	108	2.7	84	102	19.4	70 - 130	30
4-Methyl-2-pentanone	ND	25	117	113	3.5	93	109	15.8	70 - 130	30
Acetone	ND	10	101	100	1.0	75	94	22.5	70 - 130	30
Acrolein	ND	25	104	102	1.9	79	96	19.4	70 - 130	30
Acrylonitrile	ND	5.0	92	94	2.2	74	88	17.3	70 - 130	30
Benzene	ND	1.0	118	117	0.9	95	110	14.6	70 - 130	30
Bromochloromethane	ND	5.0	113	114	0.9	88	103	15.7	70 - 130	30
Bromodichloromethane	ND	5.0	123	122	0.8	95	110	14.6	70 - 130	30
Bromoform	ND	5.0	123	121	1.6	87	104	17.8	70 - 130	30
Bromomethane	ND	5.0	115	115	0.0	109	130	17.6	70 - 130	30
Carbon Disulfide	ND	5.0	99	98	1.0	88	104	16.7	70 - 130	30
Carbon tetrachloride	ND	5.0	117	117	0.0	93	111	17.6	70 - 130	30
Chlorobenzene	ND	5.0	117	114	2.6	90	105	15.4	70 - 130	30
Chloroethane	ND	5.0	99	98	1.0	92	112	19.6	70 - 130	30
Chloroform	ND	5.0	116	117	0.9	92	108	16.0	70 - 130	30
Chloromethane	ND	5.0	88	87	1.1	85	99	15.2	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	107	110	2.8	84	98	15.4	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	119	117	1.7	90	104	14.4	70 - 130	30
Cyclohexane	ND	5.0	84	83	1.2	79	94	17.3	70 - 130	30
Dibromochloromethane	ND	3.0	123	122	0.8	91	107	16.2	70 - 130	30
Dichlorodifluoromethane	ND	5.0	81	80	1.2	88	104	16.7	70 - 130	30
Ethylbenzene	ND	1.0	120	117	2.5	95	111	15.5	70 - 130	30
Isopropylbenzene	ND	1.0	119	117	1.7	94	114	19.2	70 - 130	30
m&p-Xylene	ND	2.0	121	117	3.4	96	111	14.5	70 - 130	30
Methyl ethyl ketone	ND	5.0	102	99	3.0	78	99	23.7	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	91	90	1.1	84	98	15.4	70 - 130	30
Methylacetate	ND	5.0	110	109	0.9	92	115	22.2	70 - 130	30
Methylcyclohexane	ND	5.0	119	112	6.1	109	127	15.3	70 - 130	30
Methylene chloride	ND	5.0	96	97	1.0	78	90	14.3	70 - 130	30
o-Xylene	ND	2.0	121	118	2.5	94	109	14.8	70 - 130	30
Styrene	ND	5.0	118	115	2.6	91	104	13.3	70 - 130	30
tert-butyl alcohol	ND	100	111	101	9.4	90	133	38.6	70 - 130	30
Tetrachloroethene	ND	5.0	117	111	5.3	98	112	13.3	70 - 130	30
Toluene	ND	1.0	118	117	0.9	96	111	14.5	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	116	116	0.0	95	110	14.6	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	122	120	1.7	90	104	14.4	70 - 130	30
Trichloroethene	ND	5.0	117	114	2.6	95	110	14.6	70 - 130	30
Trichlorofluoromethane	ND	5.0	105	103	1.9	99	120	19.2	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	105	102	2.9	97	115	17.0	70 - 130	30
Vinyl chloride	ND	5.0	94	95	1.1	92	108	16.0	70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	102	102	0.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	101	%	105	104	1.0	105	103	1.9	70 - 130	30
% Dibromofluoromethane	88	%	92	94	2.2	94	94	0.0	70 - 130	30
% Toluene-d8	102	%	103	102	1.0	103	103	0.0	70 - 130	30

QA/QC Batch 518263H (ug/kg), QC Sample No: CF29349 50X (CF29355 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	117	116	0.9	90	104	14.4	70 - 130	30
1,1,1-Trichloroethane	ND	250	113	112	0.9	93	105	12.1	70 - 130	30

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,1,2,2-Tetrachloroethane	ND	250	122	117	4.2	98	112	13.3	70 - 130	30
1,1,2-Trichloroethane	ND	250	112	110	1.8	88	100	12.8	70 - 130	30
1,1-Dichloroethane	ND	250	107	106	0.9	85	99	15.2	70 - 130	30
1,1-Dichloroethene	ND	250	87	86	1.2	75	84	11.3	70 - 130	30
1,2,3-Trichlorobenzene	ND	250	118	118	0.0	91	105	14.3	70 - 130	30
1,2,4-Trichlorobenzene	ND	250	124	123	0.8	94	107	12.9	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	250	110	102	7.5	87	103	16.8	70 - 130	30
1,2-Dibromoethane	ND	250	113	111	1.8	90	104	14.4	70 - 130	30
1,2-Dichlorobenzene	ND	250	120	118	1.7	93	106	13.1	70 - 130	30
1,2-Dichloroethane	ND	250	122	121	0.8	98	112	13.3	70 - 130	30
1,2-Dichloropropane	ND	250	117	117	0.0	94	105	11.1	70 - 130	30
1,3-Dichlorobenzene	ND	250	121	119	1.7	93	106	13.1	70 - 130	30
1,4-Dichlorobenzene	ND	250	120	118	1.7	92	105	13.2	70 - 130	30
1,4-dioxane	ND	5000	104	111	6.5	94	107	12.9	70 - 130	30
2-Hexanone	ND	1300	100	95	5.1	90	104	14.4	70 - 130	30
4-Methyl-2-pentanone	ND	1300	106	102	3.8	93	108	14.9	70 - 130	30
Acetone	ND	500	69	66	4.4	67	77	13.9	70 - 130	30
Acrolein	ND	1300	86	81	6.0	78	90	14.3	70 - 130	30
Acrylonitrile	ND	250	84	81	3.6	76	89	15.8	70 - 130	30
Benzene	ND	250	116	116	0.0	94	107	12.9	70 - 130	30
Bromochloromethane	ND	250	107	105	1.9	83	97	15.6	70 - 130	30
Bromodichloromethane	ND	250	118	118	0.0	92	104	12.2	70 - 130	30
Bromoform	ND	250	113	108	4.5	83	97	15.6	70 - 130	30
Bromomethane	ND	250	67	67	0.0	61	73	17.9	70 - 130	30
Carbon Disulfide	ND	250	72	71	1.4	65	75	14.3	70 - 130	30
Carbon tetrachloride	ND	250	111	108	2.7	88	101	13.8	70 - 130	30
Chlorobenzene	ND	250	118	117	0.9	94	107	12.9	70 - 130	30
Chloroethane	ND	250	22	21	4.7	22	24	8.7	70 - 130	30
Chloroform	ND	250	113	110	2.7	89	101	12.6	70 - 130	30
Chloromethane	ND	250	89	85	4.6	86	97	12.0	70 - 130	30
cis-1,2-Dichloroethene	ND	250	104	100	3.9	81	93	13.8	70 - 130	30
cis-1,3-Dichloropropene	ND	250	115	115	0.0	88	101	13.8	70 - 130	30
Cyclohexane	ND	250	83	82	1.2	78	89	13.2	70 - 130	30
Dibromochloromethane	ND	150	114	113	0.9	88	103	15.7	70 - 130	30
Dichlorodifluoromethane	ND	250	81	79	2.5	88	101	13.8	70 - 130	30
Ethylbenzene	ND	250	122	120	1.7	97	112	14.4	70 - 130	30
Isopropylbenzene	ND	250	121	119	1.7	97	111	13.5	70 - 130	30
m&p-Xylene	ND	250	124	122	1.6	100	113	12.2	70 - 130	30
Methyl ethyl ketone	ND	250	94	90	4.3	80	96	18.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	250	83	82	1.2	82	91	10.4	70 - 130	30
Methylacetate	ND	250	94	88	6.6	92	106	14.1	70 - 130	30
Methylcyclohexane	ND	250	119	118	0.8	108	124	13.8	70 - 130	30
Methylene chloride	ND	250	92	90	2.2	76	85	11.2	70 - 130	30
o-Xylene	ND	250	121	120	0.8	97	110	12.6	70 - 130	30
Styrene	ND	250	120	119	0.8	94	107	12.9	70 - 130	30
tert-butyl alcohol	ND	5000	106	106	0.0	92	99	7.3	70 - 130	30
Tetrachloroethene	ND	250	120	118	1.7	98	110	11.5	70 - 130	30
Toluene	ND	250	119	118	0.8	96	109	12.7	70 - 130	30
trans-1,2-Dichloroethene	ND	250	113	110	2.7	92	105	13.2	70 - 130	30
trans-1,3-Dichloropropene	ND	250	116	116	0.0	89	101	12.6	70 - 130	30
Trichloroethene	ND	250	117	116	0.9	93	107	14.0	70 - 130	30
Trichlorofluoromethane	ND	250	20	19	5.1	20	22	9.5	70 - 130	30
Trichlorotrifluoroethane	ND	250	85	84	1.2	80	90	11.8	70 - 130	30

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Vinyl chloride	ND	250	93	91	2.2	90	104	14.4	70 - 130	30
% 1,2-dichlorobenzene-d4	102	%	102	101	1.0	101	102	1.0	70 - 130	30
% Bromofluorobenzene	101	%	104	104	0.0	104	104	0.0	70 - 130	30
% Dibromofluoromethane	88	%	89	88	1.1	88	90	2.2	70 - 130	30
% Toluene-d8	102	%	102	103	1.0	102	102	0.0	70 - 130	30
QA/QC Batch 518418 (ug/kg), QC Sample No: CF30222 (CF29350)										
Volatiles - Soil (Low Level)										
1,1,1,2-Tetrachloroethane	ND	5.0	108	111	2.7	94	106	12.0	70 - 130	30
1,1,1-Trichloroethane	ND	5.0	109	111	1.8	98	115	16.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	3.0	117	119	1.7	100	109	8.6	70 - 130	30
1,1,2-Trichloroethane	ND	5.0	109	109	0.0	94	104	10.1	70 - 130	30
1,1-Dichloroethane	ND	5.0	103	105	1.9	94	109	14.8	70 - 130	30
1,1-Dichloroethene	ND	5.0	115	117	1.7	104	122	15.9	70 - 130	30
1,2,3-Trichlorobenzene	ND	5.0	106	107	0.9	86	96	11.0	70 - 130	30
1,2,4-Trichlorobenzene	ND	5.0	108	108	0.0	85	96	12.2	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	5.0	107	110	2.8	90	95	5.4	70 - 130	30
1,2-Dibromoethane	ND	5.0	106	107	0.9	91	101	10.4	70 - 130	30
1,2-Dichlorobenzene	ND	5.0	109	111	1.8	93	105	12.1	70 - 130	30
1,2-Dichloroethane	ND	5.0	123	125	1.6	111	125	11.9	70 - 130	30
1,2-Dichloropropane	ND	5.0	111	113	1.8	99	111	11.4	70 - 130	30
1,3-Dichlorobenzene	ND	5.0	109	109	0.0	90	103	13.5	70 - 130	30
1,4-Dichlorobenzene	ND	5.0	108	108	0.0	89	102	13.6	70 - 130	30
2-Hexanone	ND	25	107	109	1.9	92	97	5.3	70 - 130	30
4-Methyl-2-pentanone	ND	25	114	117	2.6	103	108	4.7	70 - 130	30
Acetone	ND	10	104	106	1.9	89	99	10.6	70 - 130	30
Acrolein	ND	25	109	108	0.9	93	99	6.3	70 - 130	30
Acrylonitrile	ND	5.0	93	94	1.1	82	87	5.9	70 - 130	30
Benzene	ND	1.0	109	112	2.7	96	111	14.5	70 - 130	30
Bromochloromethane	ND	5.0	105	105	0.0	89	101	12.6	70 - 130	30
Bromodichloromethane	ND	5.0	112	114	1.8	100	114	13.1	70 - 130	30
Bromoform	ND	5.0	110	111	0.9	91	101	10.4	70 - 130	30
Bromomethane	ND	5.0	133	137	3.0	120	147	20.2	70 - 130	30 l,m
Carbon Disulfide	ND	5.0	104	106	1.9	91	108	17.1	70 - 130	30
Carbon tetrachloride	ND	5.0	106	109	2.8	94	112	17.5	70 - 130	30
Chlorobenzene	ND	5.0	109	110	0.9	93	106	13.1	70 - 130	30
Chloroethane	ND	5.0	109	114	4.5	100	124	21.4	70 - 130	30
Chloroform	ND	5.0	107	109	1.9	96	111	14.5	70 - 130	30
Chloromethane	ND	5.0	95	97	2.1	85	100	16.2	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	94	96	2.1	86	98	13.0	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	109	110	0.9	95	108	12.8	70 - 130	30
Cyclohexane	ND	5.0	88	90	2.2	79	93	16.3	70 - 130	30
Dibromochloromethane	ND	3.0	107	109	1.9	91	103	12.4	70 - 130	30
Dichlorodifluoromethane	ND	5.0	93	95	2.1	84	98	15.4	70 - 130	30
Ethylbenzene	ND	1.0	111	114	2.7	96	111	14.5	70 - 130	30
Isopropylbenzene	ND	1.0	111	113	1.8	96	112	15.4	70 - 130	30
m&p-Xylene	ND	2.0	113	116	2.6	98	112	13.3	70 - 130	30
Methyl ethyl ketone	ND	5.0	101	102	1.0	89	95	6.5	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	105	0.0	95	105	10.0	70 - 130	30
Methylacetate	ND	5.0	115	117	1.7	106	111	4.6	70 - 130	30
Methylcyclohexane	ND	5.0	122	127	4.0	112	133	17.1	70 - 130	30 m
Methylene chloride	ND	5.0	92	93	1.1	84	96	13.3	70 - 130	30
o-Xylene	ND	2.0	111	114	2.7	96	110	13.6	70 - 130	30

QA/QC Data

SDG I.D.: GCF29346

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Styrene	ND	5.0	110	112	1.8	94	108	13.9	70 - 130	30
tert-butyl alcohol	ND	100	114	133	15.4	102	113	10.2	70 - 130	30
Tetrachloroethene	ND	5.0	110	112	1.8	93	108	14.9	70 - 130	30
Toluene	ND	1.0	111	114	2.7	100	114	13.1	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	110	112	1.8	101	117	14.7	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	114	115	0.9	98	108	9.7	70 - 130	30
Trichloroethene	ND	5.0	110	113	2.7	95	110	14.6	70 - 130	30
Trichlorofluoromethane	ND	5.0	118	120	1.7	106	127	18.0	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	111	113	1.8	104	120	14.3	70 - 130	30
Vinyl chloride	ND	5.0	104	107	2.8	95	110	14.6	70 - 130	30
% 1,2-dichlorobenzene-d4	101	%	101	101	0.0	102	101	1.0	70 - 130	30
% Bromofluorobenzene	100	%	105	104	1.0	105	105	0.0	70 - 130	30
% Dibromofluoromethane	91	%	89	89	0.0	93	92	1.1	70 - 130	30
% Toluene-d8	107	%	104	104	0.0	107	107	0.0	70 - 130	30

Comment:

A blank MS/MSD was analyzed with this Low Level batch.

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

March 06, 2020

Friday, March 06, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCF29346 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF29346	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	600	250	500	500	ug/Kg
CF29346	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	600	250	500	500	ug/Kg
CF29346	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	600	250	500	500	ug/Kg
CF29346	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	87.3	0.7	63	63	mg/Kg
CF29347	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	38.2	0.31	30	30	mg/Kg
CF29348	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	670	250	500	500	ug/Kg
CF29348	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	670	250	500	500	ug/Kg
CF29348	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	670	250	500	500	ug/Kg
CF29348	NI-SM	Nickel	NY / 375-6.8 Metals / Unrestricted Use Soil	30.6	0.34	30	30	mg/Kg
CF29348	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	88.3	0.7	63	63	mg/Kg
CF29350	\$DIOX-SM8270	1,4-dioxane	NY / 375-6.8 Volatiles / Ground Water Protection	ND	150	100	100	ug/Kg
CF29350	\$DIOX-SM8270	1,4-dioxane	NY / 375-6.8 Volatiles / Unrestricted Use Soil	ND	150	100	100	ug/Kg
CF29350	\$DP8270_TCL	Dibenzofuran	NY / 375-6.8 Volatiles / Ground Water Protection	5000	260	3200	3200	ug/Kg
CF29350	\$DP8270_TCL	Dibenzofuran	NY / 375-6.8 Volatiles / Unrestricted Use Soil	5000	260	330	330	ug/Kg
CF29350	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	30000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	30000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	30000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	30000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	25000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	25000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	25000	2600	3900	3900	ug/Kg
CF29350	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	25000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	20000	2600	1700	1700	ug/Kg
CF29350	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	20000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	20000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	20000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	19000	2600	1700	1700	ug/Kg
CF29350	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	19000	2600	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	19000	2600	3900	3900	ug/Kg
CF29350	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	19000	2600	800	800	ug/Kg
CF29350	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Ground Water Protection	29000	1500	22000	22000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	29000	1500	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	29000	1500	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	29000	1500	1000	1000	ug/Kg
CF29350	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Ground Water Protection	17000	2600	8200	8200	ug/Kg
CF29350	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	17000	2600	500	500	ug/Kg
CF29350	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	17000	2600	500	500	ug/Kg
CF29350	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	17000	2600	500	500	ug/Kg
CF29350	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	4100	150	330	330	ug/Kg
CF29350	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	4100	150	330	330	ug/Kg

Friday, March 06, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCF29346 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF29350	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4100	150	330	330	ug/Kg
CF29350	\$PESTSMDPR	Endrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	18	14	14	ug/Kg
CF29350	\$PESTSMDPR	4,4' -DDD	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	62	11	3.3	3.3	ug/Kg
CF29350	\$PESTSMDPR	4,4' -DDE	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.2	3.3	3.3	ug/Kg
CF29350	\$PESTSMDPR	4,4' -DDT	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	59	11	3.3	3.3	ug/Kg
CF29350	\$PESTSMDPR	Dieldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	28	18	5	5	ug/Kg
CF29350	\$PESTSMDPR	Aldrin	NY / 375-6.8 PCBs/Pesticides / Unrestricted Use Soil	ND	7.2	5	5	ug/Kg
CF29350	BA-SMDP	Barium	NY / 375-6.8 Metals / Residential	381	0.7	350	350	mg/Kg
CF29350	BA-SMDP	Barium	NY / 375-6.8 Metals / Unrestricted Use Soil	381	0.7	350	350	mg/Kg
CF29350	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	0.97	0.13	0.73	0.73	mg/Kg
CF29350	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	0.97	0.13	0.81	0.81	mg/Kg
CF29350	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	0.97	0.13	0.81	0.81	mg/Kg
CF29350	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	0.97	0.13	0.18	0.18	mg/Kg
CF29350	MN-SM	Manganese	NY / 375-6.8 Metals / Unrestricted Use Soil	1990	35	1600	1600	mg/Kg
CF29350	PB-SMDP	Lead	NY / 375-6.8 Metals / Ground Water Protection	499	0.7	450	450	mg/Kg
CF29350	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential	499	0.7	400	400	mg/Kg
CF29350	PB-SMDP	Lead	NY / 375-6.8 Metals / Residential Restricted	499	0.7	400	400	mg/Kg
CF29350	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	499	0.7	63	63	mg/Kg
CF29350	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	278	0.7	109	109	mg/Kg
CF29352	\$DP8270_TCL	Dibenzofuran	NY / 375-6.8 Volatiles / Unrestricted Use Soil	530	260	330	330	ug/Kg
CF29352	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	6900	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	6900	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	6900	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6900	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	6700	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	6700	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential Restricted	6700	260	3900	3900	ug/Kg
CF29352	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6700	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	5400	260	1700	1700	ug/Kg
CF29352	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	5400	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	5400	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	5400	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Ground Water Protection	4500	260	1700	1700	ug/Kg
CF29352	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	4500	260	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	4500	260	3900	3900	ug/Kg
CF29352	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4500	260	800	800	ug/Kg
CF29352	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	6900	150	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	6900	150	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	6900	150	1000	1000	ug/Kg
CF29352	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	4300	260	500	500	ug/Kg
CF29352	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	4300	260	500	500	ug/Kg

Friday, March 06, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCF29346 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF29352	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	4300	260	500	500	ug/Kg
CF29352	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential	980	150	330	330	ug/Kg
CF29352	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	980	150	330	330	ug/Kg
CF29352	\$DP8270_TCL	Dibenz(a,h)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	980	150	330	330	ug/Kg
CF29352	HG-SM	Mercury	NY / 375-6.8 Metals / Ground Water Protection	2.15	0.14	0.73	0.73	mg/Kg
CF29352	HG-SM	Mercury	NY / 375-6.8 Metals / Residential	2.15	0.14	0.81	0.81	mg/Kg
CF29352	HG-SM	Mercury	NY / 375-6.8 Metals / Residential Restricted	2.15	0.14	0.81	0.81	mg/Kg
CF29352	HG-SM	Mercury	NY / 375-6.8 Metals / Unrestricted Use Soil	2.15	0.14	0.18	0.18	mg/Kg
CF29352	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	268	0.7	63	63	mg/Kg
CF29352	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	203	0.7	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 06, 2020

SDG I.D.: GCF29346

The samples in this delivery group were received at 1.7°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



Monday, September 14, 2020

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
SDG ID: GCG62169
Sample ID#s: CG62169 - CG62173, CG62176 - CG62177

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
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**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1015 ATLANTIC AVENUE BROOKLYN NY
Laboratory Project: GCG62169



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

September 14, 2020

SDG I.D.: GCG62169

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN NY

Methodology Summary

Accelerated Solvent Extraction (ASE)

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 3545A.

Mercury Prep

Soil Sample - USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 7471B.

Metals

ICP :
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010D.
Mercury:
USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

September 14, 2020

SDG I.D.: GCG62169

Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN NY

Laboratory Chronicle

The samples in this delivery group were received at 2.3°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CG62169	1,4-Dioxane	08/24/20	08/26/20	08/27/20	WB	Y
CG62169	1,4-dioxane	08/24/20	08/27/20	08/27/20	JLI	Y
CG62169	Aluminum	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Antimony	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Arsenic	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Barium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Beryllium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Cadmium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Calcium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Chromium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Client MS/MSD	08/24/20	08/27/20	08/27/20		Y
CG62169	Cobalt	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Copper	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Iron	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Lead	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Magnesium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Manganese	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Mercury	08/24/20	08/27/20	08/27/20	MGH	Y
CG62169	Nickel	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Percent Solid	08/24/20	08/26/20	08/26/20	JJ	Y
CG62169	Pesticides - Soil	08/24/20	08/26/20	08/27/20	CG	Y
CG62169	Polychlorinated Biphenyls	08/24/20	08/26/20	08/27/20	SC	Y
CG62169	Potassium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Selenium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Semivolatiles	08/24/20	08/26/20	08/26/20	AW	Y
CG62169	Silver	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Sodium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Thallium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Vanadium	08/24/20	08/26/20	08/27/20	EK	Y
CG62169	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62169	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62169	Zinc	08/24/20	08/26/20	08/27/20	EK	Y



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CG62170	1,4-Dioxane	08/24/20	08/26/20	08/27/20	WB	Y
CG62170	1,4-dioxane	08/24/20	08/27/20	08/27/20	JLI	Y
CG62170	Aluminum	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Antimony	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Arsenic	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Barium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Beryllium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Cadmium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Calcium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Chromium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Cobalt	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Copper	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Iron	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Lead	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Magnesium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Manganese	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Mercury	08/24/20	08/27/20	08/27/20	MGH	Y
CG62170	Nickel	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Percent Solid	08/24/20	08/26/20	08/26/20	JJ	Y
CG62170	Pesticides - Soil	08/24/20	08/26/20	08/27/20	CG	Y
CG62170	Polychlorinated Biphenyls	08/24/20	08/26/20	08/27/20	SC	Y
CG62170	Potassium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Selenium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Semivolatiles	08/24/20	08/26/20	08/27/20	AW	Y
CG62170	Silver	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Sodium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Thallium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Vanadium	08/24/20	08/26/20	08/27/20	EK	Y
CG62170	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62170	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62170	Zinc	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	1,4-Dioxane	08/24/20	08/26/20	08/27/20	WB	Y
CG62171	1,4-dioxane	08/24/20	08/27/20	08/27/20	JLI	Y
CG62171	Aluminum	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Antimony	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Arsenic	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Barium	08/24/20	08/26/20	08/27/20	EK	Y



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CG62171	Beryllium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Cadmium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Calcium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Chromium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Cobalt	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Copper	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Iron	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Lead	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Magnesium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Manganese	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Mercury	08/24/20	08/27/20	08/27/20	MGH	Y
CG62171	Nickel	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Percent Solid	08/24/20	08/26/20	08/26/20	JJ	Y
CG62171	Pesticides - Soil	08/24/20	08/26/20	08/27/20	CG	Y
CG62171	Polychlorinated Biphenyls	08/24/20	08/26/20	08/28/20	SC	Y
CG62171	Potassium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Selenium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Semivolatiles	08/24/20	08/26/20	08/27/20	AW	Y
CG62171	Silver	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Sodium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Thallium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Vanadium	08/24/20	08/26/20	08/27/20	EK	Y
CG62171	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62171	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62171	Zinc	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	1,4-Dioxane	08/24/20	08/26/20	08/27/20	WB	Y
CG62172	1,4-dioxane	08/24/20	08/27/20	08/27/20	JLI	Y
CG62172	Aluminum	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Antimony	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Arsenic	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Barium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Beryllium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Cadmium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Calcium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Chromium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Cobalt	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Copper	08/24/20	08/26/20	08/27/20	EK	Y



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CG62172	Iron	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Lead	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Magnesium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Manganese	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Mercury	08/24/20	08/27/20	08/27/20	MGH	Y
CG62172	Nickel	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Percent Solid	08/24/20	08/26/20	08/26/20	JJ	Y
CG62172	Pesticides - Soil	08/24/20	08/26/20	08/27/20	CG	Y
CG62172	Polychlorinated Biphenyls	08/24/20	08/26/20	08/27/20	SC	Y
CG62172	Potassium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Selenium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Semivolatiles	08/24/20	08/26/20	08/27/20	AW	Y
CG62172	Silver	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Sodium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Thallium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Vanadium	08/24/20	08/26/20	08/27/20	EK	Y
CG62172	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62172	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62172	Zinc	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	1,4-Dioxane	08/24/20	08/26/20	08/27/20	WB	Y
CG62173	1,4-dioxane	08/24/20	08/27/20	08/27/20	JLI	Y
CG62173	Aluminum	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Antimony	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Arsenic	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Barium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Beryllium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Cadmium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Calcium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Chromium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Cobalt	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Copper	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Iron	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Lead	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Magnesium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Manganese	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Mercury	08/24/20	08/27/20	08/27/20	MGH	Y
CG62173	Nickel	08/24/20	08/26/20	08/27/20	EK	Y



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Environmental Business Consultants 1015 ATLANTIC AVENUE BROOKLYN NY

CG62173	Percent Solid	08/24/20	08/26/20	08/26/20	JJ	Y
CG62173	Pesticides - Soil	08/24/20	08/26/20	08/27/20	CG	Y
CG62173	Polychlorinated Biphenyls	08/24/20	08/26/20	08/27/20	SC	Y
CG62173	Potassium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Selenium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Semivolatiles	08/24/20	08/26/20	08/27/20	AW	Y
CG62173	Silver	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Sodium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Thallium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Vanadium	08/24/20	08/26/20	08/27/20	EK	Y
CG62173	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62173	Volatiles	08/24/20	08/27/20	08/27/20	JLI	Y
CG62173	Zinc	08/24/20	08/26/20	08/27/20	EK	Y
CG62174	On Hold	08/24/20	08/26/20	08/26/20		Y
CG62175	On Hold	08/24/20	08/26/20	08/26/20		Y
CG62176	1,4-dioxane	08/24/20	08/26/20	08/26/20	JLI	Y
CG62176	Volatiles	08/24/20	08/26/20	08/26/20	JLI	Y
CG62176	Volatiles	08/24/20	08/26/20	08/26/20	JLI	Y
CG62177	1,4-dioxane	08/24/20	08/26/20	08/26/20	JLI	Y
CG62177	Volatiles	08/24/20	08/26/20	08/26/20	JLI	Y
CG62177	Volatiles	08/24/20	08/26/20	08/26/20	JLI	Y



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SDG Comments

September 14, 2020

SDG I.D.: GCG62169

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Sample Id Cross Reference

September 14, 2020

SDG I.D.: GCG62169

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY

Client Id	Lab Id	Matrix
19B3R (0-4)	CG62169	SOIL
19B3R (23-25)	CG62170	SOIL
19B7R (6-8)	CG62171	SOIL
19B8R (6-8)	CG62172	SOIL
8-24 DUPLICATE	CG62173	SOIL
TRIP BLANK HL	CG62176	SOIL
TRIP BLANK LL	CG62177	SOIL



Environmental Laboratories, Inc.
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Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

8:10
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62169

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: 19B3R (0-4)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Aluminum	7720	32	6.3	mg/Kg	10	08/27/20	EK	SW6010D
Arsenic	2.63	0.63	0.63	mg/Kg	1	08/27/20	EK	SW6010D
Barium	68.3	0.6	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Beryllium	0.30	0.25	0.13	mg/Kg	1	08/27/20	EK	SW6010D
Calcium	15600	32	29	mg/Kg	10	08/27/20	EK	SW6010D
Cadmium	1.06	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Cobalt	6.33	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Chromium	16.7	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Copper	30.2	0.6	0.32	mg/kg	1	08/27/20	EK	SW6010D
Iron	20400	32	32	mg/Kg	10	08/27/20	EK	SW6010D
Mercury	0.14	0.03	0.02	mg/Kg	2	08/27/20	MGH	SW7471B
Potassium	1160	N 6	2.5	mg/Kg	1	08/27/20	EK	SW6010D
Magnesium	7350	32	32	mg/Kg	10	08/27/20	EK	SW6010D
Manganese	345	N 3.2	3.2	mg/Kg	10	08/27/20	EK	SW6010D
Sodium	432	N 6	2.7	mg/Kg	1	08/27/20	EK	SW6010D
Nickel	18.6	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Lead	105	0.6	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Antimony	ND	3.2	3.2	mg/Kg	1	08/27/20	EK	SW6010D
Selenium	ND	1.3	1.1	mg/Kg	1	08/27/20	EK	SW6010D
Thallium	ND	1.3	1.3	mg/Kg	1	08/27/20	EK	SW6010D
Vanadium	30.2	0.32	0.32	mg/Kg	1	08/27/20	EK	SW6010D
Zinc	389	* 6.3	3.2	mg/Kg	10	08/27/20	EK	SW6010D
Percent Solid	94			%		08/26/20	JJ	SW846-%Solid
Extraction for SVOA SIM	Completed					08/26/20	L/M	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/A	SW3545A
Soil Extraction for Pesticides	Completed					08/26/20	L/A	SW3545A
Mercury Digestion	Completed					08/27/20	VT/VT	SW7471B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Soil Extraction for SVOA	Completed					08/26/20	B/A SW3546
Total Metals Digest	Completed					08/26/20	S/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1221	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1232	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1242	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1248	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1254	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1260	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1262	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A
PCB-1268	ND	69	69	ug/Kg	2	08/27/20	SC SW8082A

QA/QC Surrogates

% DCBP	63			%	2	08/27/20	SC 30 - 150 %
% DCBP (Confirmation)	58			%	2	08/27/20	SC 30 - 150 %
% TCMX	60			%	2	08/27/20	SC 30 - 150 %
% TCMX (Confirmation)	62			%	2	08/27/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
a-BHC	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
b-BHC	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Chlordane	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
d-BHC	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan I	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan II	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan sulfate	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Endrin	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Endrin aldehyde	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Endrin ketone	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	08/27/20	CG SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor epoxide	ND	6.9	6.9	ug/Kg	2	08/27/20	CG SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
Toxaphene	ND	140	140	ug/Kg	2	08/27/20	CG SW8081B

QA/QC Surrogates

% DCBP	61			%	2	08/27/20	CG 30 - 150 %
% DCBP (Confirmation)	48			%	2	08/27/20	CG 30 - 150 %
% TCMX	54			%	2	08/27/20	CG 30 - 150 %
% TCMX (Confirmation)	50			%	2	08/27/20	CG 30 - 150 %

1,4-dioxane

1,4-dioxane	ND	77	41	ug/kg	1	08/27/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Volatiles							
1,1,1-Trichloroethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2-Trichloroethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromoethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloroethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloropropane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
1,3-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
1,4-Dichlorobenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
2-Hexanone	ND	26	5.1	ug/Kg	1	08/27/20	JLI SW8260C
4-Methyl-2-pentanone	ND	26	5.1	ug/Kg	1	08/27/20	JLI SW8260C
Acetone	ND	26	5.1	ug/Kg	1	08/27/20	JLI SW8260C
Benzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Bromochloromethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Bromodichloromethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Bromoform	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Bromomethane	ND	5.1	2.0	ug/Kg	1	08/27/20	JLI SW8260C
Carbon Disulfide	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Carbon tetrachloride	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Chlorobenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Chloroethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Chloroform	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Chloromethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Cyclohexane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Dibromochloromethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Dichlorodifluoromethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Ethylbenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Isopropylbenzene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
m&p-Xylene	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Methyl ethyl ketone	ND	31	5.1	ug/Kg	1	08/27/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Methylacetate	ND	5.1	5.1	ug/Kg	1	08/27/20	JLI SW8260C
Methylcyclohexane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Methylene chloride	ND	5.1	5.1	ug/Kg	1	08/27/20	JLI SW8260C
o-Xylene	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Styrene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Tetrachloroethene	2.0	J 5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Toluene	0.79	J 5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Total Xylenes	ND	5.1	5.1	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Trichloroethene	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorofluoromethane	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Vinyl chloride	ND	5.1	0.51	ug/Kg	1	08/27/20	JLI SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	95			%	1	08/27/20	JLI 70 - 130 %
% Bromofluorobenzene	92			%	1	08/27/20	JLI 70 - 130 %
% Dibromofluoromethane	93			%	1	08/27/20	JLI 70 - 130 %
% Toluene-d8	101			%	1	08/27/20	JLI 70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Acrolein	ND	5.1	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Acrylonitrile	ND	20	0.51	ug/Kg	1	08/27/20	JLI SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	08/27/20	JLI SW8260C

Volatile Library Search Top 10

Completed

08/27/20

JLI

Client MS/MSD

Completed

08/27/20

1,4-Dioxane

1,4-dioxane	ND	70	70	ug/Kg	1	08/27/20	WB SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	60			%	1	08/27/20	WB 30 - 130 %
% Nitrobenzene-d5	94			%	1	08/27/20	WB 30 - 130 %
% Terphenyl-d14	74			%	1	08/27/20	WB 30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	250	110	ug/Kg	1	08/26/20	AW SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	08/26/20	AW SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	08/26/20	AW SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	08/26/20	AW SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	08/26/20	AW SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	08/26/20	AW SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	08/26/20	AW SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/26/20	AW SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	08/26/20	AW SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	08/26/20	AW SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/26/20	AW SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/26/20	AW SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	08/26/20	AW SW8270D
2-Methylphenol (o-cresol)	ND	250	170	ug/Kg	1	08/26/20	AW SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/26/20	AW SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	08/26/20	AW SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/26/20	AW SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	08/26/20	AW SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	08/26/20	AW SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	08/26/20	AW SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/26/20	AW SW8270D
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	08/26/20	AW SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	08/26/20	AW SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/26/20	AW	SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	08/26/20	AW	SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	08/26/20	AW	SW8270D
Acenaphthene	160	J 250	110	ug/Kg	1	08/26/20	AW	SW8270D
Acenaphthylene	110	J 140	98	ug/Kg	1	08/26/20	AW	SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Anthracene	400	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Atrazine	ND	250	91	ug/Kg	1	08/26/20	AW	SW8270D
Benz(a)anthracene	1300	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	08/26/20	AW	SW8270D
Benzo(a)pyrene	1300	140	110	ug/Kg	1	08/26/20	AW	SW8270D
Benzo(b)fluoranthene	1200	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Benzo(ghi)perylene	820	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Benzo(k)fluoranthene	890	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	08/26/20	AW	SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	08/26/20	AW	SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	08/26/20	AW	SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	08/26/20	AW	SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/26/20	AW	SW8270D
Caprolactam	ND	250	250	ug/Kg	1	08/26/20	AW	SW8270D
Carbazole	ND	250	180	ug/Kg	1	08/26/20	AW	SW8270D
Chrysene	1300	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Dibenz(a,h)anthracene	290	140	110	ug/Kg	1	08/26/20	AW	SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	08/26/20	AW	SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	08/26/20	AW	SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	08/26/20	AW	SW8270D
Fluoranthene	3000	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Fluorene	130	J 250	120	ug/Kg	1	08/26/20	AW	SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	08/26/20	AW	SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/26/20	AW	SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	08/26/20	AW	SW8270D
Indeno(1,2,3-cd)pyrene	870	250	120	ug/Kg	1	08/26/20	AW	SW8270D
Isophorone	ND	140	98	ug/Kg	1	08/26/20	AW	SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/26/20	AW	SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	08/26/20	AW	SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	08/26/20	AW	SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	08/26/20	AW	SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	08/26/20	AW	SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	08/26/20	AW	SW8270D
Phenanthrene	1900	140	100	ug/Kg	1	08/26/20	AW	SW8270D
Phenol	ND	250	110	ug/Kg	1	08/26/20	AW	SW8270D
Pyrene	2900	250	120	ug/Kg	1	08/26/20	AW	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	57			%	1	08/26/20	AW	30 - 130 %
% 2-Fluorobiphenyl	67			%	1	08/26/20	AW	30 - 130 %
% 2-Fluorophenol	69			%	1	08/26/20	AW	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
% Nitrobenzene-d5	61			%	1	08/26/20	AW 30 - 130 %
% Phenol-d5	62			%	1	08/26/20	AW 30 - 130 %
% Terphenyl-d14	88			%	1	08/26/20	AW 30 - 130 %
SVOA Library Search Top 15	Completed					08/27/20	MR

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

8:30
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62170

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: 19B3R (23-25)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Aluminum	6570	36	7.3	mg/Kg	10	08/27/20	EK	SW6010D
Arsenic	2.27	0.73	0.73	mg/Kg	1	08/27/20	EK	SW6010D
Barium	37.1	0.7	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Beryllium	0.23	J 0.29	0.15	mg/Kg	1	08/27/20	EK	SW6010D
Calcium	14900	36	34	mg/Kg	10	08/27/20	EK	SW6010D
Cadmium	0.67	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Cobalt	6.62	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Chromium	22.7	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Copper	26.5	0.7	0.36	mg/kg	1	08/27/20	EK	SW6010D
Iron	19600	36	36	mg/Kg	10	08/27/20	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	08/27/20	MGH	SW7471B
Potassium	1670	N 7	2.8	mg/Kg	1	08/27/20	EK	SW6010D
Magnesium	9120	36	36	mg/Kg	10	08/27/20	EK	SW6010D
Manganese	317	N 3.6	3.6	mg/Kg	10	08/27/20	EK	SW6010D
Sodium	392	N 7	3.1	mg/Kg	1	08/27/20	EK	SW6010D
Nickel	20.4	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Lead	16.1	0.7	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Antimony	ND	3.6	3.6	mg/Kg	1	08/27/20	EK	SW6010D
Selenium	ND	1.5	1.2	mg/Kg	1	08/27/20	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	08/27/20	EK	SW6010D
Vanadium	52.3	0.36	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Zinc	47.0	* 0.7	0.36	mg/Kg	1	08/27/20	EK	SW6010D
Percent Solid	94			%		08/26/20	JJ	SW846-%Solid
Extraction for SVOA SIM	Completed					08/26/20	L/M	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for Pesticides	Completed					08/26/20	L/TH	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Mercury Digestion	Completed					08/27/20	VT/VT SW7471B
Soil Extraction for SVOA	Completed					08/26/20	B/A SW3546
Total Metals Digest	Completed					08/26/20	S/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1221	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1232	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1242	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1248	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1254	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1260	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1262	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A
PCB-1268	ND	70	70	ug/Kg	2	08/27/20	SC SW8082A

QA/QC Surrogates

% DCBP	112			%	2	08/27/20	SC 30 - 150 %
% DCBP (Confirmation)	111			%	2	08/27/20	SC 30 - 150 %
% TCMX	96			%	2	08/27/20	SC 30 - 150 %
% TCMX (Confirmation)	109			%	2	08/27/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
a-BHC	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
b-BHC	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Chlordane	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
d-BHC	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan I	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan II	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan sulfate	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Endrin	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Endrin aldehyde	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Endrin ketone	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	08/27/20	CG SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor epoxide	ND	7.0	7.0	ug/Kg	2	08/27/20	CG SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
Toxaphene	ND	140	140	ug/Kg	2	08/27/20	CG SW8081B

QA/QC Surrogates

% DCBP	73			%	2	08/27/20	CG 30 - 150 %
% DCBP (Confirmation)	84			%	2	08/27/20	CG 30 - 150 %
% TCMX	57			%	2	08/27/20	CG 30 - 150 %
% TCMX (Confirmation)	78			%	2	08/27/20	CG 30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
<u>1,4-dioxane</u>							
1,4-dioxane	ND	93	49	ug/kg	1	08/27/20	JLI SW8260C
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2-Trichloroethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromoethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloroethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloropropane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
1,3-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
1,4-Dichlorobenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
2-Hexanone	ND	31	6.2	ug/Kg	1	08/27/20	JLI SW8260C
4-Methyl-2-pentanone	ND	31	6.2	ug/Kg	1	08/27/20	JLI SW8260C
Acetone	ND	31	6.2	ug/Kg	1	08/27/20	JLI SW8260C
Benzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Bromochloromethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Bromodichloromethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Bromoform	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Bromomethane	ND	6.2	2.5	ug/Kg	1	08/27/20	JLI SW8260C
Carbon Disulfide	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Carbon tetrachloride	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Chlorobenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Chloroethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Chloroform	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Chloromethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Cyclohexane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Dibromochloromethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Dichlorodifluoromethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Ethylbenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Isopropylbenzene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
m&p-Xylene	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Methyl ethyl ketone	ND	37	6.2	ug/Kg	1	08/27/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	12	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Methylacetate	ND	6.2	6.2	ug/Kg	1	08/27/20	JLI SW8260C
Methylcyclohexane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Methylene chloride	ND	6.2	6.2	ug/Kg	1	08/27/20	JLI SW8260C
o-Xylene	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Styrene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Tetrachloroethene	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Toluene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Total Xylenes	ND	6.2	6.2	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Trichloroethene	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorofluoromethane	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorotrifluoroethane	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Vinyl chloride	ND	6.2	0.62	ug/Kg	1	08/27/20	JLI SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	97			%	1	08/27/20	JLI 70 - 130 %
% Bromofluorobenzene	100			%	1	08/27/20	JLI 70 - 130 %
% Dibromofluoromethane	91			%	1	08/27/20	JLI 70 - 130 %
% Toluene-d8	104			%	1	08/27/20	JLI 70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	25	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Acrolein	ND	6.2	1.2	ug/Kg	1	08/27/20	JLI SW8260C
Acrylonitrile	ND	25	0.62	ug/Kg	1	08/27/20	JLI SW8260C
Tert-butyl alcohol	ND	120	25	ug/Kg	1	08/27/20	JLI SW8260C

Volatile Library Search Top 10 Completed 08/27/20 JLI

1,4-Dioxane

1,4-dioxane	ND	69	69	ug/Kg	1	08/27/20	WB SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	64			%	1	08/27/20	WB 30 - 130 %
% Nitrobenzene-d5	94			%	1	08/27/20	WB 30 - 130 %
% Terphenyl-d14	80			%	1	08/27/20	WB 30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
1,2,4,5-Tetrachlorobenzene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
2,3,4,6-tetrachlorophenol	ND	240	160	ug/Kg	1	08/27/20	AW SW8270D
2,4,5-Trichlorophenol	ND	240	190	ug/Kg	1	08/27/20	AW SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dimethylphenol	ND	240	87	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrophenol	ND	240	240	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	08/27/20	AW SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
2-Chloronaphthalene	ND	240	99	ug/Kg	1	08/27/20	AW SW8270D
2-Chlorophenol	ND	240	99	ug/Kg	1	08/27/20	AW SW8270D
2-Methylnaphthalene	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D
2-Methylphenol (o-cresol)	ND	240	160	ug/Kg	1	08/27/20	AW SW8270D
2-Nitroaniline	ND	240	240	ug/Kg	1	08/27/20	AW SW8270D
2-Nitrophenol	ND	240	220	ug/Kg	1	08/27/20	AW SW8270D
3&4-Methylphenol (m&p-cresol)	ND	240	140	ug/Kg	1	08/27/20	AW SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	08/27/20	AW SW8270D
3-Nitroaniline	ND	700	240	ug/Kg	1	08/27/20	AW SW8270D
4,6-Dinitro-2-methylphenol	ND	240	240	ug/Kg	1	08/27/20	AW SW8270D
4-Bromophenyl phenyl ether	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
4-Chloro-3-methylphenol	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	08/27/20	AW SW8270D
4-Chlorophenyl phenyl ether	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitroaniline	ND	1700	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitrophenol	ND	240	160	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthene	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthylene	ND	140	98	ug/Kg	1	08/27/20	AW SW8270D
Acetophenone	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Anthracene	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Atrazine	ND	240	91	ug/Kg	1	08/27/20	AW SW8270D
Benz(a)anthracene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
Benzaldehyde	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D
Benzo(a)pyrene	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(b)fluoranthene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(ghi)perylene	150	J 240	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(k)fluoranthene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
Benzyl butyl phthalate	ND	240	90	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethoxy)methane	ND	240	96	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethyl)ether	ND	140	94	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroisopropyl)ether	ND	240	97	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-ethylhexyl)phthalate	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D
Caprolactam	ND	240	240	ug/Kg	1	08/27/20	AW SW8270D
Carbazole	ND	240	170	ug/Kg	1	08/27/20	AW SW8270D
Chrysene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
Dibenz(a,h)anthracene	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
Dibenzofuran	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D
Diethyl phthalate	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Dimethylphthalate	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Di-n-butylphthalate	ND	240	93	ug/Kg	1	08/27/20	AW SW8270D
Di-n-octylphthalate	ND	240	90	ug/Kg	1	08/27/20	AW SW8270D
Fluoranthene	170	J 240	110	ug/Kg	1	08/27/20	AW SW8270D
Fluorene	ND	240	120	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobutadiene	ND	240	130	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorocyclopentadiene	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachloroethane	ND	140	100	ug/Kg	1	08/27/20	AW SW8270D
Indeno(1,2,3-cd)pyrene	150	J 240	120	ug/Kg	1	08/27/20	AW SW8270D
Isophorone	ND	140	98	ug/Kg	1	08/27/20	AW SW8270D
Naphthalene	ND	240	100	ug/Kg	1	08/27/20	AW SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodimethylamine	ND	240	99	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	08/27/20	AW SW8270D
Pentachlorophenol	ND	240	130	ug/Kg	1	08/27/20	AW SW8270D
Phenanthrene	ND	140	100	ug/Kg	1	08/27/20	AW SW8270D
Phenol	ND	240	110	ug/Kg	1	08/27/20	AW SW8270D
Pyrene	170	J 240	120	ug/Kg	1	08/27/20	AW SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	58			%	1	08/27/20	AW 30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
% 2-Fluorobiphenyl	66			%	1	08/27/20	AW 30 - 130 %
% 2-Fluorophenol	70			%	1	08/27/20	AW 30 - 130 %
% Nitrobenzene-d5	60			%	1	08/27/20	AW 30 - 130 %
% Phenol-d5	62			%	1	08/27/20	AW 30 - 130 %
% Terphenyl-d14	99			%	1	08/27/20	AW 30 - 130 %
SVOA Library Search Top 15	Completed					08/27/20	MR

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

9:00
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62171

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: 19B7R (6-8)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Aluminum	12600	37	7.4	mg/Kg	10	08/27/20	EK	SW6010D
Arsenic	3.57	0.74	0.74	mg/Kg	1	08/27/20	EK	SW6010D
Barium	32.5	0.7	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Beryllium	0.47	0.30	0.15	mg/Kg	1	08/27/20	EK	SW6010D
Calcium	916	3.7	3.4	mg/Kg	1	08/27/20	EK	SW6010D
Cadmium	0.87	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Cobalt	7.86	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Chromium	21.1	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Copper	15.5	0.7	0.37	mg/kg	1	08/27/20	EK	SW6010D
Iron	22500	37	37	mg/Kg	10	08/27/20	EK	SW6010D
Mercury	ND	0.03	0.02	mg/Kg	2	08/27/20	MGH	SW7471B
Potassium	1100	N 7	2.9	mg/Kg	1	08/27/20	EK	SW6010D
Magnesium	2680	3.7	3.7	mg/Kg	1	08/27/20	EK	SW6010D
Manganese	188	N 3.7	3.7	mg/Kg	10	08/27/20	EK	SW6010D
Sodium	137	N 7	3.2	mg/Kg	1	08/27/20	EK	SW6010D
Nickel	16.9	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Lead	7.1	0.7	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Antimony	ND	3.7	3.7	mg/Kg	1	08/27/20	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	08/27/20	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	08/27/20	EK	SW6010D
Vanadium	31.9	0.37	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Zinc	32.3	* 0.7	0.37	mg/Kg	1	08/27/20	EK	SW6010D
Percent Solid	89			%		08/26/20	JJ	SW846-%Solid
Extraction for SVOA SIM	Completed					08/26/20	L/M	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for Pesticides	Completed					08/26/20	L/TH	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Mercury Digestion	Completed					08/27/20	VT/VT SW7471B
Soil Extraction for SVOA	Completed					08/26/20	B/A SW3546
Total Metals Digest	Completed					08/26/20	S/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1221	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1232	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1242	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1248	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1254	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1260	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1262	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A
PCB-1268	ND	74	74	ug/Kg	2	08/28/20	SC SW8082A

QA/QC Surrogates

% DCBP	90			%	2	08/28/20	SC 30 - 150 %
% DCBP (Confirmation)	89			%	2	08/28/20	SC 30 - 150 %
% TCMX	93			%	2	08/28/20	SC 30 - 150 %
% TCMX (Confirmation)	89			%	2	08/28/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.2	2.2	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDE	ND	2.2	2.2	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDT	ND	2.2	2.2	ug/Kg	2	08/27/20	CG SW8081B
a-BHC	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
a-Chlordane	ND	3.7	3.7	ug/Kg	2	08/27/20	CG SW8081B
Aldrin	ND	3.7	3.7	ug/Kg	2	08/27/20	CG SW8081B
b-BHC	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Chlordane	ND	37	37	ug/Kg	2	08/27/20	CG SW8081B
d-BHC	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Dieldrin	ND	3.7	3.7	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan I	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan II	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan sulfate	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Endrin	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Endrin aldehyde	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Endrin ketone	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	08/27/20	CG SW8081B
g-Chlordane	ND	3.7	3.7	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor epoxide	ND	7.4	7.4	ug/Kg	2	08/27/20	CG SW8081B
Methoxychlor	ND	37	37	ug/Kg	2	08/27/20	CG SW8081B
Toxaphene	ND	150	150	ug/Kg	2	08/27/20	CG SW8081B

QA/QC Surrogates

% DCBP	95			%	2	08/27/20	CG 30 - 150 %
% DCBP (Confirmation)	82			%	2	08/27/20	CG 30 - 150 %
% TCMX	78			%	2	08/27/20	CG 30 - 150 %
% TCMX (Confirmation)	75			%	2	08/27/20	CG 30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
<u>1,4-dioxane</u>							
1,4-dioxane	ND	80	43	ug/kg	1	08/27/20	JLI SW8260C
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2-Trichloroethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromoethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloroethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloropropane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,3-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
1,4-Dichlorobenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
2-Hexanone	ND	27	5.3	ug/Kg	1	08/27/20	JLI SW8260C
4-Methyl-2-pentanone	ND	27	5.3	ug/Kg	1	08/27/20	JLI SW8260C
Acetone	ND	27	5.3	ug/Kg	1	08/27/20	JLI SW8260C
Benzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Bromochloromethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Bromodichloromethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Bromoform	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Bromomethane	ND	5.3	2.1	ug/Kg	1	08/27/20	JLI SW8260C
Carbon Disulfide	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Carbon tetrachloride	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Chlorobenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Chloroethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Chloroform	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Chloromethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Cyclohexane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Dibromochloromethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Dichlorodifluoromethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Ethylbenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Isopropylbenzene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
m&p-Xylene	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methyl ethyl ketone	ND	32	5.3	ug/Kg	1	08/27/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methylacetate	ND	5.3	5.3	ug/Kg	1	08/27/20	JLI SW8260C
Methylcyclohexane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methylene chloride	ND	5.3	5.3	ug/Kg	1	08/27/20	JLI SW8260C
o-Xylene	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Styrene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Tetrachloroethene	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Toluene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Total Xylenes	ND	5.3	5.3	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Trichloroethene	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorofluoromethane	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Vinyl chloride	ND	5.3	0.53	ug/Kg	1	08/27/20	JLI SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	96			%	1	08/27/20	JLI 70 - 130 %
% Bromofluorobenzene	100			%	1	08/27/20	JLI 70 - 130 %
% Dibromofluoromethane	89			%	1	08/27/20	JLI 70 - 130 %
% Toluene-d8	104			%	1	08/27/20	JLI 70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	21	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Acrolein	ND	5.3	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Acrylonitrile	ND	21	0.53	ug/Kg	1	08/27/20	JLI SW8260C
Tert-butyl alcohol	ND	110	21	ug/Kg	1	08/27/20	JLI SW8260C

Volatile Library Search Top 10 Completed 08/27/20 JLI

1,4-Dioxane

1,4-dioxane	ND	74	74	ug/Kg	1	08/27/20	WB SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	56			%	1	08/27/20	WB 30 - 130 %
% Nitrobenzene-d5	84			%	1	08/27/20	WB 30 - 130 %
% Terphenyl-d14	84			%	1	08/27/20	WB 30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	08/27/20	AW SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/27/20	AW SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dimethylphenol	ND	260	91	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	08/27/20	AW SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
2-Chloronaphthalene	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
2-Chlorophenol	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
2-Methylnaphthalene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
2-Methylphenol (o-cresol)	ND	260	170	ug/Kg	1	08/27/20	AW SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
2-Nitrophenol	ND	260	230	ug/Kg	1	08/27/20	AW SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/27/20	AW SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	08/27/20	AW SW8270D
3-Nitroaniline	ND	740	260	ug/Kg	1	08/27/20	AW SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
4-Chloroaniline	ND	740	170	ug/Kg	1	08/27/20	AW SW8270D
4-Chlorophenyl phenyl ether	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthylene	ND	150	100	ug/Kg	1	08/27/20	AW SW8270D
Acetophenone	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Anthracene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Atrazine	ND	260	96	ug/Kg	1	08/27/20	AW SW8270D
Benz(a)anthracene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(a)pyrene	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(b)fluoranthene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
Benzo(ghi)perylene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(k)fluoranthene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Benzyl butyl phthalate	ND	260	95	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Caprolactam	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
Carbazole	ND	260	180	ug/Kg	1	08/27/20	AW SW8270D
Chrysene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Dibenz(a,h)anthracene	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
Dibenzofuran	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Dimethylphthalate	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Di-n-butylphthalate	ND	260	98	ug/Kg	1	08/27/20	AW SW8270D
Di-n-octylphthalate	ND	260	95	ug/Kg	1	08/27/20	AW SW8270D
Fluoranthene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Fluorene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	08/27/20	AW SW8270D
Indeno(1,2,3-cd)pyrene	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Isophorone	ND	150	100	ug/Kg	1	08/27/20	AW SW8270D
Naphthalene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodimethylamine	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	08/27/20	AW SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	08/27/20	AW SW8270D
Phenanthrene	ND	150	110	ug/Kg	1	08/27/20	AW SW8270D
Phenol	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Pyrene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	73			%	1	08/27/20	AW 30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
% 2-Fluorobiphenyl	76			%	1	08/27/20	AW 30 - 130 %
% 2-Fluorophenol	71			%	1	08/27/20	AW 30 - 130 %
% Nitrobenzene-d5	63			%	1	08/27/20	AW 30 - 130 %
% Phenol-d5	68			%	1	08/27/20	AW 30 - 130 %
% Terphenyl-d14	115			%	1	08/27/20	AW 30 - 130 %
SVOA Library Search Top 15	Completed					08/27/20	MR

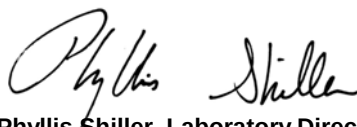
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

10:00
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62172

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: 19B8R (6-8)

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Aluminum	10800	40	8.0	mg/Kg	10	08/27/20	EK	SW6010D
Arsenic	3.17	0.80	0.80	mg/Kg	1	08/27/20	EK	SW6010D
Barium	55.1	0.8	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Beryllium	0.48	0.32	0.16	mg/Kg	1	08/27/20	EK	SW6010D
Calcium	775	4.0	3.7	mg/Kg	1	08/27/20	EK	SW6010D
Cadmium	0.92	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Cobalt	7.50	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Chromium	18.4	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Copper	20.5	0.8	0.40	mg/kg	1	08/27/20	EK	SW6010D
Iron	24700	40	40	mg/Kg	10	08/27/20	EK	SW6010D
Mercury	0.04	0.03	0.02	mg/Kg	2	08/27/20	MGH	SW7471B
Potassium	941	N 8	3.1	mg/Kg	1	08/27/20	EK	SW6010D
Magnesium	2860	4.0	4.0	mg/Kg	1	08/27/20	EK	SW6010D
Manganese	275	N 4.0	4.0	mg/Kg	10	08/27/20	EK	SW6010D
Sodium	86	N 8	3.4	mg/Kg	1	08/27/20	EK	SW6010D
Nickel	20.2	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Lead	127	0.8	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Antimony	ND	4.0	4.0	mg/Kg	1	08/27/20	EK	SW6010D
Selenium	ND	1.6	1.4	mg/Kg	1	08/27/20	EK	SW6010D
Thallium	ND	1.6	1.6	mg/Kg	1	08/27/20	EK	SW6010D
Vanadium	31.7	0.40	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Zinc	40.9	* 0.8	0.40	mg/Kg	1	08/27/20	EK	SW6010D
Percent Solid	88			%		08/26/20	JJ	SW846-%Solid
Extraction for SVOA SIM	Completed					08/26/20	L/M	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/TH	SW3545A
Soil Extraction for Pesticides	Completed					08/26/20	L/TH	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Mercury Digestion	Completed					08/27/20	VT/VT SW7471B
Soil Extraction for SVOA	Completed					08/26/20	B/A SW3546
Total Metals Digest	Completed					08/26/20	S/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1221	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1232	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1242	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1248	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1254	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1260	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1262	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A
PCB-1268	ND	75	75	ug/Kg	2	08/27/20	SC SW8082A

QA/QC Surrogates

% DCBP	123			%	2	08/27/20	SC 30 - 150 %
% DCBP (Confirmation)	114			%	2	08/27/20	SC 30 - 150 %
% TCMX	101			%	2	08/27/20	SC 30 - 150 %
% TCMX (Confirmation)	100			%	2	08/27/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.3	2.3	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDE	ND	2.3	2.3	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDT	ND	2.3	2.3	ug/Kg	2	08/27/20	CG SW8081B
a-BHC	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
a-Chlordane	ND	3.8	3.8	ug/Kg	2	08/27/20	CG SW8081B
Aldrin	ND	3.8	3.8	ug/Kg	2	08/27/20	CG SW8081B
b-BHC	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Chlordane	ND	38	38	ug/Kg	2	08/27/20	CG SW8081B
d-BHC	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Dieldrin	ND	3.8	3.8	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan I	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan II	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan sulfate	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Endrin	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Endrin aldehyde	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Endrin ketone	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
g-BHC	ND	1.5	1.5	ug/Kg	2	08/27/20	CG SW8081B
g-Chlordane	ND	3.8	3.8	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor epoxide	ND	7.5	7.5	ug/Kg	2	08/27/20	CG SW8081B
Methoxychlor	ND	38	38	ug/Kg	2	08/27/20	CG SW8081B
Toxaphene	ND	150	150	ug/Kg	2	08/27/20	CG SW8081B

QA/QC Surrogates

% DCBP	94			%	2	08/27/20	CG 30 - 150 %
% DCBP (Confirmation)	74			%	2	08/27/20	CG 30 - 150 %
% TCMX	83			%	2	08/27/20	CG 30 - 150 %
% TCMX (Confirmation)	74			%	2	08/27/20	CG 30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	
<u>1,4-dioxane</u>								
1,4-dioxane	ND	78	41	ug/kg	1	08/27/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
2-Hexanone	ND	26	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	26	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
Acetone	ND	26	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
Benzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Bromochloromethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Bromodichloromethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Bromoform	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Bromomethane	ND	5.2	2.1	ug/Kg	1	08/27/20	JLI	SW8260C
Carbon Disulfide	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Carbon tetrachloride	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Chlorobenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Chloroethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Chloroform	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Chloromethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
cis-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
cis-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Cyclohexane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Dibromochloromethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Dichlorodifluoromethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Ethylbenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Isopropylbenzene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
m&p-Xylene	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Methyl ethyl ketone	ND	31	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Methylacetate	ND	5.2	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
Methylcyclohexane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Methylene chloride	ND	5.2	5.2	ug/Kg	1	08/27/20	JLI	SW8260C
o-Xylene	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Styrene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C
Tetrachloroethene	2.5	J 5.2	1.0	ug/Kg	1	08/27/20	JLI	SW8260C
Toluene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Total Xylenes	ND	5.2	5.2	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI SW8260C
Trichloroethene	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorofluoromethane	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI SW8260C
Vinyl chloride	ND	5.2	0.52	ug/Kg	1	08/27/20	JLI SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	96			%	1	08/27/20	JLI 70 - 130 %
% Bromofluorobenzene	97			%	1	08/27/20	JLI 70 - 130 %
% Dibromofluoromethane	88			%	1	08/27/20	JLI 70 - 130 %
% Toluene-d8	103			%	1	08/27/20	JLI 70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	21	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Acrolein	ND	5.2	1.0	ug/Kg	1	08/27/20	JLI SW8260C
Acrylonitrile	ND	21	0.52	ug/Kg	1	08/27/20	JLI SW8260C
Tert-butyl alcohol	ND	100	21	ug/Kg	1	08/27/20	JLI SW8260C

Volatile Library Search Top 10 Completed 08/27/20 JLI

1,4-Dioxane

1,4-dioxane	ND	74	74	ug/Kg	1	08/27/20	WB SW8270D (SIM)

QA/QC Surrogates

% 2-Fluorobiphenyl	56			%	1	08/27/20	WB 30 - 130 %
% Nitrobenzene-d5	86			%	1	08/27/20	WB 30 - 130 %
% Terphenyl-d14	84			%	1	08/27/20	WB 30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
1,2,4,5-Tetrachlorobenzene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
2,3,4,6-tetrachlorophenol	ND	260	170	ug/Kg	1	08/27/20	AW SW8270D
2,4,5-Trichlorophenol	ND	260	200	ug/Kg	1	08/27/20	AW SW8270D
2,4,6-Trichlorophenol	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dichlorophenol	ND	150	130	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dimethylphenol	ND	260	92	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrophenol	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrotoluene	ND	150	150	ug/Kg	1	08/27/20	AW SW8270D
2,6-Dinitrotoluene	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
2-Chloronaphthalene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
2-Chlorophenol	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
2-Methylnaphthalene	200	J 260	110	ug/Kg	1	08/27/20	AW SW8270D
2-Methylphenol (o-cresol)	ND	260	180	ug/Kg	1	08/27/20	AW SW8270D
2-Nitroaniline	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
2-Nitrophenol	ND	260	240	ug/Kg	1	08/27/20	AW SW8270D
3&4-Methylphenol (m&p-cresol)	ND	260	150	ug/Kg	1	08/27/20	AW SW8270D
3,3'-Dichlorobenzidine	ND	150	150	ug/Kg	1	08/27/20	AW SW8270D
3-Nitroaniline	ND	750	260	ug/Kg	1	08/27/20	AW SW8270D
4,6-Dinitro-2-methylphenol	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
4-Bromophenyl phenyl ether	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
4-Chloro-3-methylphenol	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
4-Chloroaniline	ND	750	170	ug/Kg	1	08/27/20	AW SW8270D
4-Chlorophenyl phenyl ether	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
4-Nitroaniline	ND	1900	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitrophenol	ND	260	170	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthene	520	260	110	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthylene	130	J 150	100	ug/Kg	1	08/27/20	AW SW8270D
Acetophenone	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Anthracene	1000	260	120	ug/Kg	1	08/27/20	AW SW8270D
Atrazine	ND	260	97	ug/Kg	1	08/27/20	AW SW8270D
Benz(a)anthracene	1800	260	130	ug/Kg	1	08/27/20	AW SW8270D
Benzaldehyde	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(a)pyrene	1500	150	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(b)fluoranthene	1200	260	130	ug/Kg	1	08/27/20	AW SW8270D
Benzo(ghi)perylene	560	260	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(k)fluoranthene	1400	260	120	ug/Kg	1	08/27/20	AW SW8270D
Benzyl butyl phthalate	ND	260	96	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethoxy)methane	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethyl)ether	ND	150	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroisopropyl)ether	ND	260	100	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-ethylhexyl)phthalate	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Caprolactam	ND	260	260	ug/Kg	1	08/27/20	AW SW8270D
Carbazole	480	260	190	ug/Kg	1	08/27/20	AW SW8270D
Chrysene	1700	260	130	ug/Kg	1	08/27/20	AW SW8270D
Dibenz(a,h)anthracene	190	150	120	ug/Kg	1	08/27/20	AW SW8270D
Dibenzofuran	480	260	110	ug/Kg	1	08/27/20	AW SW8270D
Diethyl phthalate	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Dimethylphthalate	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Di-n-butylphthalate	ND	260	99	ug/Kg	1	08/27/20	AW SW8270D
Di-n-octylphthalate	ND	260	96	ug/Kg	1	08/27/20	AW SW8270D
Fluoranthene	4400	260	120	ug/Kg	1	08/27/20	AW SW8270D
Fluorene	600	260	120	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobenzene	ND	150	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobutadiene	ND	260	130	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorocyclopentadiene	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachloroethane	ND	150	110	ug/Kg	1	08/27/20	AW SW8270D
Indeno(1,2,3-cd)pyrene	720	260	120	ug/Kg	1	08/27/20	AW SW8270D
Isophorone	ND	150	100	ug/Kg	1	08/27/20	AW SW8270D
Naphthalene	320	260	110	ug/Kg	1	08/27/20	AW SW8270D
Nitrobenzene	ND	150	130	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodimethylamine	ND	260	110	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodi-n-propylamine	ND	150	120	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodiphenylamine	ND	150	140	ug/Kg	1	08/27/20	AW SW8270D
Pentachlorophenol	ND	260	140	ug/Kg	1	08/27/20	AW SW8270D
Phenanthrene	4000	150	110	ug/Kg	1	08/27/20	AW SW8270D
Phenol	ND	260	120	ug/Kg	1	08/27/20	AW SW8270D
Pyrene	4200	260	130	ug/Kg	1	08/27/20	AW SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	72			%	1	08/27/20	AW 30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
% 2-Fluorobiphenyl	76			%	1	08/27/20	AW 30 - 130 %
% 2-Fluorophenol	68			%	1	08/27/20	AW 30 - 130 %
% Nitrobenzene-d5	66			%	1	08/27/20	AW 30 - 130 %
% Phenol-d5	68			%	1	08/27/20	AW 30 - 130 %
% Terphenyl-d14	120			%	1	08/27/20	AW 30 - 130 %
SVOA Library Search Top 15	Completed					08/27/20	MR

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62173

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: 8-24 DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Aluminum	8260	38	7.7	mg/Kg	10	08/27/20	EK	SW6010D
Arsenic	3.27	0.77	0.77	mg/Kg	1	08/27/20	EK	SW6010D
Barium	76.2	0.8	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Beryllium	0.31	0.31	0.15	mg/Kg	1	08/27/20	EK	SW6010D
Calcium	26200	38	35	mg/Kg	10	08/27/20	EK	SW6010D
Cadmium	0.97	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Cobalt	7.40	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Chromium	17.3	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Copper	35.2	0.8	0.38	mg/kg	1	08/27/20	EK	SW6010D
Iron	19700	38	38	mg/Kg	10	08/27/20	EK	SW6010D
Mercury	0.15	0.03	0.02	mg/Kg	2	08/27/20	MGH	SW7471B
Potassium	1240	N 8	3.0	mg/Kg	1	08/27/20	EK	SW6010D
Magnesium	12800	38	38	mg/Kg	10	08/27/20	EK	SW6010D
Manganese	349	N 3.8	3.8	mg/Kg	10	08/27/20	EK	SW6010D
Sodium	520	N 8	3.3	mg/Kg	1	08/27/20	EK	SW6010D
Nickel	17.5	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Lead	115	0.8	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Antimony	ND	3.8	3.8	mg/Kg	1	08/27/20	EK	SW6010D
Selenium	ND	1.5	1.3	mg/Kg	1	08/27/20	EK	SW6010D
Thallium	ND	1.5	1.5	mg/Kg	1	08/27/20	EK	SW6010D
Vanadium	42.3	0.38	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Zinc	118	* 0.8	0.38	mg/Kg	1	08/27/20	EK	SW6010D
Percent Solid	93			%		08/26/20	JJ	SW846-%Solid
Extraction for SVOA SIM	Completed					08/26/20	L/M	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/E	SW3545A
Soil Extraction for PCB	Completed					08/26/20	L/E	SW3545A
Soil Extraction for Pesticides	Completed					08/26/20	L/E	SW3545A

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Mercury Digestion	Completed					08/27/20	VT/VT SW7471B
Soil Extraction for SVOA	Completed					08/26/20	B/A SW3546
Total Metals Digest	Completed					08/26/20	S/AG/BF SW3050B

Polychlorinated Biphenyls

PCB-1016	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1221	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1232	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1242	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1248	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1254	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1260	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1262	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A
PCB-1268	ND	71	71	ug/Kg	2	08/27/20	SC SW8082A

QA/QC Surrogates

% DCBP	70			%	2	08/27/20	SC 30 - 150 %
% DCBP (Confirmation)	65			%	2	08/27/20	SC 30 - 150 %
% TCMX	81			%	2	08/27/20	SC 30 - 150 %
% TCMX (Confirmation)	79			%	2	08/27/20	SC 30 - 150 %

Pesticides - Soil

4,4' -DDD	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDE	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
4,4' -DDT	ND	2.1	2.1	ug/Kg	2	08/27/20	CG SW8081B
a-BHC	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
a-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Aldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
b-BHC	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Chlordane	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
d-BHC	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Dieldrin	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan I	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan II	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Endosulfan sulfate	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Endrin	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Endrin aldehyde	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Endrin ketone	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
g-BHC	ND	1.4	1.4	ug/Kg	2	08/27/20	CG SW8081B
g-Chlordane	ND	3.5	3.5	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Heptachlor epoxide	ND	7.1	7.1	ug/Kg	2	08/27/20	CG SW8081B
Methoxychlor	ND	35	35	ug/Kg	2	08/27/20	CG SW8081B
Toxaphene	ND	140	140	ug/Kg	2	08/27/20	CG SW8081B

QA/QC Surrogates

% DCBP	81			%	2	08/27/20	CG 30 - 150 %
% DCBP (Confirmation)	61			%	2	08/27/20	CG 30 - 150 %
% TCMX	66			%	2	08/27/20	CG 30 - 150 %
% TCMX (Confirmation)	60			%	2	08/27/20	CG 30 - 150 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
<u>1,4-dioxane</u>							
1,4-dioxane	ND	84	45	ug/kg	1	08/27/20	JLI SW8260C
<u>Volatiles</u>							
1,1,1-Trichloroethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2,2-Tetrachloroethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1,2-Trichloroethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,1-Dichloroethene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,2,3-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2,4-Trichlorobenzene	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromo-3-chloropropane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dibromoethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloroethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,2-Dichloropropane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
1,3-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
1,4-Dichlorobenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
2-Hexanone	ND	28	5.6	ug/Kg	1	08/27/20	JLI SW8260C
4-Methyl-2-pentanone	ND	28	5.6	ug/Kg	1	08/27/20	JLI SW8260C
Acetone	ND	28	5.6	ug/Kg	1	08/27/20	JLI SW8260C
Benzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Bromochloromethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Bromodichloromethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Bromoform	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Bromomethane	ND	5.6	2.2	ug/Kg	1	08/27/20	JLI SW8260C
Carbon Disulfide	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Carbon tetrachloride	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Chlorobenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Chloroethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Chloroform	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Chloromethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Cyclohexane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Dibromochloromethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Dichlorodifluoromethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Ethylbenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Isopropylbenzene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
m&p-Xylene	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methyl ethyl ketone	ND	34	5.6	ug/Kg	1	08/27/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	11	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methylacetate	ND	5.6	5.6	ug/Kg	1	08/27/20	JLI SW8260C
Methylcyclohexane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Methylene chloride	ND	5.6	5.6	ug/Kg	1	08/27/20	JLI SW8260C
o-Xylene	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Styrene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Tetrachloroethene	2.1	J 5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Toluene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Total Xylenes	ND	5.6	5.6	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Trichloroethene	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorofluoromethane	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Vinyl chloride	ND	5.6	0.56	ug/Kg	1	08/27/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	96			%	1	08/27/20	JLI 70 - 130 %
% Bromofluorobenzene	91			%	1	08/27/20	JLI 70 - 130 %
% Dibromofluoromethane	90			%	1	08/27/20	JLI 70 - 130 %
% Toluene-d8	99			%	1	08/27/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	22	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Acrolein	ND	5.6	1.1	ug/Kg	1	08/27/20	JLI SW8260C
Acrylonitrile	ND	22	0.56	ug/Kg	1	08/27/20	JLI SW8260C
Tert-butyl alcohol	ND	110	22	ug/Kg	1	08/27/20	JLI SW8260C
Volatile Library Search Top 10	Completed					08/27/20	JLI
<u>1,4-Dioxane</u>							
1,4-dioxane	ND	70	70	ug/Kg	1	08/27/20	WB SW8270D (SIM)
<u>QA/QC Surrogates</u>							
% 2-Fluorobiphenyl	56			%	1	08/27/20	WB 30 - 130 %
% Nitrobenzene-d5	92			%	1	08/27/20	WB 30 - 130 %
% Terphenyl-d14	70			%	1	08/27/20	WB 30 - 130 %
<u>Semivolatiles</u>							
1,1-Biphenyl	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
1,2,4,5-Tetrachlorobenzene	ND	250	120	ug/Kg	1	08/27/20	AW SW8270D
2,3,4,6-tetrachlorophenol	ND	250	160	ug/Kg	1	08/27/20	AW SW8270D
2,4,5-Trichlorophenol	ND	250	190	ug/Kg	1	08/27/20	AW SW8270D
2,4,6-Trichlorophenol	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dichlorophenol	ND	140	120	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dimethylphenol	ND	250	87	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrophenol	ND	250	250	ug/Kg	1	08/27/20	AW SW8270D
2,4-Dinitrotoluene	ND	140	140	ug/Kg	1	08/27/20	AW SW8270D
2,6-Dinitrotoluene	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
2-Chloronaphthalene	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
2-Chlorophenol	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
2-Methylnaphthalene	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
2-Methylphenol (o-cresol)	ND	250	160	ug/Kg	1	08/27/20	AW SW8270D
2-Nitroaniline	ND	250	250	ug/Kg	1	08/27/20	AW SW8270D
2-Nitrophenol	ND	250	220	ug/Kg	1	08/27/20	AW SW8270D
3&4-Methylphenol (m&p-cresol)	ND	250	140	ug/Kg	1	08/27/20	AW SW8270D
3,3'-Dichlorobenzidine	ND	140	140	ug/Kg	1	08/27/20	AW SW8270D
3-Nitroaniline	ND	700	250	ug/Kg	1	08/27/20	AW SW8270D
4,6-Dinitro-2-methylphenol	ND	250	250	ug/Kg	1	08/27/20	AW SW8270D
4-Bromophenyl phenyl ether	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
4-Chloro-3-methylphenol	ND	250	120	ug/Kg	1	08/27/20	AW SW8270D
4-Chloroaniline	ND	700	160	ug/Kg	1	08/27/20	AW SW8270D
4-Chlorophenyl phenyl ether	ND	250	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitroaniline	ND	1800	120	ug/Kg	1	08/27/20	AW SW8270D
4-Nitrophenol	ND	250	160	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthene	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Acenaphthylene	110	J 140	98	ug/Kg	1	08/27/20	AW SW8270D
Acetophenone	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Anthracene	180	J 250	120	ug/Kg	1	08/27/20	AW SW8270D
Atrazine	ND	250	91	ug/Kg	1	08/27/20	AW SW8270D
Benz(a)anthracene	740	250	120	ug/Kg	1	08/27/20	AW SW8270D
Benzaldehyde	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
Benzo(a)pyrene	860	140	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(b)fluoranthene	840	250	120	ug/Kg	1	08/27/20	AW SW8270D
Benzo(ghi)perylene	490	250	110	ug/Kg	1	08/27/20	AW SW8270D
Benzo(k)fluoranthene	580	250	120	ug/Kg	1	08/27/20	AW SW8270D
Benzyl butyl phthalate	ND	250	91	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethoxy)methane	ND	250	97	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroethyl)ether	ND	140	95	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-chloroisopropyl)ether	ND	250	98	ug/Kg	1	08/27/20	AW SW8270D
Bis(2-ethylhexyl)phthalate	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
Caprolactam	ND	250	250	ug/Kg	1	08/27/20	AW SW8270D
Carbazole	ND	250	180	ug/Kg	1	08/27/20	AW SW8270D
Chrysene	830	250	120	ug/Kg	1	08/27/20	AW SW8270D
Dibenz(a,h)anthracene	130	J 140	110	ug/Kg	1	08/27/20	AW SW8270D
Dibenzofuran	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
Diethyl phthalate	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Dimethylphthalate	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Di-n-butylphthalate	ND	250	93	ug/Kg	1	08/27/20	AW SW8270D
Di-n-octylphthalate	ND	250	91	ug/Kg	1	08/27/20	AW SW8270D
Fluoranthene	2000	250	110	ug/Kg	1	08/27/20	AW SW8270D
Fluorene	ND	250	120	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobenzene	ND	140	100	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorobutadiene	ND	250	130	ug/Kg	1	08/27/20	AW SW8270D
Hexachlorocyclopentadiene	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Hexachloroethane	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
Indeno(1,2,3-cd)pyrene	540	250	120	ug/Kg	1	08/27/20	AW SW8270D
Isophorone	ND	140	98	ug/Kg	1	08/27/20	AW SW8270D
Naphthalene	ND	250	100	ug/Kg	1	08/27/20	AW SW8270D
Nitrobenzene	ND	140	120	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodimethylamine	ND	250	99	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodi-n-propylamine	ND	140	110	ug/Kg	1	08/27/20	AW SW8270D
N-Nitrosodiphenylamine	ND	140	130	ug/Kg	1	08/27/20	AW SW8270D
Pentachlorophenol	ND	250	130	ug/Kg	1	08/27/20	AW SW8270D
Phenanthrene	730	140	100	ug/Kg	1	08/27/20	AW SW8270D
Phenol	ND	250	110	ug/Kg	1	08/27/20	AW SW8270D
Pyrene	2000	250	120	ug/Kg	1	08/27/20	AW SW8270D
<u>QA/QC Surrogates</u>							
% 2,4,6-Tribromophenol	65			%	1	08/27/20	AW 30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
% 2-Fluorobiphenyl	69			%	1	08/27/20	AW 30 - 130 %
% 2-Fluorophenol	68			%	1	08/27/20	AW 30 - 130 %
% Nitrobenzene-d5	62			%	1	08/27/20	AW 30 - 130 %
% Phenol-d5	66			%	1	08/27/20	AW 30 - 130 %
% Terphenyl-d14	114			%	1	08/27/20	AW 30 - 130 %
SVOA Library Search Top 15	Completed					08/27/20	MR

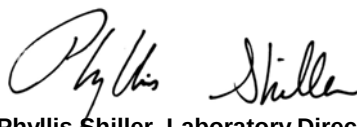
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Please be advised that the NY 375 soil criteria for chromium are based on hexavalent chromium and trivalent chromium.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200.
The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

8:10
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62176

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	3800	2000	ug/kg	50	08/26/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,1-Dichloroethane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,1-Dichloroethene	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,2-Dibromoethane	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,2-Dichloroethane	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,2-Dichloropropane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
2-Hexanone	ND	1300	250	ug/Kg	50	08/26/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	1300	250	ug/Kg	50	08/26/20	JLI	SW8260C
Acetone	ND	1300	250	ug/Kg	50	08/26/20	JLI	SW8260C
Benzene	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
Bromochloromethane	ND	250	25	ug/Kg	50	08/26/20	JLI	SW8260C
Bromodichloromethane	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
Bromoform	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C
Bromomethane	ND	250	100	ug/Kg	50	08/26/20	JLI	SW8260C
Carbon Disulfide	ND	250	50	ug/Kg	50	08/26/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Carbon tetrachloride	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Chlorobenzene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Chloroethane	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Chloroform	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Chloromethane	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Cyclohexane	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Dibromochloromethane	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Dichlorodifluoromethane	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Ethylbenzene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Isopropylbenzene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
m&p-Xylene	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Methyl ethyl ketone	ND	1500	250	ug/Kg	50	08/26/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	500	50	ug/Kg	50	08/26/20	JLI SW8260C
Methylacetate	ND	250	250	ug/Kg	50	08/26/20	JLI SW8260C
Methylcyclohexane	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Methylene chloride	ND	250	250	ug/Kg	50	08/26/20	JLI SW8260C
o-Xylene	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Styrene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Tetrachloroethene	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Toluene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Total Xylenes	ND	250	250	ug/Kg	50	08/26/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Trichloroethene	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Trichlorofluoromethane	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Trichlorotrifluoroethane	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
Vinyl chloride	ND	250	25	ug/Kg	50	08/26/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4 (50x)	96			%	50	08/26/20	JLI 70 - 130 %
% Bromofluorobenzene (50x)	101			%	50	08/26/20	JLI 70 - 130 %
% Dibromofluoromethane (50x)	87			%	50	08/26/20	JLI 70 - 130 %
% Toluene-d8 (50x)	105			%	50	08/26/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	1000	50	ug/Kg	50	08/26/20	JLI SW8260C
Acrolein	ND	250	50	ug/Kg	50	08/26/20	JLI SW8260C
Acrylonitrile	ND	1000	25	ug/Kg	50	08/26/20	JLI SW8260C
Tert-butyl alcohol	ND	5000	1000	ug/Kg	50	08/26/20	JLI SW8260C
Volatile Library Search Top 10	Completed					08/27/20	JLI

Client ID: TRIP BLANK HL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

September 14, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: SOIL
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by: TG
Received by: SW
Analyzed by: see "By" below

Date

08/24/20
08/26/20

Time

8:10
15:27

Laboratory Data

SDG ID: GCG62169
Phoenix ID: CG62177

Project ID: 1015 ATLANTIC AVENUE BROOKLYN NY
Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	75	40	ug/kg	1	08/26/20	JLI	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,1,2-Trichloroethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,1-Dichloroethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,1-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,2-Dibromo-3-chloropropane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,2-Dibromoethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,2-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,2-Dichloroethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,2-Dichloropropane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
1,3-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
1,4-Dichlorobenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
2-Hexanone	ND	25	5.0	ug/Kg	1	08/26/20	JLI	SW8260C
4-Methyl-2-pentanone	ND	25	5.0	ug/Kg	1	08/26/20	JLI	SW8260C
Acetone	8.8	JS 25	5.0	ug/Kg	1	08/26/20	JLI	SW8260C
Benzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
Bromochloromethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI	SW8260C
Bromodichloromethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
Bromoform	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C
Bromomethane	ND	5.0	2.0	ug/Kg	1	08/26/20	JLI	SW8260C
Carbon Disulfide	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By
Carbon tetrachloride	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Chlorobenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Chloroethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Chloroform	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Chloromethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
cis-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
cis-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Cyclohexane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Dibromochloromethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Dichlorodifluoromethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Ethylbenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Isopropylbenzene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
m&p-Xylene	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Methyl ethyl ketone	ND	30	5.0	ug/Kg	1	08/26/20	JLI SW8260C
Methyl t-butyl ether (MTBE)	ND	10	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Methylacetate	ND	5.0	5.0	ug/Kg	1	08/26/20	JLI SW8260C
Methylcyclohexane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Methylene chloride	ND	5.0	5.0	ug/Kg	1	08/26/20	JLI SW8260C
o-Xylene	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Styrene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Tetrachloroethene	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Toluene	0.92	J 5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Total Xylenes	ND	5.0	5.0	ug/Kg	1	08/26/20	JLI SW8260C
trans-1,2-Dichloroethene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
trans-1,3-Dichloropropene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Trichloroethene	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Trichlorofluoromethane	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Trichlorotrifluoroethane	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Vinyl chloride	ND	5.0	0.50	ug/Kg	1	08/26/20	JLI SW8260C
<u>QA/QC Surrogates</u>							
% 1,2-dichlorobenzene-d4	95			%	1	08/26/20	JLI 70 - 130 %
% Bromofluorobenzene	100			%	1	08/26/20	JLI 70 - 130 %
% Dibromofluoromethane	87			%	1	08/26/20	JLI 70 - 130 %
% Toluene-d8	104			%	1	08/26/20	JLI 70 - 130 %
<u>Volatiles</u>							
1,1,1,2-Tetrachloroethane	ND	20	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Acrolein	ND	5.0	1.0	ug/Kg	1	08/26/20	JLI SW8260C
Acrylonitrile	ND	20	0.50	ug/Kg	1	08/26/20	JLI SW8260C
Tert-butyl alcohol	ND	100	20	ug/Kg	1	08/26/20	JLI SW8260C
Volatile Library Search Top 10	Completed					08/27/20	JLI

Client ID: TRIP BLANK LL

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Results are reported on an ``as received`` basis, and are not corrected for dry weight.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

September 14, 2020

Reviewed and Released by: Maryam Taylor, Project Manager

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCG62169

Matrix:(soil/water) SOIL

Lab Sample ID: CG62173

Sample wt/vol: 4.82 (g/mL) g

Lab File ID: 0826_41.D

Level: (low/med) Low

Date Received: 08/26/20

% Moisture: not dec.	7

Date Analyzed: 08/27/20

GC Column: RTX-VMS ID: 0.18mm

Dilution Factor: 1

Purge Volume: 5000 (uL)

Soil Aliquot Vol (uL): 5000

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/Kg

[illegible]

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client:

Lab Code: Phoenix Case No.:

SAS No.: SDG No.:

Matrix:(soil/water) Soil

Lab Sample ID: CG62169 BLK

Sample wt/vol: 15 (g/mL) g

Lab File ID: 0826_20.D

Level: (low/med) Low

Date Received: 08/26/20

% Moisture: not dec. n.a. decanted:(Y/N) NA

Date Extracted: 08/26/20

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 8/26/2020

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 3 (ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

CLIENT ID

19B3R (0-4)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCG62169

Matrix:(soil/water) SOIL

Lab Sample ID: CG62169

Sample wt/vol: 15.15 (g/mL) g

Lab File ID: 0826_25.D

Level: (low/med) Low

Date Received: 08/26/20

% Moisture: not dec. 6 decanted:(Y/N) NA

Date Extracted: 08/26/20

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 8/26/2020

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 10

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

CLIENT ID

19B7R (6-8)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCG62169

Matrix:(soil/water) SOIL

Lab Sample ID: CG62171

Sample wt/vol: 15.23 (g/mL) g

Lab File ID: 0826_27.D

Level: (low/med) Low

Date Received: 08/26/20

% Moisture: not dec. 11 decanted:(Y/N) NA

Date Extracted: 08/27/20

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 8/27/2020

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 2

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

CLIENT ID

19B8R (6-8)

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCG62169

Matrix:(soil/water) SOIL

Lab Sample ID: CG62172

Sample wt/vol: 15.25 (g/mL) g

Lab File ID: 0826_28.D

Level: (low/med) Low

Date Received: 08/26/20

% Moisture: not dec. 12 decanted:(Y/N) NA

Date Extracted: 08/27/20

GPC Cleanup (Y/N): N pH: NA

Date Analyzed: 8/27/2020

Conc. Extract Volume: 1000 (uL)

Dilution Factor 1

Injection Volume: 1 (uL)

CONCENTRATION UNITS:

Number TICs found: 14

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.

CLIENT ID

8-24 DUPLICATE

Client: EBC

SAS No.:

SDG No.: GCG62169

Lab Sample ID: CG62173

Lab File ID: 0826_29.D

Date Received: 08/26/20

Date Extracted: 08/27/20

Date Analyzed: 8/27/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/Kg

[illegible]

FORM I SEMVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product.

Aldol condensation products are produced during the extraction process.

C - Indicates that the tentatively identified compound is a suspected prep artifact produced during extraction process.



Environmental Laboratories, Inc.
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Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

September 14, 2020

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 543059 (mg/kg), QC Sample No: CG62169 2X (CG62169, CG62170, CG62171, CG62172, CG62173)													
Mercury - Soil	BRL	0.03	0.14	0.15	6.90	104	101	2.9	104	111	6.5	75 - 125	30
QA/QC Batch 543009 (mg/kg), QC Sample No: CG62169 (CG62169, CG62170, CG62171, CG62172, CG62173)													
<u>ICP Metals - Soil</u>													
Aluminum	BRL	5.0	7720	7940	2.80	99.2	98.8	0.4	NC	NC	NC	80 - 120	30
Antimony	BRL	3.3	<3.2	<3.7	NC	103	104	1.0	98.1	99.3	1.2	70 - 130	30
Arsenic	BRL	0.67	2.63	2.79	NC	98.1	99.1	1.0	97.9	98.9	1.0	80 - 120	30
Barium	BRL	0.33	68.3	74.5	8.70	101	99.4	1.6	108	117	8.0	80 - 120	30
Beryllium	BRL	0.27	0.30	0.32	NC	97.7	97.2	0.5	96.8	98.0	1.2	80 - 120	30
Cadmium	BRL	0.33	1.06	0.91	NC	97.0	94.8	2.3	95.6	96.1	0.5	80 - 120	30
Calcium	BRL	5.0	15600	19800	23.7	94.0	90.3	4.0	NC	NC	NC	80 - 120	30
Chromium	BRL	0.33	16.7	17.8	6.40	97.7	97.8	0.1	102	99.1	2.9	80 - 120	30
Cobalt	BRL	0.33	6.33	6.36	0.50	101	98.3	2.7	96.5	95.5	1.0	80 - 120	30
Copper	BRL	0.67	30.2	27.5	9.40	96.1	93.9	2.3	112	96.6	14.8	80 - 120	30
Iron	BRL	6.7	20400	18700	8.70	103	102	1.0	NC	NC	NC	80 - 120	30
Lead	BRL	0.33	105	121	14.2	99.4	95.7	3.8	97.7	101	3.3	80 - 120	30
Magnesium	BRL	5.0	7350	9200	22.4	105	103	1.9	NC	NC	NC	80 - 120	30
Manganese	BRL	0.33	345 N	339	1.80	117	96.1	19.6	>130	83.5	NC	80 - 120	30 m
Nickel	BRL	0.33	18.6	17.9	3.80	103	100	3.0	96.7	95.3	1.5	80 - 120	30
Potassium	BRL	5.0	1160 N	1200	3.40	104	107	2.8	>130	>130	NC	80 - 120	30 m
Selenium	BRL	1.3	<1.3	<1.5	NC	105	103	1.9	98.8	101	2.2	80 - 120	30
Silver	BRL	0.33	<0.32	<0.37	NC	92.1	89.3	3.1	96.3	96.9	0.6	70 - 130	30
Sodium	BRL	5.0	432 N	468	8.00	92.5	85.3	8.1	>130	120	NC	80 - 120	30 m
Thallium	BRL	3.0	<1.3	<3.4	NC	99.5	101	1.5	93.8	94.6	0.8	80 - 120	30
Vanadium	BRL	0.33	30.2	29.5	2.30	100	99.6	0.4	105	98.9	6.0	80 - 120	30
Zinc	BRL	0.67	389 *	145	91.4	99.4	96.7	2.8	NC	NC	NC	80 - 120	30 r

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.



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QA/QC Report

September 14, 2020

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 542937 (ug/Kg), QC Sample No: CG62169 2X (CG62169, CG62170, CG62171, CG62172, CG62173)										
Polychlorinated Biphenyls - Soil										
PCB-1016	ND	33	54	67	21.5	69	56	20.8	40 - 140	30
PCB-1221	ND	33							40 - 140	30
PCB-1232	ND	33							40 - 140	30
PCB-1242	ND	33							40 - 140	30
PCB-1248	ND	33							40 - 140	30
PCB-1254	ND	33							40 - 140	30
PCB-1260	ND	33	68	84	21.1	71	57	21.9	40 - 140	30
PCB-1262	ND	33							40 - 140	30
PCB-1268	ND	33							40 - 140	30
% DCBP (Surrogate Rec)	84	%	75	94	22.5	75	61	20.6	30 - 150	30
% DCBP (Surrogate Rec) (Confirm)	81	%	77	96	22.0	76	59	25.2	30 - 150	30
% TCMX (Surrogate Rec)	75	%	66	85	25.2	77	65	16.9	30 - 150	30
% TCMX (Surrogate Rec) (Confirm)	81	%	76	96	23.3	88	70	22.8	30 - 150	30
QA/QC Batch 542938 (ug/Kg), QC Sample No: CG62169 2X (CG62169, CG62170, CG62171, CG62172, CG62173)										
Pesticides - Soil										
4,4' -DDD	ND	1.7	77	82	6.3	57	45	23.5	40 - 140	30
4,4' -DDE	ND	1.7	70	79	12.1	55	48	13.6	40 - 140	30
4,4' -DDT	ND	1.7	74	78	5.3	56	46	19.6	40 - 140	30
a-BHC	ND	1.0	61	64	4.8	55	48	13.6	40 - 140	30
a-Chlordane	ND	3.3	75	80	6.5	59	52	12.6	40 - 140	30
Aldrin	ND	1.0	65	69	6.0	59	42	33.7	40 - 140	30
b-BHC	ND	1.0	92	100	8.3	89	90	1.1	40 - 140	30
Chlordane	ND	3.3	71	76	6.8	57	48	17.1	40 - 140	30
d-BHC	ND	3.3	71	76	6.8	56	51	9.3	40 - 140	30
Dieldrin	ND	1.0	71	73	2.8	55	43	24.5	40 - 140	30
Endosulfan I	ND	3.3	74	74	0.0	59	47	22.6	40 - 140	30
Endosulfan II	ND	3.3	82	85	3.6	60	52	14.3	40 - 140	30
Endosulfan sulfate	ND	3.3	100	100	0.0	71	57	21.9	40 - 140	30
Endrin	ND	3.3	71	75	5.5	64	47	30.6	40 - 140	30
Endrin aldehyde	ND	3.3	84	90	6.9	95	75	23.5	40 - 140	30
Endrin ketone	ND	3.3	88	91	3.4	68	54	23.0	40 - 140	30
g-BHC	ND	1.0	65	69	6.0	55	49	11.5	40 - 140	30
g-Chlordane	ND	3.3	71	76	6.8	57	48	17.1	40 - 140	30
Heptachlor	ND	3.3	65	68	4.5	59	54	8.8	40 - 140	30
Heptachlor epoxide	ND	3.3	69	76	9.7	55	48	13.6	40 - 140	30
Methoxychlor	ND	3.3	81	84	3.6	100	54	59.7	40 - 140	30
Toxaphene	ND	130	NA	NA	NC	NA	NA	NC	40 - 140	30
% DCBP	70	%	88	95	7.7	74	58	24.2	30 - 150	30
% DCBP (Confirmation)	66	%	71	77	8.1	55	52	5.6	30 - 150	30
% TCMX	58	%	57	62	8.4	57	53	7.3	30 - 150	30
% TCMX (Confirmation)	71	%	56	60	6.9	55	49	11.5	30 - 150	30

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 542987 (ug/kg), QC Sample No: CG62169 (CG62169, CG62170, CG62171, CG62172, CG62173)										
Semivolatiles - Soil										
1,1-Biphenyl	ND	230	75	77	2.6	74	64	14.5	30 - 130	30
1,2,4,5-Tetrachlorobenzene	ND	230	67	69	2.9	71	61	15.2	30 - 130	30
2,3,4,6-tetrachlorophenol	ND	230	81	87	7.1	82	74	10.3	30 - 130	30
2,4,5-Trichlorophenol	ND	230	80	86	7.2	79	71	10.7	30 - 130	30
2,4,6-Trichlorophenol	ND	130	86	87	1.2	84	72	15.4	30 - 130	30
2,4-Dichlorophenol	ND	130	79	82	3.7	80	70	13.3	30 - 130	30
2,4-Dimethylphenol	ND	230	78	79	1.3	80	70	13.3	30 - 130	30
2,4-Dinitrophenol	ND	230	73	72	1.4	66	38	53.8	30 - 130	30
2,4-Dinitrotoluene	ND	130	87	90	3.4	89	75	17.1	30 - 130	30
2,6-Dinitrotoluene	ND	130	84	86	2.4	85	70	19.4	30 - 130	30
2-Chloronaphthalene	ND	230	77	81	5.1	77	67	13.9	30 - 130	30
2-Chlorophenol	ND	230	75	76	1.3	79	73	7.9	30 - 130	30
2-Methylnaphthalene	ND	230	73	74	1.4	78	69	12.2	30 - 130	30
2-Methylphenol (o-cresol)	ND	230	78	82	5.0	83	76	8.8	30 - 130	30
2-Nitroaniline	ND	330	123	122	0.8	118	114	3.4	30 - 130	30
2-Nitrophenol	ND	230	70	72	2.8	74	64	14.5	30 - 130	30
3&4-Methylphenol (m&p-cresol)	ND	230	81	84	3.6	84	78	7.4	30 - 130	30
3,3'-Dichlorobenzidine	ND	130	74	78	5.3	79	67	16.4	30 - 130	30
3-Nitroaniline	ND	330	89	92	3.3	90	79	13.0	30 - 130	30
4,6-Dinitro-2-methylphenol	ND	230	76	80	5.1	68	44	42.9	30 - 130	30
4-Bromophenyl phenyl ether	ND	230	82	85	3.6	75	63	17.4	30 - 130	30
4-Chloro-3-methylphenol	ND	230	79	82	3.7	84	76	10.0	30 - 130	30
4-Chloroaniline	ND	230	67	70	4.4	72	70	2.8	30 - 130	30
4-Chlorophenyl phenyl ether	ND	230	79	81	2.5	79	71	10.7	30 - 130	30
4-Nitroaniline	ND	230	81	81	0.0	81	68	17.4	30 - 130	30
4-Nitrophenol	ND	230	82	82	0.0	85	81	4.8	30 - 130	30
Acenaphthene	ND	230	82	84	2.4	83	73	12.8	30 - 130	30
Acenaphthylene	ND	130	77	80	3.8	80	71	11.9	30 - 130	30
Acetophenone	ND	230	71	74	4.1	76	69	9.7	30 - 130	30
Anthracene	ND	230	81	83	2.4	87	75	14.8	30 - 130	30
Atrazine	ND	130	55	58	5.3	55	47	15.7	30 - 130	30
Benz(a)anthracene	ND	230	80	83	3.7	107	85	22.9	30 - 130	30
Benzaldehyde	ND	230	35	36	2.8	52	42	21.3	30 - 130	30
Benzo(a)pyrene	ND	130	82	83	1.2	112	88	24.0	30 - 130	30
Benzo(b)fluoranthene	ND	160	96	98	2.1	135	107	23.1	30 - 130	30
Benzo(ghi)perylene	ND	230	91	91	0.0	77	74	4.0	30 - 130	30
Benzo(k)fluoranthene	ND	230	61	61	0.0	80	65	20.7	30 - 130	30
Benzyl butyl phthalate	ND	230	86	90	4.5	79	65	19.4	30 - 130	30
Bis(2-chloroethoxy)methane	ND	230	77	79	2.6	77	68	12.4	30 - 130	30
Bis(2-chloroethyl)ether	ND	130	66	70	5.9	71	66	7.3	30 - 130	30
Bis(2-chloroisopropyl)ether	ND	230	61	63	3.2	65	60	8.0	30 - 130	30
Bis(2-ethylhexyl)phthalate	ND	230	91	93	2.2	82	67	20.1	30 - 130	30
Caprolactam	ND	230	78	76	2.6	81	70	14.6	30 - 130	30
Carbazole	ND	230	82	84	2.4	87	77	12.2	30 - 130	30
Chrysene	ND	230	82	85	3.6	105	85	21.1	30 - 130	30
Dibenz(a,h)anthracene	ND	130	93	97	4.2	78	75	3.9	30 - 130	30
Dibenzofuran	ND	230	79	81	2.5	80	70	13.3	30 - 130	30
Diethyl phthalate	ND	230	83	85	2.4	83	74	11.5	30 - 130	30
Dimethylphthalate	ND	230	83	86	3.6	81	72	11.8	30 - 130	30
Di-n-butylphthalate	ND	670	93	92	1.1	96	87	9.8	30 - 130	30

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
Di-n-octylphthalate	ND	230	96	98	2.1	86	73	16.4	30 - 130	30	
Fluoranthene	ND	230	84	84	0.0	171	124	31.9	30 - 130	30	m,r
Fluorene	ND	230	78	81	3.8	79	72	9.3	30 - 130	30	
Hexachlorobenzene	ND	130	79	81	2.5	79	62	24.1	30 - 130	30	
Hexachlorobutadiene	ND	230	71	73	2.8	73	66	10.1	30 - 130	30	
Hexachlorocyclopentadiene	ND	230	61	61	0.0	38	15	86.8	30 - 130	30	m,r
Hexachloroethane	ND	130	63	65	3.1	68	63	7.6	30 - 130	30	
Indeno(1,2,3-cd)pyrene	ND	230	88	89	1.1	85	79	7.3	30 - 130	30	
Isophorone	ND	130	71	73	2.8	72	66	8.7	30 - 130	30	
Naphthalene	ND	230	73	74	1.4	77	69	11.0	30 - 130	30	
Nitrobenzene	ND	130	70	72	2.8	75	69	8.3	30 - 130	30	
N-Nitrosodimethylamine	ND	230	67	68	1.5	67	59	12.7	30 - 130	30	
N-Nitrosodi-n-propylamine	ND	130	70	72	2.8	75	68	9.8	30 - 130	30	
N-Nitrosodiphenylamine	ND	130	82	84	2.4	86	79	8.5	30 - 130	30	
Pentachlorophenol	ND	230	94	98	4.2	97	84	14.4	30 - 130	30	
Phenanthrene	ND	130	79	79	0.0	108	84	25.0	30 - 130	30	
Phenol	ND	230	77	79	2.6	84	78	7.4	30 - 130	30	
Pyrene	ND	230	87	86	1.2	172	128	29.3	30 - 130	30	m
% 2,4,6-Tribromophenol	73	%	73	76	4.0	70	58	18.8	30 - 130	30	
% 2-Fluorobiphenyl	77	%	71	75	5.5	71	64	10.4	30 - 130	30	
% 2-Fluorophenol	80	%	79	83	4.9	83	79	4.9	30 - 130	30	
% Nitrobenzene-d5	69	%	67	70	4.4	72	66	8.7	30 - 130	30	
% Phenol-d5	71	%	73	77	5.3	76	70	8.2	30 - 130	30	
% Terphenyl-d14	88	%	92	92	0.0	117	99	16.7	30 - 130	30	

Comment:

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 542967 (ug/kg), QC Sample No: CG62169 (CG62169, CG62170, CG62171, CG62172, CG62173)

Polynuclear Aromatic HC - Soil

1,4-dioxane	ND	67	50	48	4.1	49	50	2.0	30 - 130	30	
% 2-Fluorobiphenyl	70	%	47	70	39.3	58	57	1.7	30 - 130	30	r
% Nitrobenzene-d5	73	%	52	74	34.9	80	81	1.2	30 - 130	30	r
% Terphenyl-d14	95	%	59	100	51.6	78	77	1.3	30 - 130	30	r

QA/QC Batch 543079 (ug/kg), QC Sample No: CG62169 (CG62169, CG62170, CG62171, CG62172, CG62173, CG62177)

Volatiles - Soil (Low Level)

1,1,1,2-Tetrachloroethane	ND	5.0	97	102	5.0	88	88	0.0	70 - 130	30	
1,1,1-Trichloroethane	ND	5.0	92	98	6.3	94	94	0.0	70 - 130	30	
1,1,2,2-Tetrachloroethane	ND	3.0	102	111	8.5	116	115	0.9	70 - 130	30	
1,1,2-Trichloroethane	ND	5.0	88	95	7.7	84	83	1.2	70 - 130	30	
1,1-Dichloroethane	ND	5.0	96	103	7.0	105	98	6.9	70 - 130	30	
1,1-Dichloroethene	ND	5.0	98	106	7.8	102	103	1.0	70 - 130	30	
1,2,3-Trichlorobenzene	ND	5.0	88	93	5.5	39	35	10.8	70 - 130	30	m
1,2,4-Trichlorobenzene	ND	5.0	90	95	5.4	43	39	9.8	70 - 130	30	m
1,2-Dibromo-3-chloropropane	ND	5.0	101	112	10.3	102	101	1.0	70 - 130	30	
1,2-Dibromoethane	ND	5.0	95	101	6.1	94	95	1.1	70 - 130	30	
1,2-Dichlorobenzene	ND	5.0	93	98	5.2	73	71	2.8	70 - 130	30	
1,2-Dichloroethane	ND	5.0	92	98	6.3	92	91	1.1	70 - 130	30	
1,2-Dichloropropane	ND	5.0	90	96	6.5	89	88	1.1	70 - 130	30	
1,3-Dichlorobenzene	ND	5.0	95	99	4.1	82	78	5.0	70 - 130	30	
1,4-Dichlorobenzene	ND	5.0	93	98	5.2	77	73	5.3	70 - 130	30	
1,4-dioxane	ND	100	111	107	3.7	109	119	8.8	70 - 130	30	
2-Hexanone	ND	25	94	105	11.1	91	95	4.3	70 - 130	30	

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
4-Methyl-2-pentanone	ND	25	97	109	11.7	96	98	2.1	70 - 130	30
Acetone	ND	10	87	101	14.9	100	100	0.0	70 - 130	30
Acrolein	ND	25	89	103	14.6	41	43	4.8	70 - 130	30
Acrylonitrile	ND	5.0	102	117	13.7	115	111	3.5	70 - 130	30
Benzene	ND	1.0	95	99	4.1	93	93	0.0	70 - 130	30
Bromochloromethane	ND	5.0	88	96	8.7	91	91	0.0	70 - 130	30
Bromodichloromethane	ND	5.0	94	99	5.2	86	87	1.2	70 - 130	30
Bromoform	ND	5.0	96	103	7.0	77	77	0.0	70 - 130	30
Bromomethane	ND	5.0	103	109	5.7	109	105	3.7	70 - 130	30
Carbon Disulfide	ND	5.0	104	112	7.4	103	103	0.0	70 - 130	30
Carbon tetrachloride	ND	5.0	92	98	6.3	88	89	1.1	70 - 130	30
Chlorobenzene	ND	5.0	94	99	5.2	87	85	2.3	70 - 130	30
Chloroethane	ND	5.0	108	116	7.1	113	114	0.9	70 - 130	30
Chloroform	ND	5.0	92	99	7.3	93	93	0.0	70 - 130	30
Chloromethane	ND	5.0	91	99	8.4	92	94	2.2	70 - 130	30
cis-1,2-Dichloroethene	ND	5.0	86	92	6.7	88	88	0.0	70 - 130	30
cis-1,3-Dichloropropene	ND	5.0	91	97	6.4	83	82	1.2	70 - 130	30
Cyclohexane	ND	5.0	91	98	7.4	88	85	3.5	70 - 130	30
Dibromochloromethane	ND	3.0	102	109	6.6	94	95	1.1	70 - 130	30
Dichlorodifluoromethane	ND	5.0	109	115	5.4	108	109	0.9	70 - 130	30
Ethylbenzene	ND	1.0	96	101	5.1	90	87	3.4	70 - 130	30
Isopropylbenzene	ND	1.0	97	101	4.0	110	106	3.7	70 - 130	30
m&p-Xylene	ND	2.0	98	103	5.0	88	77	13.3	70 - 130	30
Methyl ethyl ketone	ND	5.0	92	106	14.1	93	97	4.2	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	105	116	10.0	110	109	0.9	70 - 130	30
Methylacetate	ND	5.0	104	118	12.6	129	129	0.0	70 - 130	30
Methylcyclohexane	ND	5.0	117	122	4.2	98	93	5.2	70 - 130	30
Methylene chloride	ND	5.0	87	95	8.8	91	91	0.0	70 - 130	30
o-Xylene	ND	2.0	98	101	3.0	88	83	5.8	70 - 130	30
Styrene	ND	5.0	96	102	6.1	82	77	6.3	70 - 130	30
tert-butyl alcohol	ND	100	109	110	0.9	110	119	7.9	70 - 130	30
Tetrachloroethene	ND	5.0	88	91	3.4	78	76	2.6	70 - 130	30
Toluene	ND	1.0	91	96	5.3	85	82	3.6	70 - 130	30
trans-1,2-Dichloroethene	ND	5.0	102	111	8.5	105	105	0.0	70 - 130	30
trans-1,3-Dichloropropene	ND	5.0	91	97	6.4	80	78	2.5	70 - 130	30
Trichloroethene	ND	5.0	91	94	3.2	89	89	0.0	70 - 130	30
Trichlorofluoromethane	ND	5.0	111	118	6.1	112	111	0.9	70 - 130	30
Trichlorotrifluoroethane	ND	5.0	100	107	6.8	102	102	0.0	70 - 130	30
Vinyl chloride	ND	5.0	107	115	7.2	110	111	0.9	70 - 130	30
% 1,2-dichlorobenzene-d4	98	%	98	99	1.0	96	97	1.0	70 - 130	30
% Bromofluorobenzene	102	%	99	101	2.0	93	92	1.1	70 - 130	30
% Dibromofluoromethane	88	%	95	95	0.0	98	96	2.1	70 - 130	30
% Toluene-d8	104	%	97	98	1.0	94	93	1.1	70 - 130	30

QA/QC Batch 543079H (ug/kg), QC Sample No: CG62169 50X (CG62176 (50X))

Volatiles - Soil (High Level)

1,1,1,2-Tetrachloroethane	ND	250	91	93	2.2	92	95	3.2	70 - 130	30
1,1,1-Trichloroethane	ND	250	89	90	1.1	97	98	1.0	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	250	99	100	1.0	106	110	3.7	70 - 130	30
1,1,2-Trichloroethane	ND	250	88	88	0.0	89	95	6.5	70 - 130	30
1,1-Dichloroethane	ND	250	95	97	2.1	121	122	0.8	70 - 130	30
1,1-Dichloroethene	ND	250	70	68	2.9	80	75	6.5	70 - 130	30
1,2,3-Trichlorobenzene	ND	250	96	97	1.0	90	98	8.5	70 - 130	30

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
1,2,4-Trichlorobenzene	ND	250	102	104	1.9	94	104	10.1	70 - 130	30	
1,2-Dibromo-3-chloropropane	ND	250	93	94	1.1	105	102	2.9	70 - 130	30	
1,2-Dibromoethane	ND	250	90	92	2.2	96	98	2.1	70 - 130	30	
1,2-Dichlorobenzene	ND	250	96	98	2.1	98	101	3.0	70 - 130	30	
1,2-Dichloroethane	ND	250	91	92	1.1	93	96	3.2	70 - 130	30	
1,2-Dichloropropane	ND	250	91	93	2.2	93	97	4.2	70 - 130	30	
1,3-Dichlorobenzene	ND	250	98	98	0.0	102	105	2.9	70 - 130	30	
1,4-Dichlorobenzene	ND	250	97	99	2.0	99	101	2.0	70 - 130	30	
1,4-dioxane	ND	5000	103	102	1.0	98	109	10.6	70 - 130	30	
2-Hexanone	ND	1300	90	90	0.0	99	100	1.0	70 - 130	30	
4-Methyl-2-pentanone	ND	1300	96	95	1.0	105	109	3.7	70 - 130	30	
Acetone	ND	500	60	55	8.7	74	72	2.7	70 - 130	30	I
Acrolein	ND	1300	74	68	8.5	83	82	1.2	70 - 130	30	I
Acrylonitrile	ND	250	99	98	1.0	122	137	11.6	70 - 130	30	m
Benzene	ND	250	96	97	1.0	100	102	2.0	70 - 130	30	
Bromochloromethane	ND	250	86	85	1.2	89	89	0.0	70 - 130	30	
Bromodichloromethane	ND	250	91	91	0.0	88	91	3.4	70 - 130	30	
Bromoform	ND	250	84	84	0.0	80	81	1.2	70 - 130	30	
Bromomethane	ND	250	62	64	3.2	61	67	9.4	70 - 130	30	I,m
Carbon Disulfide	ND	250	73	70	4.2	80	76	5.1	70 - 130	30	
Carbon tetrachloride	ND	250	88	87	1.1	87	89	2.3	70 - 130	30	
Chlorobenzene	ND	250	94	96	2.1	99	101	2.0	70 - 130	30	
Chloroethane	ND	250	31	30	3.3	33	33	0.0	70 - 130	30	I,m
Chloroform	ND	250	90	90	0.0	95	97	2.1	70 - 130	30	
Chloromethane	ND	250	95	93	2.1	89	95	6.5	70 - 130	30	
cis-1,2-Dichloroethene	ND	250	86	85	1.2	90	92	2.2	70 - 130	30	
cis-1,3-Dichloropropene	ND	250	91	91	0.0	89	92	3.3	70 - 130	30	
Cyclohexane	ND	250	93	93	0.0	100	101	1.0	70 - 130	30	
Dibromochloromethane	ND	150	93	93	0.0	90	92	2.2	70 - 130	30	
Dichlorodifluoromethane	ND	250	102	102	0.0	99	101	2.0	70 - 130	30	
Ethylbenzene	ND	250	96	98	2.1	102	105	2.9	70 - 130	30	
Isopropylbenzene	ND	250	97	98	1.0	105	106	0.9	70 - 130	30	
m&p-Xylene	ND	250	98	100	2.0	105	108	2.8	70 - 130	30	
Methyl ethyl ketone	ND	250	94	90	4.3	101	103	2.0	70 - 130	30	
Methyl t-butyl ether (MTBE)	ND	250	103	102	1.0	107	108	0.9	70 - 130	30	
Methylacetate	ND	250	114	108	5.4	128	126	1.6	70 - 130	30	
Methylcyclohexane	ND	250	120	121	0.8	129	131	1.5	70 - 130	30	m
Methylene chloride	ND	250	84	84	0.0	88	90	2.2	70 - 130	30	
o-Xylene	ND	250	97	98	1.0	103	105	1.9	70 - 130	30	
Styrene	ND	250	96	98	2.1	101	103	2.0	70 - 130	30	
tert-butyl alcohol	ND	5000	97	94	3.1	96	100	4.1	70 - 130	30	
Tetrachloroethene	ND	250	91	91	0.0	97	99	2.0	70 - 130	30	
Toluene	ND	250	93	94	1.1	97	101	4.0	70 - 130	30	
trans-1,2-Dichloroethene	ND	250	102	102	0.0	109	109	0.0	70 - 130	30	
trans-1,3-Dichloropropene	ND	250	89	90	1.1	88	91	3.4	70 - 130	30	
Trichloroethene	ND	250	92	93	1.1	97	99	2.0	70 - 130	30	
Trichlorofluoromethane	ND	250	17	17	0.0	18	18	0.0	70 - 130	30	I,m
Trichlorotrifluoroethane	ND	250	86	83	3.6	97	89	8.6	70 - 130	30	
Vinyl chloride	ND	250	95	96	1.0	98	100	2.0	70 - 130	30	
% 1,2-dichlorobenzene-d4	96	%	98	99	1.0	100	99	1.0	70 - 130	30	
% Bromofluorobenzene	103	%	99	101	2.0	100	103	3.0	70 - 130	30	
% Dibromofluoromethane	86	%	92	90	2.2	93	91	2.2	70 - 130	30	
% Toluene-d8	104	%	100	99	1.0	97	99	2.0	70 - 130	30	

QA/QC Data

SDG I.D.: GCG62169

Parameter	Blank	Blk	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	%	%
		RL							Rec Limits	RPD Limits

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

September 14, 2020

Monday, September 14, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCG62169 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG62169	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1300	140	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	870	250	500	500	ug/Kg
CG62169	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1300	140	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	870	250	500	500	ug/Kg
CG62169	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	870	250	500	500	ug/Kg
CG62169	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	890	250	800	800	ug/Kg
CG62169	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	140	1000	1000	ug/Kg
CG62169	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1300	250	1000	1000	ug/Kg
CG62169	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	105	0.6	63	63	mg/Kg
CG62169	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	389	6.3	109	109	mg/Kg
CG62172	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1700	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Ground Water Protection	1800	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential	1800	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1200	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Residential	1700	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential	1500	150	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	720	260	500	500	ug/Kg
CG62172	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Residential	1400	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	720	260	500	500	ug/Kg
CG62172	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	1500	150	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Residential Restricted	1200	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Residential Restricted	1800	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benz(a)anthracene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1800	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Chrysene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1700	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benzo(k)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1400	260	800	800	ug/Kg
CG62172	\$DP8270_TCL	Benzo(b)fluoranthene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1200	260	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Benzo(a)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	1500	150	1000	1000	ug/Kg
CG62172	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	720	260	500	500	ug/Kg
CG62172	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	127	0.8	63	63	mg/Kg
CG62173	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential	540	250	500	500	ug/Kg
CG62173	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Residential Restricted	540	250	500	500	ug/Kg

Monday, September 14, 2020

Criteria: NY: 375, 375GWP, 375RRS, 375RS

State: NY

Sample Criteria Exceedances Report

GCG62169 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CG62173	\$DP8270_TCL	Indeno(1,2,3-cd)pyrene	NY / 375-6.8 Semivolatiles / Unrestricted Use Soil	540	250	500	500	ug/Kg
CG62173	PB-SMDP	Lead	NY / 375-6.8 Metals / Unrestricted Use Soil	115	0.8	63	63	mg/Kg
CG62173	ZN-SMDP	Zinc	NY / 375-6.8 Metals / Unrestricted Use Soil	118	0.8	109	109	mg/Kg

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

September 14, 2020

SDG I.D.: GCG62169

The samples in this delivery group were received at 2.3°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)



ANALYTICAL REPORT

Lab Number:	L2006051
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Charlie Sosik
Phone:	(631) 504-6000
Project Name:	1015 ATLANTIC SITE
Project Number:	BGP1901
Report Date:	02/25/20

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Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2006051-01	19B1 (0-4)	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 12:30	02/11/20
L2006051-02	19B1 (23-25)	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 12:45	02/11/20
L2006051-03	19B2 (0-4)	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 11:50	02/11/20
L2006051-04	19B2 (23-25)	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 12:00	02/11/20
L2006051-05	19B6 (23-25)	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 10:22	02/11/20
L2006051-06	SOIL DUPLICATE 2	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 00:00	02/11/20
L2006051-07	RINSATE BLANK 2	WATER	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/10/20 13:30	02/11/20

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2006051-01 and -02: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1340436-3: The LCSD recovery, associated with L2006051-01 through -06, is above the acceptance criteria for 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (169%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

WG1340436-4: The MS recoveries, performed on L2006051-05, are outside the acceptance criteria for perfluorobutanesulfonic acid (pfbs) (131%), perfluorooctanoic acid (pfoa) (135%), perfluoroheptanesulfonic acid (pfhps) (133%), 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (156%), perfluorodecanesulfonic acid (pfds) (143%) and n-ethyl perfluorooctanesulfonamidoacetic acid (netfosaa) (146%).

WG1340436-5: The MSD recoveries, performed on L2006051-05, are outside the acceptance criteria for perfluorobutanesulfonic acid (pfbs) (131%), perfluorooctanoic acid (pfoa) (134%), 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (160%), perfluorotridecanoic acid (pftrda) (141%) and perfluorotetradecanoic acid (pfta) (134%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Elizabeth Porta

Title: Technical Director/Representative

Date: 02/25/20

ORGANICS

SEMIVOLATILES

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-01
 Client ID: 19B1 (0-4)
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 12:30
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 12:07
 Analyst: RS
 Percent Solids: 88%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.050	J	ug/kg	1.06	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.049	J	ug/kg	1.06	0.049	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.06	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.085	J	ug/kg	1.06	0.056	1
Perfluoroheptanoic Acid (PFHpA)	0.079	J	ug/kg	1.06	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.06	0.064	1
Perfluorooctanoic Acid (PFOA)	0.620	J	ug/kg	1.06	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.06	0.190	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.06	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.06	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.507	J	ug/kg	1.06	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.06	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.06	0.303	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.06	0.213	1
Perfluoroundecanoic Acid (PFUnA)	0.207	J	ug/kg	1.06	0.050	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.06	0.162	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.06	0.104	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.06	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.06	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.06	0.216	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.06	0.057	1
PFOA/PFOS, Total	1.13	J	ug/kg	1.06	0.044	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-01

Date Collected: 02/10/20 12:30

Client ID: 19B1 (0-4)

Date Received: 02/11/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	64		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	68		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	62	Q	70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	60	Q	61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	65		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	66		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	65		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	70		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	69		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	63	Q	65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	68		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	80		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	41	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	73		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	61		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	56		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-02
 Client ID: 19B1 (23-25)
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 12:45
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 12:24
 Analyst: RS
 Percent Solids: 93%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.950	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.950	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.950	0.037	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.950	0.050	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.950	0.043	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.950	0.058	1
Perfluorooctanoic Acid (PFOA)	0.061	J	ug/kg	0.950	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.950	0.171	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.950	0.130	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.950	0.071	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.950	0.124	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.950	0.064	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.950	0.273	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.950	0.192	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.950	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.950	0.145	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.950	0.093	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.950	0.080	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.950	0.067	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.950	0.194	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.950	0.051	1
PFOA/PFOS, Total	0.061	J	ug/kg	0.950	0.040	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-02

Date Collected: 02/10/20 12:45

Client ID: 19B1 (23-25)

Date Received: 02/11/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	91		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	102		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	44	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	76		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-03
 Client ID: 19B2 (0-4)
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 11:50
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 12:40
 Analyst: RS
 Percent Solids: 89%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.027	J	ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	0.056	J	ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.080	J	ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.063	1
Perfluorooctanoic Acid (PFOA)	0.236	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.232	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.468	J	ug/kg	1.05	0.044	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-03

Date Collected: 02/10/20 11:50

Client ID: 19B2 (0-4)

Date Received: 02/11/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	83		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	80		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	87		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	86		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	91		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	73		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-04
 Client ID: 19B2 (23-25)
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 12:00
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 12:57
 Analyst: RS
 Percent Solids: 91%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.01	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.01	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.01	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.01	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.01	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.01	0.061	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.01	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.01	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.01	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.01	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.01	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.01	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.01	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.01	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.01	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.01	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.01	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.01	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.01	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.01	0.207	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.01	0.055	1
PFOA/PFOS, Total	ND		ug/kg	1.01	0.043	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-04

Date Collected: 02/10/20 12:00

Client ID: 19B2 (23-25)

Date Received: 02/11/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	95		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	118		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	47		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	54		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-05
 Client ID: 19B6 (23-25)
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 10:22
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 13:13
 Analyst: RS
 Percent Solids: 91%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.03	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.03	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.03	0.040	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.03	0.054	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.03	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.03	0.062	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.03	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.03	0.185	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.03	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.03	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.03	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.03	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.03	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.03	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.03	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.03	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.03	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.03	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.03	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.03	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.03	0.056	1
PFOA/PFOS, Total	ND		ug/kg	1.03	0.043	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-05

Date Collected: 02/10/20 10:22

Client ID: 19B6 (23-25)

Date Received: 02/11/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	91		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	99		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	96		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	95		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	53		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	87		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	73		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-06
 Client ID: SOIL DUPLICATE 2
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 00:00
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 13:30
 Analyst: RS
 Percent Solids: 91%

Extraction Method: ALPHA 23528
 Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.048	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.064	1
Perfluorooctanoic Acid (PFOA)	0.050	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.189	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.144	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.05	0.137	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.071	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.302	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.212	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.161	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.103	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.089	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.074	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.215	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.050	J	ug/kg	1.05	0.044	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-06**Date Collected:** 02/10/20 00:00**Client ID:** SOIL DUPLICATE 2**Date Received:** 02/11/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	81		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	86		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	93		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	9		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS**

Lab ID: L2006051-07
 Client ID: RINSATE BLANK 2
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/10/20 13:30
 Date Received: 02/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/22/20 05:46
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 02/14/20 10:46

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.81	0.370	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.81	0.359	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.81	0.216	1
Perfluorohexanoic Acid (PFHxA)	0.377	J	ng/l	1.81	0.297	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.81	0.204	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.81	0.340	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.81	0.214	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.81	1.21	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.81	0.623	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.81	0.283	1
Perfluorooctanesulfonic Acid (PFOS)	0.627	J	ng/l	1.81	0.456	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.81	0.275	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.81	1.10	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.81	0.587	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.81	0.236	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.81	0.888	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.81	0.525	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.81	0.728	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.81	0.337	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.81	0.296	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.81	0.225	1
PFOA/PFOS, Total	0.627	J	ng/l	1.81	0.214	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-07**Date Collected:** 02/10/20 13:30**Client ID:** RINSATE BLANK 2**Date Received:** 02/11/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	95		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	104		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	123		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	108		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	127		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	82		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		33-143

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/20 11:18
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1340436-1					
Perfluorobutanoic Acid (PFBA)	0.084	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/20 11:18
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/13/20 14:35

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-06 Batch: WG1340436-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	82		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	102		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	103		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	97		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	4		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	61		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	70		26-160

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/20 05:13
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/14/20 10:46

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1340765-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.568	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	0.696	J	ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	0.588	J	ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	0.588	J	ng/l	2.00	0.236

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/22/20 05:13
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/14/20 10:46

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 07 Batch: WG1340765-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	44		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NetFOSAA)	86		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	101		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		33-143

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1015 ATLANTIC SITE

Lab Number: L2006051

Project Number: BGP1901

Report Date: 02/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1340436-2 WG1340436-3								
Perfluorobutanoic Acid (PFBA)	105		113		71-135	7		30
Perfluoropentanoic Acid (PFPeA)	110		118		69-132	7		30
Perfluorobutanesulfonic Acid (PFBS)	107		119		72-128	11		30
Perfluorohexanoic Acid (PFHxA)	106		112		70-132	6		30
Perfluoroheptanoic Acid (PFHpA)	103		108		71-131	5		30
Perfluorohexanesulfonic Acid (PFHxS)	102		120		67-130	16		30
Perfluorooctanoic Acid (PFOA)	112		120		69-133	7		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	116		140		64-140	19		30
Perfluoroheptanesulfonic Acid (PFHpS)	107		108		70-132	1		30
Perfluorononanoic Acid (PFNA)	105		113		72-129	7		30
Perfluorooctanesulfonic Acid (PFOS)	101		110		68-136	9		30
Perfluorodecanoic Acid (PFDA)	100		113		69-133	12		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	136		169	Q	65-137	22		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	106		133		63-144	23		30
Perfluoroundecanoic Acid (PFUnA)	106		118		64-136	11		30
Perfluorodecanesulfonic Acid (PFDS)	102		108		59-134	6		30
Perfluorooctanesulfonamide (FOSA)	107		111		67-137	4		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	102		112		61-139	9		30
Perfluorododecanoic Acid (PFDoA)	101		115		69-135	13		30
Perfluorotridecanoic Acid (PFTrDA)	112		123		66-139	9		30
Perfluorotetradecanoic Acid (PFTA)	111		116		69-133	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Lab Number: L2006051

Project Number: BGP1901

Report Date: 02/25/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 Batch: WG1340436-2 WG1340436-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		70		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	81		78		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		87		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	77		72		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	87		80		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	101		92		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	91		83		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	111		100		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98		90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		85		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	106		103		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	69		66		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		92		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	5		6		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		61		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	94		84		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	77		71		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2006051

Report Date: 02/25/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1340765-2 WG1340765-3								
Perfluorobutanoic Acid (PFBA)	104		105		67-148	1		30
Perfluoropentanoic Acid (PFPeA)	110		112		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	112		110		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	106		105		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	104		105		58-159	1		30
Perfluorohexanesulfonic Acid (PFHxS)	103		104		69-177	1		30
Perfluorooctanoic Acid (PFOA)	111		116		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	125		128		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	112		120		61-179	7		30
Perfluorononanoic Acid (PFNA)	105		109		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	102		116		52-151	13		30
Perfluorodecanoic Acid (PFDA)	104		100		63-171	4		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	132		140		56-173	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	127		116		60-166	9		30
Perfluoroundecanoic Acid (PFUnA)	106		107		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	105		113		38-156	7		30
Perfluorooctanesulfonamide (FOSA)	99		109		46-170	10		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	110		126		45-170	14		30
Perfluorododecanoic Acid (PFDoA)	109		109		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	118		113		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	111		118		59-182	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Lab Number: L2006051

Project Number: BGP1901

Report Date: 02/25/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 07 Batch: WG1340765-2 WG1340765-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		99		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109		109		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		96		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		103		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		101		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		133		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	109		106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	103		98		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		105		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	125		134		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		88		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		108		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	45		41		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	81		78		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		99		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	84		82		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2006051

Report Date: 02/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1340436-4 WG1340436-5 QC Sample: L2006051-05 Client ID: 19B6 (23-25)												
Perfluorobutanoic Acid (PFBA)	ND	5.14	6.29	122		6.03	123		71-135	4		30
Perfluoropentanoic Acid (PFPeA)	ND	5.14	6.64	129		6.35	130		69-132	4		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.56	5.95	131	Q	5.67	131	Q	72-128	5		30
Perfluorohexanoic Acid (PFHxA)	ND	5.14	6.25	122		5.94	121		70-132	5		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.14	6.21	121		6.17	126		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.69	5.59	119		5.59	125		67-130	0		30
Perfluorooctanoic Acid (PFOA)	ND	5.14	6.94	135	Q	6.58	134	Q	69-133	5		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.88	6.29	129		6.11	131		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.88	6.49	133	Q	6.10	131		70-132	6		30
Perfluorononanoic Acid (PFNA)	ND	5.14	6.37	124		6.21	127		72-129	3		30
Perfluorooctanesulfonic Acid (PFOS)	ND	4.76	6.08	128		5.86	129		68-136	4		30
Perfluorodecanoic Acid (PFDA)	ND	5.14	6.09	118		6.10	124		69-133	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.94	7.70	156	Q	7.53	160	Q	65-137	2		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.14	6.44	125		6.56	134		63-144	2		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.14	6.23	121		6.02	123		64-136	3		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.97	7.11	143	Q	6.26	132		59-134	13		30
Perfluorooctanesulfonamide (FOSA)	ND	5.14	6.04	117		6.22	127		67-137	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.14	7.49	146	Q	6.53	133		61-139	14		30
Perfluorododecanoic Acid (PFDoA)	ND	5.14	6.72	131		6.10	124		69-135	10		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.14	6.93	135		6.92	141	Q	66-139	0		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.14	6.43	125		6.58	134	Q	69-133	2		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2006051

Report Date: 02/25/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1340436-4 WG1340436-5 QC Sample: L2006051-05 Client ID: 19B6 (23-25)												

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	105		97		25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	93		91		32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	49		47		42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	50		49		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	91		87		64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		81		65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	76		74		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	81		78		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	89		80		63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	82		79		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		66		26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	79		76		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	84		82		65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	16		23		1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	81		82		65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		78		62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	87		84		61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	81		79		70-151

INORGANICS & MISCELLANEOUS

Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-01**Client ID:** 19B1 (0-4)**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 12:30**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.2		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-02**Client ID:** 19B1 (23-25)**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 12:45**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	93.1		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-03**Client ID:** 19B2 (0-4)**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 11:50**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.7		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-04**Client ID:** 19B2 (23-25)**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 12:00**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.9		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-05**Client ID:** 19B6 (23-25)**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 10:22**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	91.3		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20**SAMPLE RESULTS****Lab ID:** L2006051-06**Client ID:** SOIL DUPLICATE 2**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/10/20 00:00**Date Received:** 02/11/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.7		%	0.100	0.100	1	-	02/13/20 09:25	121,2540G	AL



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2006051**Report Date:** 02/25/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1340321-1 QC Sample: L2005988-01 Client ID: DUP Sample						
Solids, Total	72.9	73.4	%	1		10

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2006051**Project Number:** BGP1901**Report Date:** 02/25/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2006051-01A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-01B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-02A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-02B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-03A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-03B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-04A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-04B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-05A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-05A1	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-05A2	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-05B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-05B1	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-05B2	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-06A	Plastic 8oz unpreserved	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(28)
L2006051-06B	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		A2-TS(7)
L2006051-07A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		2.9	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

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PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name: 1015 ATLANTIC SITE
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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 1015 ATLANTIC SITE
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2006051
Report Date: 02/25/20

REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab <u>2/12/20</u>		ALPHA Job # <u>L2006051</u>	
Westborough, MA 01581 8 Walkup Dr. TEL: 508-888-9220 FAX: 508-888-9193		Mansfield, MA 02048 320 Forbes Blvd. TEL: 508-822-0300 FAX: 508-822-3288		Project Information Project Name: <u>1015 Atlantic Site</u> Project Location: <u>1015 Atlantic Avenue Brooklyn NY</u> Project # <u>BGP1901</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☒ EQUIS (1 File) ☒ EQUIS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Client Information Client: <u>Environmental Business Consultants</u> Address: <u>1808 Middle Country Road</u> <u>Ridge NY 11961</u> Phone: Fax: Email: <u>csosik@ebcny.com</u>		Project Manager: <u>Charles Sosik</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other			
These samples have been previously analyzed by Alpha ☐		Other project specific requirements/comments:		ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles	
Please specify Metals or TAL.		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix Sampler's Initials	
<u>0006051-01</u>		<u>19B1 (0-4)</u>		<u>2-10-2020 12:30</u>		<u>S T.G.</u>		<u>21 PFAs Compounds EPA Method 537 Modified</u>	
<u>-02</u>		<u>19B1 (23-25)</u>		<u>2-10-2020 12:45</u>		<u>S T.G.</u>			
<u>-03</u>		<u>19B2 (0-4)</u>		<u>2-10-2020 11:50</u>		<u>S T.G.</u>			
<u>-04</u>		<u>19B2 (23-25)</u>		<u>2-10-2020 12:00</u>		<u>S T.G.</u>			
<u>-05</u>		<u>19B6 (23-25)</u>		<u>2-10-2020 10:22</u>		<u>S T.G.</u>			
<u>-06</u>		<u>Soil Duplicate 2</u>		<u>2-10-2020</u>		<u>S T.G.</u>		<u>Run MS/MSD</u>	
<u>-07</u>		<u>Rinsate Blank 2</u>		<u>2-10-2020 13:30</u>		<u>S T.G.</u>			
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ K/E = Zn Ac/NaOH O = Other		Container Code: F = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro Certification No: MA935 Mansfield Certification No: MA015		Container Type <u>P</u>		Preservative <u>A</u>	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: <u>T. Hurdell</u>		Date/Time: <u>2/11/20 1130</u>		Received By: <u>D. Santos AAC</u>		Date/Time: <u>2/11/20 1130</u>	
		<u>P. Santos AAC</u>		<u>2/11/20 1300</u>		<u>P. Santos AAC</u>		<u>2/11/20 1640</u>	
		<u>T. Hurdell</u>		<u>2/12/20 0445</u>		<u>T. Hurdell</u>		<u>2/12/20 0445</u>	



ANALYTICAL REPORT

Lab Number:	L2009600
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Keith Butler
Phone:	(631) 504-6000
Project Name:	1015 ATLANTIC AVENUE, BROOKLYN
Project Number:	BGP1901
Report Date:	03/17/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2009600-01	19SB3 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN	03/02/20 08:23	03/04/20
L2009600-02	19SB3 (23-25')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN	03/02/20 13:40	03/04/20
L2009600-03	PFAS DUPLICATE	SOIL	1015 ATLANTIC AVENUE, BROOKLYN	03/02/20 13:43	03/04/20
L2009600-04	RINSEATE BLANK 2/25/2020	WATER	1015 ATLANTIC AVENUE, BROOKLYN	03/02/20 13:45	03/04/20

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

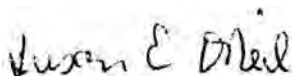
L2009600-04: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2009600-04: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix. (Please note that the sample was soapy).

The WG1347969-2/-3 LCS/LCSD RPD, associated with L2009600-01 through -03, is above the acceptance criteria for perfluorooctanesulfonamide (fosa) (38%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 03/17/20

ORGANICS

SEMIVOLATILES

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-01
Client ID: 19SB3 (0-4')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 08:23
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 18:32
Analyst: RS
Percent Solids: 91%

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.065	J	ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.063	1
Perfluorooctanoic Acid (PFOA)	0.131	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.152	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.283	J	ug/kg	1.05	0.044	1

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-01
Client ID: 19SB3 (0-4')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 08:23
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	87		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	83		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	85		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	96		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	90		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	87		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	107		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	65		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	66		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-02
Client ID: 19SB3 (23-25')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:40
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 18:49
Analyst: RS
Percent Solids: 37%

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	2.48	0.056	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	2.48	0.114	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	2.48	0.097	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	2.48	0.130	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	2.48	0.112	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	2.48	0.150	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	2.48	0.104	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	2.48	0.445	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	2.48	0.339	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	2.48	0.186	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	2.48	0.323	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	2.48	0.166	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	2.48	0.712	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	2.48	0.500	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	2.48	0.116	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	2.48	0.380	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	2.48	0.243	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	2.48	0.210	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	2.48	0.174	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	2.48	0.507	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	2.48	0.134	1
PFOA/PFOS, Total	ND		ug/kg	2.48	0.104	1

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-02
Client ID: 19SB3 (23-25')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:40
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate (Extracted Internal Standard)	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	83				60-153	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94				65-182	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77				70-151	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81				61-147	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84				62-149	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80				63-166	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84				62-152	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80				32-182	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91				61-154	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84				65-151	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84				65-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98				25-186	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61				45-137	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92				64-158	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18				1-125	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57				42-136	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78				56-148	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60				26-160	

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-03
Client ID: PFAS DUPLICATE
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:43
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 19:22
Analyst: RS
Percent Solids: 89%

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.059	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.111	J	ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.04	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.111	J	ug/kg	1.04	0.044	1

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-03
Client ID: PFAS DUPLICATE
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:43
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate (Extracted Internal Standard)	% Recovery			Qualifier	Acceptance Criteria	
Perfluoro[13C4]Butanoic Acid (MPFBA)	95				60-153	
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	109				65-182	
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91				70-151	
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91				61-147	
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	94				62-149	
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	94				63-166	
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97				62-152	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109				32-182	
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105				61-154	
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	91				65-151	
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				65-150	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133				25-186	
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89				45-137	
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104				64-158	
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	71				1-125	
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	88				42-136	
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98				56-148	
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90				26-160	

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-04
Client ID: RINSEATE BLANK 2/25/2020
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:45
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/09/20 15:06
Analyst: JW

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 07:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	66.7	13.6	1
Perfluoropentanoic Acid (PFPeA)	17.1	J	ng/l	66.7	13.2	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	66.7	7.93	1
Perfluorohexanoic Acid (PFHxA)	13.7	J	ng/l	66.7	10.9	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	66.7	7.51	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	66.7	12.5	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	66.7	7.87	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	66.7	44.4	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	66.7	22.9	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	66.7	10.4	1
Perfluorooctanesulfonic Acid (PFOS)	52.3	J	ng/l	66.7	16.8	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	66.7	10.1	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	66.7	40.4	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	66.7	21.6	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	66.7	8.67	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	66.7	32.7	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	66.7	19.3	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	66.7	26.8	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	66.7	12.4	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	66.7	10.9	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	66.7	8.27	1
PFOA/PFOS, Total	52.3	J	ng/l	66.7	7.87	1

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-04
Client ID: RINSEATE BLANK 2/25/2020
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:45
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C4]Butanoic Acid (MPFBA)	100			2-156		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	116			16-173		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	98			31-159		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	85			21-145		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101			30-139		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	108			47-153		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105			36-149		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	210			1-244		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105			34-146		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102			42-146		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102			38-144		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	46			7-170		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	71			1-181		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	157		Q	40-144		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	107		Q	1-87		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	176		Q	23-146		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	197		Q	24-161		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	464		Q	33-143		

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 21:37
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1347919-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 21:37
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 07:50

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 04 Batch: WG1347919-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	108		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	107		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	115		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	107		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	123		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	106		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	61		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	92		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	99		33-143

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 16:36
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1347969-1					
Perfluorobutanoic Acid (PFBA)	0.192	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 03/10/20 16:36
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 03/06/20 09:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-03 Batch: WG1347969-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	105		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	96		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	98		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	97		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	112		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	100		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	77		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		26-160

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN

Project Number: BGP1901

Lab Number: L2009600

Report Date: 03/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1347919-2 WG1347919-3								
Perfluorobutanoic Acid (PFBA)	88		86		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	92		91		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	89		86		65-157	3		30
Perfluorohexanoic Acid (PFHxA)	88		85		69-168	3		30
Perfluoroheptanoic Acid (PFHpA)	91		86		58-159	6		30
Perfluorohexanesulfonic Acid (PFHxS)	88		80		69-177	10		30
Perfluorooctanoic Acid (PFOA)	91		87		63-159	4		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	101		95		49-187	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	94		87		61-179	8		30
Perfluorononanoic Acid (PFNA)	90		87		68-171	3		30
Perfluorooctanesulfonic Acid (PFOS)	90		82		52-151	9		30
Perfluorodecanoic Acid (PFDA)	90		86		63-171	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	97		96		56-173	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	100		101		60-166	1		30
Perfluoroundecanoic Acid (PFUnA)	89		84		60-153	6		30
Perfluorodecanesulfonic Acid (PFDS)	96		88		38-156	9		30
Perfluorooctanesulfonamide (FOSA)	95		87		46-170	9		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	85		92		45-170	8		30
Perfluorododecanoic Acid (PFDoA)	91		90		67-153	1		30
Perfluorotridecanoic Acid (PFTrDA)	100		102		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	92		91		59-182	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 04 Batch: WG1347919-2 WG1347919-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		114		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		103		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		99		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		100		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		112		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		104		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	127		128		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		109		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		112		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		101		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	143		133		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	99		94		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		111		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	50		53		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	89		86		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		96		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		92		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN

Project Number: BGP1901

Lab Number: L2009600

Report Date: 03/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1347969-2 WG1347969-3								
Perfluorobutanoic Acid (PFBA)	109		96		71-135	13		30
Perfluoropentanoic Acid (PFPeA)	108		96		69-132	12		30
Perfluorobutanesulfonic Acid (PFBS)	100		85		72-128	16		30
Perfluorohexanoic Acid (PFHxA)	104		94		70-132	10		30
Perfluoroheptanoic Acid (PFHpA)	108		92		71-131	16		30
Perfluorohexanesulfonic Acid (PFHxS)	102		85		67-130	18		30
Perfluorooctanoic Acid (PFOA)	111		95		69-133	16		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	106		101		64-140	5		30
Perfluoroheptanesulfonic Acid (PFHpS)	113		88		70-132	25		30
Perfluorononanoic Acid (PFNA)	106		96		72-129	10		30
Perfluorooctanesulfonic Acid (PFOS)	109		84		68-136	26		30
Perfluorodecanoic Acid (PFDA)	106		91		69-133	15		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	106		107		65-137	1		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	111		103		63-144	7		30
Perfluoroundecanoic Acid (PFUnA)	108		95		64-136	13		30
Perfluorodecanesulfonic Acid (PFDS)	113		89		59-134	24		30
Perfluorooctanesulfonamide (FOSA)	128		87		67-137	38	Q	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	94		90		61-139	4		30
Perfluorododecanoic Acid (PFDoA)	110		98		69-135	12		30
Perfluorotridecanoic Acid (PFTrDA)	114		105		66-139	8		30
Perfluorotetradecanoic Acid (PFTA)	113		98		69-133	14		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN

Lab Number: L2009600

Project Number: BGP1901

Report Date: 03/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 Batch: WG1347969-2 WG1347969-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	80		85		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		94		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	86		90		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	79		85		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	83		89		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	90		99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	85		91		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	105		95		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		94		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	89		96		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	88		94		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	122		119		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	78		82		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	95		99		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	1		2		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	74		72		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	89		92		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	78		80		26-160

Matrix Spike Analysis**Batch Quality Control****Project Name:** 1015 ATLANTIC AVENUE, BROOKLYN**Project Number:** BGP1901**Lab Number:** L2009600**Report Date:** 03/17/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1347969-4 QC Sample: L2009600-01 Client ID: 19SB3 (0-4')												
Perfluorobutanoic Acid (PFBA)	ND	5.05	4.68	93		-	-		71-135	-		30
Perfluoropentanoic Acid (PFPeA)	ND	5.05	4.85	96		-	-		69-132	-		30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.48	3.93	88		-	-		72-128	-		30
Perfluorohexanoic Acid (PFHxA)	0.065J	5.05	4.67	92		-	-		70-132	-		30
Perfluoroheptanoic Acid (PFHpA)	ND	5.05	4.76	94		-	-		71-131	-		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.61	4.25	92		-	-		67-130	-		30
Perfluorooctanoic Acid (PFOA)	0.131J	5.05	4.94	98		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.8	4.45	93		-	-		64-140	-		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.8	4.76	99		-	-		70-132	-		30
Perfluorononanoic Acid (PFNA)	ND	5.05	4.63	92		-	-		72-129	-		30
Perfluorooctanesulfonic Acid (PFOS)	0.152J	4.68	4.30	92		-	-		68-136	-		30
Perfluorodecanoic Acid (PFDA)	ND	5.05	4.69	93		-	-		69-133	-		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.85	4.92	101		-	-		65-137	-		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.05	5.09	101		-	-		63-144	-		30
Perfluoroundecanoic Acid (PFUnA)	ND	5.05	4.64	92		-	-		64-136	-		30
Perfluorodecanesulfonic Acid (PFDS)	ND	4.88	4.79	98		-	-		59-134	-		30
Perfluorooctanesulfonamide (FOSA)	ND	5.05	4.71	93		-	-		67-137	-		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.05	4.21	83		-	-		61-139	-		30
Perfluorododecanoic Acid (PFDoA)	ND	5.05	5.01	99		-	-		69-135	-		30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.05	5.61	111		-	-		66-139	-		30
Perfluorotetradecanoic Acid (PFTA)	ND	5.05	5.06	100		-	-		69-133	-		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** 1015 ATLANTIC AVENUE, BROOKLYN**Lab Number:** L2009600**Project Number:** BGP1901**Report Date:** 03/17/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1347969-4 QC Sample: L2009600-01 Client ID: 19SB3 (0-4')												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	120				25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	107				32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	68				42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73				45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	101				64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	93				65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89				61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92				62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	97				63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93				56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86				26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	92				60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102				65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	72				1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	100				65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98				61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91				70-151

Lab Duplicate Analysis Batch Quality Control

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN

Project Number: BGP1901

Lab Number: L2009600

Report Date: 03/17/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1347969-5 QC Sample: L2009600-02 Client ID: 19SB3 (23-25')						
Perfluorobutanoic Acid (PFBA)	ND	ND	ug/kg	NC		30
Perfluoropentanoic Acid (PFPeA)	ND	ND	ug/kg	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ug/kg	NC		30
Perfluorohexanoic Acid (PFHxA)	ND	ND	ug/kg	NC		30
Perfluoroheptanoic Acid (PFHpA)	ND	ND	ug/kg	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ug/kg	NC		30
Perfluorooctanoic Acid (PFOA)	ND	0.108J	ug/kg	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ug/kg	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ug/kg	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ug/kg	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ug/kg	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ug/kg	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ug/kg	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ug/kg	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ug/kg	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ug/kg	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ug/kg	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ug/kg	NC		30

Lab Duplicate Analysis **Batch Quality Control**

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN

Project Number: BGP1901

Lab Number: L2009600

Report Date: 03/17/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1347969-5 QC Sample: L2009600-02 Client ID: 19SB3 (23-25')						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ug/kg	NC		30
PFOA/PFOS, Total	ND	0.108J	ug/kg	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	83		89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	94		99		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		91		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	81		86		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	84		88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	80		95		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	84		88		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	80		99		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	91		90		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	84		102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	84		92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	98		94		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	61		67		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		96		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	18		51		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	57		65		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	78		88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	60		62		26-160

INORGANICS & MISCELLANEOUS

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-01
Client ID: 19SB3 (0-4')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 08:23
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.8		%	0.100	0.100	1	-	03/06/20 12:51	121,2540G	LB



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-02
Client ID: 19SB3 (23-25')
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:40
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	36.8		%	0.100	0.100	1	-	03/06/20 12:51	121,2540G	LB



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

SAMPLE RESULTS

Lab ID: L2009600-03
Client ID: PFAS DUPLICATE
Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN

Date Collected: 03/02/20 13:43
Date Received: 03/04/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.8		%	0.100	0.100	1	-	03/06/20 12:51	121,2540G	LB



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN**Project Number:** BGP1901**Lab Duplicate Analysis***Batch Quality Control***Lab Number:** L2009600**Report Date:** 03/17/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1348120-1 QC Sample: L2009600-01 Client ID: 19SB3 (0-4')						
Solids, Total	90.8	89.1	%	2		10

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN**Lab Number:** L2009600**Project Number:** BGP1901**Report Date:** 03/17/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2009600-01A	Plastic 8oz unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L2009600-01B	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		A2-TS(7)
L2009600-02A	Plastic 8oz unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L2009600-02B	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		A2-TS(7)
L2009600-03A	Plastic 8oz unpreserved	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(28)
L2009600-03B	Plastic 2oz unpreserved for TS	A	NA		3.8	Y	Absent		A2-TS(7)
L2009600-04A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		3.8	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Serial_No:03172014:25
Lab Number: L2009600
Report Date: 03/17/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 1015 ATLANTIC AVENUE, BROOKLYN
Project Number: BGP1901

Lab Number: L2009600
Report Date: 03/17/20

REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 3/15/20		ALPHA Job # L2009600			
		Project Information Project Name: 1015 Atlantic Avenue, Brooklyn Project Location: 1015 Atlantic Avenue, Brooklyn Project #: BGP1901 (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #					
Client Information Client: Environmental Business Consultants Address: 1808 Middle Country Road Ridge NY 11961 Phone: 631 504 6000 Fax: <i>631 504 6000</i> Email: <i>kbutler@ebcincny.com</i>		Project Manager: Keith Butler ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☒ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:					
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: Please send Excel and PDF Deliverables Please specify Metals or TAL.						ANALYSIS		Sample Filtration ☐ Done ☒ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		PFAS 537	
2009600-01		19SB3 (0-4')		3/3/2020 8:23		S		NB		X	
-02		19SB3 (23-25')		3/3/2020 1:40		S		NB		X	
-03		PFAS Duplicate		3/3/2020 1:43		S		NB		X	
-04		Rinseate Blank 2/25/2020		3/3/2020 1:45		S		NB		X	
		~~MS/MSD~~		~~3/3/2020 1:51~~		~~S~~		~~NB~~		~~X~~	
Preservative Code A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH Q = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type P		Preservative A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS .	
Relinquished By: Nicholas Byrnes <i>T. Hunkler</i>		Date/Time: 3/3/2020 14:04 3/4/20 2100 3/5/20 0900		Received By: <i>Paula...</i> 3/4/20 11:50 3/4/20 2100 3/4/20 0500							



ANALYTICAL REPORT

Lab Number:	L2005888
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Charlie Sosik
Phone:	(631) 504-6000
Project Name:	1015 ATLANTIC SITE
Project Number:	BGP1901
Report Date:	02/24/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
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Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2005888-01	19B4 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 11:45	02/10/20
L2005888-02	19B4 (23-25')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 12:30	02/10/20
L2005888-03	19B5 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 09:45	02/10/20
L2005888-04	19B5 (23-25')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 10:45	02/10/20
L2005888-05	19B6 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 12:00	02/10/20
L2005888-06	19B7 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 13:30	02/10/20
L2005888-07	19B7 (23-25')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 14:10	02/10/20
L2005888-08	19B8 (0-4')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 15:10	02/10/20
L2005888-09	19B8 (23-25')	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 16:00	02/10/20
L2005888-10	SOIL DUPLICATE	SOIL	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 00:00	02/10/20
L2005888-11	RINSATE BLANK	WATER	1015 ATLANTIC AVENUE, BROOKLYN, NY	02/06/20 16:15	02/10/20

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2005888-01: The collection date and time on the chain of custody was 6-FEB-20 11:45; however, the collection date/time on the container label was 6-FEB-20 11:56. At the client's request, the collection date/time is reported as 06-FEB-20 11:45.

L2005888-02: The collection date and time on the chain of custody was 6-FEB-20 12:30; however, the collection date/time on the container label was 6-FEB-20 11:37. At the client's request, the collection date/time is reported as 06-FEB-20 12:30.

L2005888-04: The collection date and time on the chain of custody was 6-FEB-20 10:45; however, the collection date/time on the container label was 6-FEB-20 11:00. At the client's request, the collection date/time is reported as 06-FEB-20 10:45.

L2005888-05: The collection date and time on the chain of custody was 6-FEB-20 12:00; however, the collection date/time on the container label was 6-FEB-20 13:27. At the client's request, the collection date/time is reported as 06-FEB-20 12:00.

L2005888-06: The collection date and time on the chain of custody was 6-FEB-20 13:30; however, the collection date/time on the container label was 6-FEB-20 15:30. At the client's request, the collection date/time is reported as 06-FEB-20 13:30.

L2005888-07: The collection date and time on the chain of custody was 6-FEB-20 14:10; however, the collection date/time on the container label was 6-FEB-20 15:54. At the client's request, the collection date/time is reported as 06-FEB-20 14:10.

L2005888-08: The collection date and time on the chain of custody was 6-FEB-20 15:10; however, the collection date/time on the container label was 6-FEB-20 00:00. At the client's request, the collection date/time is reported as 06-FEB-20 15:10.

L2005888-09: The collection date and time on the chain of custody was 6-FEB-20 16:00; however, the

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Case Narrative (continued)

collection date/time on the container label was 6-FEB-20 16:58. At the client's request, the collection date/time is reported as 06-FEB-20 16:00.

L2005888-10: The collection date and time on the chain of custody was 6-FEB-20 00:00; however, the collection date/time on the container label was 6-FEB-20 14:00. At the client's request, the collection date/time is reported as 06-FEB-20 00:00.

L2005888-11: The collection date and time on the chain of custody was 6-FEB-20 16:15; however, the collection date/time on the container label was 6-FEB-20 00:00. At the client's request, the collection date/time is reported as 06-FEB-20 16:15.

Perfluorinated Alkyl Acids by Isotope Dilution

L2005888-07, -09, and -11: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1339844-2/-3: The LCS/LCSD recoveries, associated with L2005888-01 through -10, are above the acceptance criteria for and 1h,1h,2h,2h-perfluorodecanesulfonic acid (8:2fts) (138%/154%); however, the associated samples are non-detect to the RL for this target analyte. The results of the original analysis are reported.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Elizabeth Porta

Title: Technical Director/Representative

Date: 02/24/20

ORGANICS

SEMIVOLATILES

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-01
 Client ID: 19B4 (0-4')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 11:45
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 03:02
 Analyst: RS
 Percent Solids: 90%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	0.030	J	ug/kg	1.05	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.05	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.05	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.062	J	ug/kg	1.05	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.05	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.05	0.063	1
Perfluorooctanoic Acid (PFOA)	0.231	J	ug/kg	1.05	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.05	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.05	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.05	0.079	1
Perfluorooctanesulfonic Acid (PFOS)	0.153	J	ug/kg	1.05	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.05	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.05	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.05	0.211	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.05	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.05	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.05	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.05	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.05	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.05	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.05	0.057	1
PFOA/PFOS, Total	0.384	J	ug/kg	1.05	0.044	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-01

Date Collected: 02/06/20 11:45

Client ID: 19B4 (0-4')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	106		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	129		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	108		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	133		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	89		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	113		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	86		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	99		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-02
 Client ID: 19B4 (23-25')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 12:30
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 03:18
 Analyst: RS
 Percent Solids: 91%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.03	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.153	J	ug/kg	1.03	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.03	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.182	J	ug/kg	1.03	0.054	1
Perfluoroheptanoic Acid (PFHpA)	0.165	J	ug/kg	1.03	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.03	0.062	1
Perfluorooctanoic Acid (PFOA)	0.752	J	ug/kg	1.03	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.03	0.184	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.03	0.140	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.03	0.077	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.03	0.134	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.03	0.069	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.03	0.295	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.03	0.207	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.03	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.03	0.157	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.03	0.101	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.03	0.087	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.03	0.072	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.03	0.210	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.03	0.056	1
PFOA/PFOS, Total	0.752	J	ug/kg	1.03	0.043	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-02

Date Collected: 02/06/20 12:30

Client ID: 19B4 (23-25')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-03
 Client ID: 19B5 (0-4')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 09:45
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 03:51
 Analyst: RS
 Percent Solids: 92%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.01	0.023	1
Perfluoropentanoic Acid (PFPeA)	0.064	J	ug/kg	1.01	0.047	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.01	0.040	1
Perfluorohexanoic Acid (PFHxA)	0.067	J	ug/kg	1.01	0.053	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.01	0.046	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.01	0.061	1
Perfluorooctanoic Acid (PFOA)	0.205	J	ug/kg	1.01	0.043	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.01	0.182	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.01	0.138	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.01	0.076	1
Perfluorooctanesulfonic Acid (PFOS)	0.136	J	ug/kg	1.01	0.132	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.01	0.068	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.01	0.291	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.01	0.204	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.01	0.048	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.01	0.155	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.01	0.099	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.01	0.086	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.01	0.071	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.01	0.208	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.01	0.055	1
PFOA/PFOS, Total	0.341	J	ug/kg	1.01	0.043	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-03

Date Collected: 02/06/20 09:45

Client ID: 19B5 (0-4')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	97		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	104		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	106		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	110		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	110		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	121		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	122		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	79		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	95		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-04
 Client ID: 19B5 (23-25')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 10:45
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 04:08
 Analyst: RS
 Percent Solids: 95%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.997	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.997	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.997	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.997	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.997	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.997	0.060	1
Perfluorooctanoic Acid (PFOA)	0.082	J	ug/kg	0.997	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.997	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.997	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.997	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.997	0.130	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.997	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.997	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.997	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.997	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.997	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.997	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.997	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.997	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.997	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.997	0.054	1
PFOA/PFOS, Total	0.082	J	ug/kg	0.997	0.042	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-04**Date Collected:** 02/06/20 10:45**Client ID:** 19B5 (23-25')**Date Received:** 02/10/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	91		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	91		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	87		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	92		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	112		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	99		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	96		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	95		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	78		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-05
 Client ID: 19B6 (0-4')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 12:00
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 04:24
 Analyst: RS
 Percent Solids: 94%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.927	0.021	1
Perfluoropentanoic Acid (PFPeA)	0.047	J	ug/kg	0.927	0.043	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.927	0.036	1
Perfluorohexanoic Acid (PFHxA)	0.051	J	ug/kg	0.927	0.049	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.927	0.042	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.927	0.056	1
Perfluorooctanoic Acid (PFOA)	0.172	J	ug/kg	0.927	0.039	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.927	0.166	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.927	0.126	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.927	0.070	1
Perfluorooctanesulfonic Acid (PFOS)	0.171	J	ug/kg	0.927	0.120	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.927	0.062	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.927	0.266	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.927	0.187	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.927	0.043	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.927	0.142	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.927	0.091	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.927	0.078	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.927	0.065	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.927	0.190	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.927	0.050	1
PFOA/PFOS, Total	0.343	J	ug/kg	0.927	0.039	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-05

Date Collected: 02/06/20 12:00

Client ID: 19B6 (0-4')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	98		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	88		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	95		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	92		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	109		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	51		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	64		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	100		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	92		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-06
 Client ID: 19B7 (0-4')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 13:30
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 04:41
 Analyst: RS
 Percent Solids: 87%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.10	0.025	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.10	0.051	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.10	0.043	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.10	0.058	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.10	0.050	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.10	0.067	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.10	0.046	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.10	0.198	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.10	0.151	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.10	0.083	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.10	0.143	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.10	0.074	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.10	0.317	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.10	0.222	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.10	0.052	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.10	0.169	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.10	0.108	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.10	0.093	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.10	0.077	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.10	0.226	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.10	0.060	1
PFOA/PFOS, Total	ND		ug/kg	1.10	0.046	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-06**Date Collected:** 02/06/20 13:30**Client ID:** 19B7 (0-4')**Date Received:** 02/10/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	93		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	91		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	99		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	108		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	73		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	80		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	97		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-07
 Client ID: 19B7 (23-25')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 14:10
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 04:58
 Analyst: RS
 Percent Solids: 94%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.984	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.984	0.045	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.984	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.984	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.984	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.984	0.060	1
Perfluorooctanoic Acid (PFOA)	0.047	J	ug/kg	0.984	0.041	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.984	0.177	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.984	0.134	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.984	0.074	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.984	0.128	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.984	0.066	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.984	0.282	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.984	0.198	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.984	0.046	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.984	0.150	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.984	0.096	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.984	0.083	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.984	0.069	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.984	0.201	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.984	0.053	1
PFOA/PFOS, Total	0.047	J	ug/kg	0.984	0.041	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-07

Date Collected: 02/06/20 14:10

Client ID: 19B7 (23-25')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	69		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	74		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	75		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	67		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	72		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	82		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	73		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	83		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	76		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	69		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	72		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	76		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	29	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	78		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	34	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	63		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	23	Q	26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-08
 Client ID: 19B8 (0-4')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 15:10
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 05:14
 Analyst: RS
 Percent Solids: 89%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.04	0.024	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.04	0.048	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.04	0.041	1
Perfluorohexanoic Acid (PFHxA)	0.080	J	ug/kg	1.04	0.055	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.04	0.047	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.04	0.063	1
Perfluorooctanoic Acid (PFOA)	0.515	J	ug/kg	1.04	0.044	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.04	0.188	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.04	0.143	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.04	0.078	1
Perfluorooctanesulfonic Acid (PFOS)	0.380	J	ug/kg	1.04	0.136	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.04	0.070	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.04	0.300	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.04	0.210	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.04	0.049	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.04	0.160	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.04	0.102	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.04	0.088	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.04	0.073	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.04	0.214	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.04	0.056	1
PFOA/PFOS, Total	0.895	J	ug/kg	1.04	0.044	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-08**Date Collected:** 02/06/20 15:10**Client ID:** 19B8 (0-4')**Date Received:** 02/10/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	117		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	104		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	129		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	86		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	108		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	69		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	90		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	88		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-09
 Client ID: 19B8 (23-25')
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 16:00
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 05:31
 Analyst: RS
 Percent Solids: 95%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.996	0.023	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.996	0.046	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.996	0.039	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.996	0.052	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.996	0.045	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.996	0.060	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.996	0.042	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.996	0.179	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.996	0.136	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.996	0.075	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.996	0.129	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.996	0.067	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.996	0.286	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.996	0.201	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.996	0.047	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.996	0.152	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.996	0.098	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.996	0.084	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.996	0.070	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.996	0.204	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.996	0.054	1
PFOA/PFOS, Total	ND		ug/kg	0.996	0.042	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-09

Date Collected: 02/06/20 16:00

Client ID: 19B8 (23-25')

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	74		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	79		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	77		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	73		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	77		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	84		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	80		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	89		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	84		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	83		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	77		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	79		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	34	Q	45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	79		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	10		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	38	Q	42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	67		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	32		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-10
 Client ID: SOIL DUPLICATE
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 00:00
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/20/20 07:27
 Analyst: RS
 Percent Solids: 83%

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	1.13	0.026	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.13	0.052	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.13	0.044	1
Perfluorohexanoic Acid (PFHxA)	0.061	J	ug/kg	1.13	0.060	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.13	0.051	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.13	0.069	1
Perfluorooctanoic Acid (PFOA)	0.169	J	ug/kg	1.13	0.047	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.13	0.203	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.13	0.155	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.13	0.085	1
Perfluorooctanesulfonic Acid (PFOS)	0.224	J	ug/kg	1.13	0.147	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.13	0.076	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.13	0.325	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.13	0.228	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.13	0.053	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.13	0.173	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.13	0.111	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	0.190	J	ug/kg	1.13	0.096	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.13	0.079	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.13	0.232	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.13	0.061	1
PFOA/PFOS, Total	0.393	J	ug/kg	1.13	0.047	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-10**Date Collected:** 02/06/20 00:00**Client ID:** SOIL DUPLICATE**Date Received:** 02/10/20**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	100		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	96		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	112		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	102		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	104		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	108		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	60		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	112		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	70		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	64		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		26-160

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-11
 Client ID: RINSATE BLANK
 Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Date Collected: 02/06/20 16:15
 Date Received: 02/10/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 02/19/20 18:20
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 02/12/20 11:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	1.92	0.392	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	1.92	0.381	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	1.92	0.229	1
Perfluorohexanoic Acid (PFHxA)	0.331	J	ng/l	1.92	0.315	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	1.92	0.216	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	1.92	0.362	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	1.92	0.227	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	1.92	1.28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	1.92	0.662	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	1.92	0.300	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	1.92	0.485	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	1.92	0.292	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	1.92	1.16	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	1.92	0.623	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	1.92	0.250	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	1.92	0.942	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	1.92	0.558	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	1.92	0.773	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	1.92	0.358	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	1.92	0.315	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	1.92	0.238	1
PFOA/PFOS, Total	ND		ng/l	1.92	0.227	1

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**SAMPLE RESULTS**

Lab ID: L2005888-11

Date Collected: 02/06/20 16:15

Client ID: RINSATE BLANK

Date Received: 02/10/20

Sample Location: 1015 ATLANTIC AVENUE, BROOKLYN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	71		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	76		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	104		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	69		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	76		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	111		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	82		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	133		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	93		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	89		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	232	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	80		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	92		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	2		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	35		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	83		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	80		33-143

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/20 21:47
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-10 Batch: WG1339844-1					
Perfluorobutanoic Acid (PFBA)	0.099	J	ug/kg	1.00	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	1.00	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	1.00	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	1.00	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	1.00	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	1.00	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	1.00	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	1.00	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	1.00	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	1.00	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	1.00	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	1.00	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	1.00	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	1.00	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	1.00	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	1.00	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	1.00	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	1.00	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	1.00	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	1.00	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	1.00	0.054
PFOA/PFOS, Total	ND		ug/kg	1.00	0.042

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/20 21:47
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/12/20 09:40

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01-10 Batch: WG1339844-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	93		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	93		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	88		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	89		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	100		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	94		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	94		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	92		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	115		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	81		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	97		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	17		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	75		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/20 16:57
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/12/20 11:47

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 11 Batch: WG1339942-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	ND		ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Lab Number: L2005888
Report Date: 02/24/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 02/19/20 16:57
Analyst: RS

Extraction Method: ALPHA 23528
Extraction Date: 02/12/20 11:47

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 11 Batch: WG1339942-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	115		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	97		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	103		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	109		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	102		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	107		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NetFOSAA)	108		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	93		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 Batch: WG1339844-2 WG1339844-3								
Perfluorobutanoic Acid (PFBA)	114		115		71-135	1		30
Perfluoropentanoic Acid (PFPeA)	124		125		69-132	1		30
Perfluorobutanesulfonic Acid (PFBS)	111		113		72-128	2		30
Perfluorohexanoic Acid (PFHxA)	115		116		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	115		115		71-131	0		30
Perfluorohexanesulfonic Acid (PFHxS)	111		110		67-130	1		30
Perfluorooctanoic Acid (PFOA)	121		128		69-133	6		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	134		130		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		117		70-132	1		30
Perfluorononanoic Acid (PFNA)	119		118		72-129	1		30
Perfluorooctanesulfonic Acid (PFOS)	109		112		68-136	3		30
Perfluorodecanoic Acid (PFDA)	111		117		69-133	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	138	Q	154	Q	65-137	11		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	134		120		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	116		115		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	118		114		59-134	3		30
Perfluorooctanesulfonamide (FOSA)	112		104		67-137	7		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	126		120		61-139	5		30
Perfluorododecanoic Acid (PFDoA)	122		122		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	126		128		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	126		124		69-133	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 Batch: WG1339844-2 WG1339844-3

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		100		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	101		105		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	101		99		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		98		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	97		103		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	107		107		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		104		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	119		118		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		110		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		108		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		102		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	124		117		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	83		80		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		112		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	8		8		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	83		79		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		99		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	75		82		26-160

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1015 ATLANTIC SITE

Lab Number: L2005888

Project Number: BGP1901

Report Date: 02/24/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 11 Batch: WG1339942-2 WG1339942-3								
Perfluorobutanoic Acid (PFBA)	116		121		67-148	4		30
Perfluoropentanoic Acid (PFPeA)	126		130		63-161	3		30
Perfluorobutanesulfonic Acid (PFBS)	113		120		65-157	6		30
Perfluorohexanoic Acid (PFHxA)	116		122		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	114		123		58-159	8		30
Perfluorohexanesulfonic Acid (PFHxS)	117		116		69-177	1		30
Perfluorooctanoic Acid (PFOA)	122		125		63-159	2		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	134		144		49-187	7		30
Perfluoroheptanesulfonic Acid (PFHpS)	125		120		61-179	4		30
Perfluorononanoic Acid (PFNA)	118		123		68-171	4		30
Perfluorooctanesulfonic Acid (PFOS)	110		116		52-151	5		30
Perfluorodecanoic Acid (PFDA)	115		117		63-171	2		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	144		137		56-173	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	122		136		60-166	11		30
Perfluoroundecanoic Acid (PFUnA)	121		128		60-153	6		30
Perfluorodecanesulfonic Acid (PFDS)	114		110		38-156	4		30
Perfluorooctanesulfonamide (FOSA)	108		141		46-170	27		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	123		128		45-170	4		30
Perfluorododecanoic Acid (PFDoA)	123		125		67-153	2		30
Perfluorotridecanoic Acid (PFTrDA)	138		134		48-158	3		30
Perfluorotetradecanoic Acid (PFTA)	129		127		59-182	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Lab Number: L2005888

Project Number: BGP1901

Report Date: 02/24/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 11 Batch: WG1339942-2 WG1339942-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	96		95		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	102		100		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		98		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	92		92		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	98		106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		99		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	116		120		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	102		106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	99		108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	98		100		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	110		128		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	101		99		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	105		100		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	3		4		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	100		100		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		94		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87		90		33-143

Matrix Spike Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1339844-4 QC Sample: L2005888-01 Client ID: 19B4 (0-4')												
Perfluorobutanoic Acid (PFBA)	0.030J	5.18	6.27	121	-	-	-	-	71-135	-	-	30
Perfluoropentanoic Acid (PFPeA)	ND	5.18	6.78	131	-	-	-	-	69-132	-	-	30
Perfluorobutanesulfonic Acid (PFBS)	ND	4.59	5.37	117	-	-	-	-	72-128	-	-	30
Perfluorohexanoic Acid (PFHxA)	0.062J	5.18	6.29	121	-	-	-	-	70-132	-	-	30
Perfluoroheptanoic Acid (PFHpA)	ND	5.18	6.22	120	-	-	-	-	71-131	-	-	30
Perfluorohexanesulfonic Acid (PFHxS)	ND	4.73	5.40	114	-	-	-	-	67-130	-	-	30
Perfluorooctanoic Acid (PFOA)	0.231J	5.18	6.81	131	-	-	-	-	69-133	-	-	30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	4.92	6.72	136	-	-	-	-	64-140	-	-	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	4.92	6.22	126	-	-	-	-	70-132	-	-	30
Perfluorononanoic Acid (PFNA)	ND	5.18	6.28	121	-	-	-	-	72-129	-	-	30
Perfluorooctanesulfonic Acid (PFOS)	0.153J	4.8	5.75	120	-	-	-	-	68-136	-	-	30
Perfluorodecanoic Acid (PFDA)	ND	5.18	6.11	118	-	-	-	-	69-133	-	-	30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	4.98	6.75	136	-	-	-	-	65-137	-	-	30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	5.18	7.44	143	-	-	-	-	63-144	-	-	30
Perfluoroundecanoic Acid (PFUnA)	ND	5.18	6.28	121	-	-	-	-	64-136	-	-	30
Perfluorodecanesulfonic Acid (PFDS)	ND	5.01	6.19	124	-	-	-	-	59-134	-	-	30
Perfluorooctanesulfonamide (FOSA)	ND	5.18	6.32	122	-	-	-	-	67-137	-	-	30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	5.18	6.91	133	-	-	-	-	61-139	-	-	30
Perfluorododecanoic Acid (PFDoA)	ND	5.18	6.49	125	-	-	-	-	69-135	-	-	30
Perfluorotridecanoic Acid (PFTrDA)	ND	5.18	7.15	138	-	-	-	-	66-139	-	-	30
Perfluorotetradecanoic Acid (PFTA)	ND	5.18	6.83	132	-	-	-	-	69-133	-	-	30

Matrix Spike Analysis

Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1339844-4 QC Sample: L2005888-01 Client ID: 19B4 (0-4')												

Surrogate (Extracted Internal Standard)	MS		MSD		Acceptance Criteria
	% Recovery	Qualifier	% Recovery	Qualifier	
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	119				25-186
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	104				32-182
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66				42-136
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	66				45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	102				64-158
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	96				65-150
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	84				61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	91				62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	93				63-166
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	90				56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	87				26-160
Perfluoro[13C4]Butanoic Acid (MPFBA)	91				60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	95				65-182
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62				1-125
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	93				65-151
Perfluoro[13C8]Octanoic Acid (M8PFOA)	94				62-152
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	98				61-154
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90				70-151

Lab Duplicate Analysis Batch Quality Control

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1339844-5 QC Sample: L2005888-02 Client ID: 19B4 (23-25')						
Perfluorobutanoic Acid (PFBA)	ND	ND	ug/kg	NC		30
Perfluoropentanoic Acid (PFPeA)	0.153J	0.141J	ug/kg	NC		30
Perfluorobutanesulfonic Acid (PFBS)	ND	ND	ug/kg	NC		30
Perfluorohexanoic Acid (PFHxA)	0.182J	0.163J	ug/kg	NC		30
Perfluoroheptanoic Acid (PFHpA)	0.165J	0.155J	ug/kg	NC		30
Perfluorohexanesulfonic Acid (PFHxS)	ND	ND	ug/kg	NC		30
Perfluorooctanoic Acid (PFOA)	0.752J	0.757J	ug/kg	NC		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND	ND	ug/kg	NC		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ug/kg	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonic Acid (PFOS)	ND	ND	ug/kg	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ug/kg	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ug/kg	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ug/kg	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ug/kg	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ug/kg	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ug/kg	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ug/kg	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ug/kg	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ug/kg	NC		30

Lab Duplicate Analysis **Batch Quality Control**

Project Name: 1015 ATLANTIC SITE

Project Number: BGP1901

Lab Number: L2005888

Report Date: 02/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1339844-5 QC Sample: L2005888-02 Client ID: 19B4 (23-25')						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ug/kg	NC		30
PFOA/PFOS, Total	0.752J	0.757J	ug/kg	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		111		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		115		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		111		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		105		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		113		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	120		119		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		112		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	126		123		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	106		119		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	116		115		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		118		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	126		127		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	56		58		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		124		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	59		45		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	58		66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		113		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	91		99		26-160

INORGANICS & MISCELLANEOUS

Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-01**Client ID:** 19B4 (0-4')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 11:45**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	89.5		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-02**Client ID:** 19B4 (23-25')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 12:30**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	90.7		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-03**Client ID:** 19B5 (0-4')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 09:45**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	92.1		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-04**Client ID:** 19B5 (23-25')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 10:45**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	94.6		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-05**Client ID:** 19B6 (0-4')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 12:00**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	94.4		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-06**Client ID:** 19B7 (0-4')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 13:30**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	86.7		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-07**Client ID:** 19B7 (23-25')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 14:10**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	94.1		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-08**Client ID:** 19B8 (0-4')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 15:10**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	88.8		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-09**Client ID:** 19B8 (23-25')**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 16:00**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	95.2		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Project Name: 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20**SAMPLE RESULTS****Lab ID:** L2005888-10**Client ID:** SOIL DUPLICATE**Sample Location:** 1015 ATLANTIC AVENUE, BROOKLYN, NY**Date Collected:** 02/06/20 00:00**Date Received:** 02/10/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Mansfield Lab										
Solids, Total	82.9		%	0.100	0.100	1	-	02/12/20 08:11	121,2540G	AL



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 1015 ATLANTIC SITE**Project Number:** BGP1901**Lab Number:** L2005888**Report Date:** 02/24/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Mansfield Lab Associated sample(s): 01-10 QC Batch ID: WG1339875-1 QC Sample: L2005625-01 Client ID: DUP Sample						
Solids, Total	96.1	96.0	%	0		10

Project Name: 1015 ATLANTIC SITE**Lab Number:** L2005888**Project Number:** BGP1901**Report Date:** 02/24/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2005888-01A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-01B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-02A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-02B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-03A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-03B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-04A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-04B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-05A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-05B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-06A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-06B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-07A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-07B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-08A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-08B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-09A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-09B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-10A	Plastic 8oz unpreserved	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(28)
L2005888-10B	Plastic 2oz unpreserved for TS	A	NA		3.5	Y	Absent		A2-TS(7)
L2005888-11A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		3.5	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

Serial_No:02242016:55
Lab Number: L2005888
Report Date: 02/24/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name: 1015 ATLANTIC SITE
Project Number: BGP1901

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GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



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Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



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REFERENCES

- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 2		Date Rec'd in Lab 2/11/20		ALPHA Job # L2005888			
Westborough, MA 01581 8 Walkup Dr TEL: 508-858-8220 FAX: 508-858-9193		Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-8000 FAX: 508-822-3288		Project Information Project Name: 1015 Atlantic Site Project Location: 1015 Atlantic Avenue Brooklyn NY Project # BGP1901				Deliverables ☐ ASP-A ☒ ASP-B ☒ EQUS (1 File) ☒ EQUS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #	
Client Information Client: Environmental Business Consultants Address: 1808 Middle Country Rd Ridge NY 11961 Phone: Fax: Email: csosik@ebcny.com				(Use Project name as Project #) ☐ Project Manager: Charles Sosik ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:				ANALYSIS 21 PFAS Compounds Method 537 Modified				Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total B o i l e	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		Sample Specific Comments	
2005888-01		19B4 (0-4')		2-6-2020 11:45		S		T.G.		✓	
-02		19B4 (23-25')		2-6-2020 12:30		S		T.G.		✓	
-03		19B5 (0-4')		2-6-2020 9:45		S		T.G.		✓	
-04		19B5 (23-25')		2-6-2020 10:45		S		T.G.		✓	
-05		19B6 (0-4')		2-6-2020 12:00		S		T.G.		✓	
-06		19B7 (0-4')		2-6-2020 13:30		S		T.G.		✓	
-07		19B7 (23-25')		2-6-2020 14:10		S		T.G.		✓	
-08		19B8 (0-4')		2-6-2020 15:10		S		T.G.		✓	
-09		19B8 (23-25')		2-6-2020 16:00		S		T.G.		✓	
-10		Soil Duplicate		2-6-2020		S		T.G.		✓	
Preservative Code A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH Q = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube Q = Other D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type P		Preservative A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By T. Hunkler		Date/Time 2/11/20 15:00		Received By T. Hunkler		Date/Time 2/11/20 9:12		Date/Time 2/11/20 10:45		Date/Time 2/11/20 21:15	
T. Hunkler 2/11/20 0445		E. K. C. - ATC 2/11/20 0445									

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Tuesday, March 31, 2020

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1015 ATLANTIC AVE BROOKLYN
SDG ID: GCF48107
Sample ID#s: CF48107 - CF48111

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink, appearing to read "Phyllis Shiller".

Phyllis Shiller

Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1015 ATLANTIC AVE BROOKLYN
Laboratory Project: GCF48107



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

March 31, 2020

SDG I.D.: GCF48107

Environmental Business Consultants 1015 ATLANTIC AVE BROOKLYN

Methodology Summary

1,4 Dioxane in Water

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8270-MOD (SIM)

EPA method 522 Ver 1 Sept 2008

Massachusetts Compendium of Analytical Procedures (CAM) Method 8270 Appendix IIB

ICP-MS

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update V, Method 6020B.

Environmental Protection Agency, EPA-600/4-79-020, method 200.8

Mercury

Methods for Chemical Analyses of Water and Wastes, EPA, Environmental Monitoring Systems Laboratory Cincinnati (EMSL-CL), EPA-600/4-79-020, method 245.1

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7470A.

Metals

ICP :

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 6010D.

Mercury:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods Update III, 7471B

Pesticides:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8081B.

Polychlorinated Biphenyls (PCBs):

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8082A.

Semivolatile Organic Compounds

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D.

Semi-volatiles analysis



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USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update IV, Method 8270D (SIM - selective ion monitoring mode).

Volatile Organic Compounds:

USEPA SW-846 Test Methods for Evaluating Solid Waste Physical/Chemical Methods 3rd Ed. Update III, Method 8260C and Environmental Protection Agency, EPA-600/4-79-020, Revised March 1983 (Methods 624) as printed in 40CFR part 136.



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Laboratory Chronicle

The samples in this delivery group were received at 3.1°C.

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CF48107	1,4-dioxane	03/10/20	03/12/20	03/13/20	AW	Y
CF48107	Aluminum	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Aluminum (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Antimony	03/10/20	03/12/20	03/13/20	CPP	Y
CF48107	Antimony (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Arsenic - LDL	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Arsenic, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Barium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Barium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Beryllium	03/10/20	03/12/20	03/17/20	TH	Y
CF48107	Beryllium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Cadmium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Cadmium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Calcium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Calcium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Chromium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Chromium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Cobalt	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Cobalt, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Copper	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Copper, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Iron	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Iron, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Lead	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Lead (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Magnesium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Magnesium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Manganese	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Manganese, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Mercury	03/10/20	03/13/20	03/13/20	RS	Y
CF48107	Mercury (Dissolved)	03/10/20	03/12/20	03/12/20	RS	Y
CF48107	Nickel	03/10/20	03/12/20	03/14/20	CPP	Y



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CF48107	Nickel, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Pesticides	03/10/20	03/16/20	03/17/20	CG	Y
CF48107	Polychlorinated Biphenyls	03/10/20	03/16/20	03/17/20	SC	Y
CF48107	Potassium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Potassium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Selenium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Selenium (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Semivolatiles	03/10/20	03/16/20	03/18/20	WB	Y
CF48107	Semivolatiles	03/10/20	03/16/20	03/18/20	WB	Y
CF48107	Silver	03/10/20	03/12/20	03/13/20	EK	Y
CF48107	Silver (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Sodium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Sodium (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48107	Thallium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48107	Thallium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Vanadium	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Vanadium, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48107	Volatiles	03/10/20	03/16/20	03/16/20	MH	Y
CF48107	Volatiles	03/10/20	03/16/20	03/16/20	MH	Y
CF48107	Zinc	03/10/20	03/12/20	03/14/20	CPP	Y
CF48107	Zinc, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	1,4-dioxane	03/10/20	03/12/20	03/13/20	AW	Y
CF48108	Aluminum	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Aluminum (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Antimony	03/10/20	03/12/20	03/13/20	CPP	Y
CF48108	Antimony (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Arsenic - LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Arsenic, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Barium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Barium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Beryllium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Beryllium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Cadmium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Cadmium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Calcium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Calcium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Chromium	03/10/20	03/11/20	03/12/20	CPP	Y



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CF48108	Chromium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Cobalt	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Cobalt, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Copper	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Copper, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Iron	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Iron, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Lead	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Lead (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Magnesium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Magnesium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Manganese	03/10/20	03/11/20	03/13/20	EK	Y
CF48108	Manganese, (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48108	Mercury	03/10/20	03/12/20	03/12/20	RS	Y
CF48108	Mercury (Dissolved)	03/10/20	03/12/20	03/12/20	RS	Y
CF48108	Nickel	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Nickel, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Pesticides	03/10/20	03/12/20	03/13/20	CG	Y
CF48108	Polychlorinated Biphenyls	03/10/20	03/12/20	03/13/20	SC	Y
CF48108	Potassium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Potassium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Selenium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48108	Selenium (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Semivolatiles	03/10/20	03/11/20	03/13/20	WB	Y
CF48108	Semivolatiles	03/10/20	03/11/20	03/14/20	WB	Y
CF48108	Silver	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Silver (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Sodium	03/10/20	03/11/20	03/13/20	EK	Y
CF48108	Sodium (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48108	Thallium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48108	Thallium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Vanadium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Vanadium, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y
CF48108	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y
CF48108	Zinc	03/10/20	03/11/20	03/12/20	CPP	Y
CF48108	Zinc, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y



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CF48109	1,4-dioxane	03/10/20	03/12/20	03/13/20	AW	Y
CF48109	Aluminum	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Aluminum (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Antimony	03/10/20	03/12/20	03/13/20	CPP	Y
CF48109	Antimony (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Arsenic - LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Arsenic, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Barium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Barium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Beryllium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Beryllium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Cadmium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Cadmium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Calcium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Calcium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Chromium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Chromium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Client MS/MSD	03/10/20	03/16/20	03/16/20		Y
CF48109	Cobalt	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Cobalt, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Copper	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Copper, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Iron	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Iron, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Lead	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Lead (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Magnesium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Magnesium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Manganese	03/10/20	03/11/20	03/13/20	EK	Y
CF48109	Manganese, (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48109	Mercury	03/10/20	03/12/20	03/12/20	RS	Y
CF48109	Mercury (Dissolved)	03/10/20	03/12/20	03/12/20	RS	Y
CF48109	Nickel	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Nickel, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Pesticides	03/10/20	03/12/20	03/13/20	CG	Y
CF48109	Polychlorinated Biphenyls	03/10/20	03/12/20	03/13/20	SC	Y
CF48109	Potassium	03/10/20	03/11/20	03/12/20	CPP	Y



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CF48109	Potassium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Selenium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48109	Selenium (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Semivolatiles	03/10/20	03/11/20	03/13/20	WB	Y
CF48109	Semivolatiles	03/10/20	03/11/20	03/14/20	WB	Y
CF48109	Silver	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Silver (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Sodium	03/10/20	03/11/20	03/13/20	EK	Y
CF48109	Sodium (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48109	Thallium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48109	Thallium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Vanadium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Vanadium, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Volatiles	03/10/20	03/16/20	03/16/20	MH	Y
CF48109	Volatiles	03/10/20	03/16/20	03/16/20	MH	Y
CF48109	Zinc	03/10/20	03/11/20	03/12/20	CPP	Y
CF48109	Zinc, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	1,4-dioxane	03/10/20	03/12/20	03/13/20	AW	Y
CF48110	Aluminum	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Aluminum (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Antimony	03/10/20	03/12/20	03/13/20	CPP	Y
CF48110	Antimony (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Arsenic - LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Arsenic, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Barium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Barium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Beryllium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Beryllium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Cadmium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Cadmium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Calcium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Calcium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Chromium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Chromium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Cobalt	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Cobalt, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Copper	03/10/20	03/11/20	03/12/20	CPP	Y



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CF48110	Copper, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Iron	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Iron, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Lead	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Lead (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Magnesium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Magnesium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Manganese	03/10/20	03/11/20	03/13/20	EK	Y
CF48110	Manganese, (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48110	Mercury	03/10/20	03/12/20	03/12/20	RS	Y
CF48110	Mercury (Dissolved)	03/10/20	03/12/20	03/12/20	RS	Y
CF48110	Nickel	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Nickel, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Pesticides	03/10/20	03/12/20	03/16/20	CG	Y
CF48110	Polychlorinated Biphenyls	03/10/20	03/12/20	03/13/20	SC	Y
CF48110	Potassium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Potassium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Selenium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48110	Selenium (Dissolved)-LDL	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Semivolatiles	03/10/20	03/11/20	03/13/20	WB	Y
CF48110	Semivolatiles	03/10/20	03/11/20	03/14/20	WB	Y
CF48110	Silver	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Silver (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Sodium	03/10/20	03/11/20	03/13/20	EK	Y
CF48110	Sodium (Dissolved)	03/10/20	03/11/20	03/13/20	EK	Y
CF48110	Thallium	03/10/20	03/12/20	03/13/20	CPP	Y
CF48110	Thallium (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Vanadium	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Vanadium, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y
CF48110	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y
CF48110	Zinc	03/10/20	03/11/20	03/12/20	CPP	Y
CF48110	Zinc, (Dissolved)	03/10/20	03/11/20	03/12/20	CPP	Y
CF48111	1,4-dioxane	03/10/20	03/12/20	03/12/20	MH	Y
CF48111	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y
CF48111	Volatiles	03/10/20	03/12/20	03/12/20	MH	Y



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



SDG Comments

March 31, 2020

SDG I.D.: GCF48107

8260 Volatile Organics:

1,2-Dibromoethane, 1,2,3 Trichloropropane, and 1,2-Dibromo-3-chloropropane do not meet NY TOGS GA criteria, these compounds are analyzed by GC/ECD method 504 or 8011 to achieve this criteria.

Toxaphene is reported to the lowest possible reporting level. The NY TOGS criteria for this compound can not be achieved.

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



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Sample Id Cross Reference

March 31, 2020

SDG I.D.: GCF48107

Project ID: 1015 ATLANTIC AVE BROOKLYN

Client Id	Lab Id	Matrix
MW1	CF48107	GROUND WATER
MW2	CF48108	GROUND WATER
MW3	CF48109	GROUND WATER
MW DUPLICATE	CF48110	GROUND WATER
TRIP BLANK	CF48111	GROUND WATER



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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Analysis Report

March 31, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/10/20
03/11/20

Time

13:45
16:06

Laboratory Data

SDG ID: GCF48107
Phoenix ID: CF48107

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.069	0.005	0.001	mg/L	1	03/13/20	EK	SW6010D
Aluminum	696	2.0	0.24	mg/L	100	03/14/20	CPP	SW6010D
Arsenic - LDL	0.223	0.040	0.040	mg/L	10	03/14/20	CPP	SW6010D
Barium	6.69	0.10	0.010	mg/L	10	03/14/20	CPP	SW6010D
Beryllium	0.033	0.010	0.010	mg/L	10	03/17/20	TH	SW6010D
Calcium	1050	0.10	0.030	mg/L	10	03/14/20	CPP	SW6010D
Cadmium	0.030	J 0.040	0.0050	mg/L	10	03/14/20	CPP	SW6010D
Cobalt	0.919	0.050	0.010	mg/L	10	03/14/20	CPP	SW6010D
Chromium	3.31	0.010	0.010	mg/L	10	03/14/20	CPP	SW6010D
Copper	2.74	0.050	0.010	mg/L	10	03/14/20	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum (Dissolved)	0.049	0.011	0.0026	mg/L	1	03/12/20	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/12/20	CPP	SW6010D
Barium (Dissolved)	0.238	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium (Dissolved)	87.5	0.01	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt, (Dissolved)	0.005	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Iron, (Dissolved)	0.03	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium (Dissolved)	9.4	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium (Dissolved)	26.2	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese, (Dissolved)	1.11	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Sodium (Dissolved)	58.4	1.1	1.1	mg/L	10	03/13/20	EK	SW6010D
Nickel, (Dissolved)	0.048	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6020B
Selenium (Dissolved)-LDL	0.001	J 0.002	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc, (Dissolved)	0.005	J 0.011	0.002	mg/L	1	03/12/20	CPP	SW6010D
Iron	1470	1.0	1.0	mg/L	100	03/14/20	CPP	SW6010D
Mercury	ND	0.0007	0.0007	mg/L	1	03/13/20	RS	SW7470A
Potassium	153	1.0	1.0	mg/L	10	03/14/20	CPP	SW6010D
Magnesium	706	0.10	0.10	mg/L	10	03/14/20	CPP	SW6010D
Manganese	45.2	0.50	0.10	mg/L	100	03/14/20	CPP	SW6010D
Sodium	104	1.0	1.0	mg/L	10	03/14/20	CPP	SW6010D
Nickel	5.82	0.040	0.010	mg/L	10	03/14/20	CPP	SW6010D
Lead	0.836	0.020	0.010	mg/L	10	03/14/20	CPP	SW6010D
Antimony	ND	0.0030	0.0030	mg/L	5	03/13/20	CPP	SW6020B
Selenium	ND	0.010	0.01	mg/L	1	03/13/20	PS	SW6010D
Thallium	0.0083	0.0005	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Vanadium	1.60	0.10	0.010	mg/L	10	03/14/20	CPP	SW6010D
Zinc	4.46	0.10	0.020	mg/L	10	03/14/20	CPP	SW6010D
Filtration	Completed					03/11/20	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/12/20	LS/LS	SW7470A
Mercury Digestion	Completed					03/13/20	S/RA/LS/RSW	7470A
PCB Extraction (LDL)	Completed					03/16/20	AT/T	SW3510C
Extraction for Pest (LDL)	Completed					03/16/20	AT/T	SW3510C
Semi-Volatile Extraction	Completed					03/16/20	P/AK	SW3520C
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Total Metals Digestion	Completed					03/12/20	AG	
Total Metals Digestion MS	Completed					03/12/20	AG	

Pesticides

4,4' -DDD	ND	0.010	0.010	ug/L	1	03/17/20	CG	SW8081B
4,4' -DDE	ND	0.010	0.010	ug/L	1	03/17/20	CG	SW8081B
4,4' -DDT	ND	0.010	0.010	ug/L	1	03/17/20	CG	SW8081B
a-BHC	ND	0.010	0.010	ug/L	1	03/17/20	CG	SW8081B
a-chlordane	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Alachlor	ND	0.38	0.38	ug/L	1	03/17/20	CG	SW8081B
Aldrin	ND	0.008	0.008	ug/L	1	03/17/20	CG	SW8081B
b-BHC	ND	0.034	0.034	ug/L	1	03/17/20	CG	SW8081B
Chlordane	ND	0.10	0.10	ug/L	1	03/17/20	CG	SW8081B
d-BHC	ND	0.025	0.025	ug/L	1	03/17/20	CG	SW8081B
Dieldrin	ND	0.010	0.010	ug/L	1	03/17/20	CG	SW8081B
Endosulfan I	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Endosulfan II	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Endosulfan Sulfate	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Endrin	ND	0.025	0.025	ug/L	1	03/17/20	CG	SW8081B
Endrin Aldehyde	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Endrin ketone	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
g-BHC (Lindane)	ND	0.025	0.025	ug/L	1	03/17/20	CG	SW8081B
g-chlordane	ND	0.050	0.050	ug/L	1	03/17/20	CG	SW8081B
Heptachlor	ND	0.025	0.025	ug/L	1	03/17/20	CG	SW8081B

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	0.025	0.025	ug/L	1	03/17/20	CG	SW8081B
Methoxychlor	ND	0.50	0.50	ug/L	1	03/17/20	CG	SW8081B
Toxaphene	ND	1.0	1.0	ug/L	1	03/17/20	CG	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	69			%	1	03/17/20	CG	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	59			%	1	03/17/20	CG	30 - 150 %
%TCMX (Surrogate Rec)	66			%	1	03/17/20	CG	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	78			%	1	03/17/20	CG	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1221	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1232	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1242	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1248	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1254	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1260	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1262	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
PCB-1268	ND	0.090	0.090	ug/L	1	03/17/20	PS	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	86			%	1	03/17/20	PS	30 - 150 %
% DCBP (Confirmation)	74			%	1	03/17/20	PS	30 - 150 %
% TCMX	86			%	1	03/17/20	PS	30 - 150 %
% TCMX (Confirmation)	80			%	1	03/17/20	PS	30 - 150 %
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,1,2-Trichloroethane	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
1,1-Dichloroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,1-Dichloroethene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2,3-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2,4-Trichlorobenzene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	2.5	2.5	ug/L	5	03/16/20	MH	SW8260C
1,2-Dibromoethane	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2-Dichlorobenzene	ND	4.7	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2-Dichloroethane	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
1,2-Dichloropropane	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
1,3-Dichlorobenzene	ND	3.0	1.3	ug/L	5	03/16/20	MH	SW8260C
1,4-Dichlorobenzene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
2-Hexanone	ND	13	13	ug/L	5	03/16/20	MH	SW8260C
4-Methyl-2-pentanone	ND	13	13	ug/L	5	03/16/20	MH	SW8260C
Acetone	ND	25	13	ug/L	5	03/16/20	MH	SW8260C
Benzene	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
Bromochloromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Bromodichloromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Bromoform	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Bromomethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Carbon Disulfide	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Carbon tetrachloride	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorobenzene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Chloroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Chloroform	7.9	7.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Chloromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
cis-1,2-Dichloroethene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
cis-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
Cyclohexane	ND	25	2.5	ug/L	5	03/16/20	MH	SW8260C
Dibromochloromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Dichlorodifluoromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Ethylbenzene	18	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Isopropylbenzene	2.2	J 5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
m&p-Xylene	69	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Methyl ethyl ketone	ND	25	13	ug/L	5	03/16/20	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Methylacetate	ND	13	13	ug/L	5	03/16/20	MH	SW8260C
Methylcyclohexane	ND	10	2.5	ug/L	5	03/16/20	MH	SW8260C
Methylene chloride	ND	5.0	5.0	ug/L	5	03/16/20	MH	SW8260C
o-Xylene	29	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Styrene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Tetrachloroethene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Toluene	22	10	1.3	ug/L	5	03/16/20	MH	SW8260C
Total Xylenes	98.0	5.0	5.0	ug/L	5	03/16/20	MH	SW8260C
trans-1,2-Dichloroethene	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
trans-1,3-Dichloropropene	ND	1.3	1.3	ug/L	5	03/16/20	MH	SW8260C
Trichloroethene	1.3	J 5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Trichlorofluoromethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Trichlorotrifluoroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Vinyl chloride	ND	2.0	1.3	ug/L	5	03/16/20	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4 (5x)	97			%	5	03/16/20	MH	70 - 130 %
% Bromofluorobenzene (5x)	93			%	5	03/16/20	MH	70 - 130 %
% Dibromofluoromethane (5x)	106			%	5	03/16/20	MH	70 - 130 %
% Toluene-d8 (5x)	92			%	5	03/16/20	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Acrolein	ND	13	13	ug/L	5	03/16/20	MH	SW8260C
Acrylonitrile	ND	5.0	1.3	ug/L	5	03/16/20	MH	SW8260C
Tert-butyl alcohol	ND	250	50	ug/L	5	03/16/20	MH	SW8260C
Volatile Library Search Top 10	Completed					03/17/20	MH	
<u>1,4-dioxane</u>								
1,4-dioxane	1.6	0.20	0.20	ug/l	1	03/13/20	AW	SW8270DSIM 1
<u>QA/QC Surrogates</u>								
% 1,4-dioxane-d8	72			%	1	03/13/20	AW	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	5.0	5.0	ug/L	1	03/18/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	7.0	7.0	ug/L	1	03/18/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,3,4,6-tetrachlorophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4-Dichlorophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4-Dimethylphenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4-Dinitrophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	3.9	ug/L	1	03/18/20	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	3.2	ug/L	1	03/18/20	WB	SW8270D
2-Chloronaphthalene	ND	10	2.8	ug/L	1	03/18/20	WB	SW8270D
2-Chlorophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2-Methylnaphthalene	ND	10	3.0	ug/L	1	03/18/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	03/18/20	WB	SW8270D
2-Nitrophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	10	1.8	ug/L	1	03/18/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	4.7	ug/L	1	03/18/20	WB	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	03/18/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	2.0	2.0	ug/L	1	03/18/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	10	2.9	ug/L	1	03/18/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
4-Chloroaniline	ND	5.0	4.7	ug/L	1	03/18/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	10	3.4	ug/L	1	03/18/20	WB	SW8270D
4-Nitroaniline	ND	5.0	3.3	ug/L	1	03/18/20	WB	SW8270D
4-Nitrophenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
Acenaphthene	ND	10	3.0	ug/L	1	03/18/20	WB	SW8270D
Acetophenone	ND	10	3.1	ug/L	1	03/18/20	WB	SW8270D
Atrazine	ND	2.0	2.0	ug/L	1	03/18/20	WB	SW8270D
Benzaldehyde	ND	10	3.0	ug/L	1	03/18/20	WB	SW8270D
Benzyl butyl phthalate	ND	10	2.6	ug/L	1	03/18/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	2.8	ug/L	1	03/18/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	10	2.8	ug/L	1	03/18/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	100	2.0	2.0	ug/L	1	03/18/20	WB	SW8270D
Caprolactam	ND	10	18	ug/L	1	03/18/20	WB	SW8270D
Carbazole	ND	10	7.6	ug/L	1	03/18/20	WB	SW8270D
Dibenzofuran	ND	5.0	2.9	ug/L	1	03/18/20	WB	SW8270D
Diethyl phthalate	ND	10	3.2	ug/L	1	03/18/20	WB	SW8270D
Dimethylphthalate	ND	10	3.1	ug/L	1	03/18/20	WB	SW8270D
Di-n-butylphthalate	ND	10	2.7	ug/L	1	03/18/20	WB	SW8270D
Di-n-octylphthalate	ND	10	2.6	ug/L	1	03/18/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	5.0	3.1	ug/L	1	03/18/20	WB	SW8270D
Hexachloroethane	ND	2.0	2.0	ug/L	1	03/18/20	WB	SW8270D
Isophorone	ND	10	2.8	ug/L	1	03/18/20	WB	SW8270D
Naphthalene	ND	5.0	2.9	ug/L	1	03/18/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	10	3.2	ug/L	1	03/18/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	10	3.8	ug/L	1	03/18/20	WB	SW8270D
Phenol	ND	1.8	1.8	ug/L	1	03/18/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	110			%	1	03/18/20	WB	15 - 110 %
% 2-Fluorobiphenyl	68			%	1	03/18/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53			%	1	03/18/20	WB	15 - 110 %
% Nitrobenzene-d5	79			%	1	03/18/20	WB	30 - 130 %
% Phenol-d5	50			%	1	03/18/20	WB	15 - 110 %
% Terphenyl-d14	57			%	1	03/18/20	WB	30 - 130 %

Semivolatiles

Acenaphthylene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Anthracene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Benz(a)anthracene	0.08	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Bis(2-chloroethyl)ether	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Chrysene	0.13	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Fluoranthene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Fluorene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/18/20	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.04	0.04	ug/L	1	03/18/20	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/18/20	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.40	0.40	ug/L	1	03/18/20	WB	SW8270D (SIM)
Pentachlorophenol	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Phenanthrene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)
Pyrene	ND	1.0	1.0	ug/L	1	03/18/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	91			%	1	03/18/20	WB	15 - 110 %
% 2-Fluorobiphenyl	70			%	1	03/18/20	WB	30 - 130 %
% 2-Fluorophenol	57			%	1	03/18/20	WB	15 - 110 %
% Nitrobenzene-d5	72			%	1	03/18/20	WB	30 - 130 %
% Phenol-d5	60			%	1	03/18/20	WB	15 - 110 %
% Terphenyl-d14	46			%	1	03/18/20	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					03/12/20	S/S	

SVOA Library Search Top 15	Completed					03/18/20	WB	

Client ID: MW1

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:**PCB Comment:**

Due to limited sample, PCBs are evaluated below the lowest calibration standard in order to meet the requested criteria.

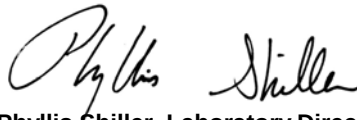
Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 31, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 31, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/10/20
03/11/20

Time

13:45
16:06

Laboratory Data

SDG ID: GCF48107
Phoenix ID: CF48108

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum	7.16	0.020	0.0024	mg/L	1	03/12/20	CPP	SW6010D
Arsenic - LDL	ND	0.004	0.004	mg/L	1	03/12/20	CPP	SW6010D
Barium	0.473	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium	134	0.010	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt	0.009	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium	0.036	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper	0.023	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum (Dissolved)	0.052	0.011	0.0026	mg/L	1	03/12/20	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/12/20	CPP	SW6010D
Barium (Dissolved)	0.384	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium (Dissolved)	128	0.01	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper, (Dissolved)	0.001	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Iron, (Dissolved)	0.39	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium (Dissolved)	9.0	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium (Dissolved)	33.5	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese, (Dissolved)	2.53	0.053	0.011	mg/L	10	03/13/20	EK	SW6010D
Sodium (Dissolved)	113	1.1	1.1	mg/L	10	03/13/20	EK	SW6010D
Nickel, (Dissolved)	0.022	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	0.0001	J 0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc, (Dissolved)	0.002	J 0.011	0.002	mg/L	1	03/12/20	CPP	SW6010D
Iron	15.1	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium	11.4	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium	38.6	0.010	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese	2.75	0.050	0.010	mg/L	10	03/13/20	EK	SW6010D
Sodium	113	1.0	1.0	mg/L	10	03/13/20	EK	SW6010D
Nickel	0.053	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead	0.009	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D
Antimony	ND	0.0030	0.0030	mg/L	5	03/13/20	CPP	SW6020B
Selenium	0.001	J 0.010	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Thallium	ND	0.0005	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Vanadium	0.013	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc	0.033	0.010	0.002	mg/L	1	03/12/20	CPP	SW6010D
Filtration	Completed					03/11/20	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/12/20	LS/LS	SW7470A
Mercury Digestion	Completed					03/12/20	S/RA/LS/RSW	7470A
PCB Extraction (LDL)	Completed					03/12/20	AT/AT	SW3510C
Extraction for Pest (LDL)	Completed					03/12/20	AT	SW3510C
Semi-Volatile Extraction	Completed					03/11/20	P/AK	SW3520C
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Total Metals Digestion	Completed					03/11/20	AG	
Total Metals Digestion MS	Completed					03/12/20	AG	

Pesticides

4,4' -DDD	ND	0.007	0.007	ug/L	1	03/13/20	CG	SW8081B
4,4' -DDE	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
4,4' -DDT	ND	0.007	0.007	ug/L	1	03/13/20	CG	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Alachlor	ND	0.075	0.075	ug/L	1	03/13/20	CG	SW8081B
Aldrin	ND	0.006	0.006	ug/L	1	03/13/20	CG	SW8081B
b-BHC	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
Chlordane	ND	0.050	0.050	ug/L	1	03/13/20	CG	SW8081B
d-BHC	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
Dieldrin	ND	0.002	0.002	ug/L	1	03/13/20	CG	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endrin	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endrin Aldehyde	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
g-chlordane	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Heptachlor	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	03/13/20	CG	SW8081B
Toxaphene	ND	0.20	0.20	ug/L	1	03/13/20	CG	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	75			%	1	03/13/20	CG	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	71			%	1	03/13/20	CG	30 - 150 %
%TCMX (Surrogate Rec)	72			%	1	03/13/20	CG	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	67			%	1	03/13/20	CG	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1221	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1232	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1242	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1248	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1254	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1260	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1262	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
PCB-1268	ND	0.050	0.050	ug/L	1	03/13/20	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	69			%	1	03/13/20	SC	30 - 150 %
% DCBP (Confirmation)	68			%	1	03/13/20	SC	30 - 150 %
% TCMX	79			%	1	03/13/20	SC	30 - 150 %
% TCMX (Confirmation)	76			%	1	03/13/20	SC	30 - 150 %
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroform	0.79	J 2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Cyclohexane	ND	5.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Ethylbenzene	0.53	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Isopropylbenzene	9.0	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
m&p-Xylene	2.2	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methylacetate	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Methylcyclohexane	1.6	J 2.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/12/20	MH	SW8260C
o-Xylene	0.40	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tetrachloroethene	0.81	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Toluene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Total Xylenes	2.6	1.0	1.0	ug/L	1	03/12/20	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichloroethene	2.3	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	97			%	1	03/12/20	MH	70 - 130 %
% Bromofluorobenzene	91			%	1	03/12/20	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	03/12/20	MH	70 - 130 %
% Toluene-d8	93			%	1	03/12/20	MH	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/12/20	MH	SW8260C

Volatile Library Search Top 10

Completed

03/13/20

MH

1,4-dioxane

1,4-dioxane	0.23	0.20	0.20	ug/l	1	03/13/20	AW	SW8270DSIM

1

QA/QC Surrogates

% 1,4-dioxane-d8	69			%	1	03/13/20	AW	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	3.6	3.6	ug/L	1	03/14/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	3.6	3.6	ug/L	1	03/14/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,3,4,6-tetrachlorophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4-Dichlorophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4-Dimethylphenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.0	ug/L	1	03/14/20	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.6	ug/L	1	03/14/20	WB	SW8270D
2-Chloronaphthalene	ND	5.1	1.4	ug/L	1	03/14/20	WB	SW8270D
2-Chlorophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2-Methylnaphthalene	ND	5.1	1.5	ug/L	1	03/14/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
2-Nitrophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	5.1	0.92	ug/L	1	03/14/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.4	ug/L	1	03/14/20	WB	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.1	1.5	ug/L	1	03/14/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
4-Chloroaniline	ND	5.0	2.4	ug/L	1	03/14/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	5.1	1.7	ug/L	1	03/14/20	WB	SW8270D
4-Nitroaniline	ND	5.0	1.7	ug/L	1	03/14/20	WB	SW8270D
4-Nitrophenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
Acenaphthene	ND	5.1	1.6	ug/L	1	03/14/20	WB	SW8270D
Acetophenone	ND	5.1	1.6	ug/L	1	03/14/20	WB	SW8270D
Atrazine	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
Benzaldehyde	ND	5.1	1.5	ug/L	1	03/14/20	WB	SW8270D
Benzyl butyl phthalate	ND	5.1	1.3	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.1	1.4	ug/L	1	03/14/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	7.0	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
Caprolactam	ND	5.1	9.1	ug/L	1	03/14/20	WB	SW8270D
Carbazole	ND	5.1	3.9	ug/L	1	03/14/20	WB	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	03/14/20	WB	SW8270D
Diethyl phthalate	ND	5.1	1.6	ug/L	1	03/14/20	WB	SW8270D
Dimethylphthalate	ND	5.1	1.6	ug/L	1	03/14/20	WB	SW8270D
Di-n-butylphthalate	ND	5.1	1.4	ug/L	1	03/14/20	WB	SW8270D
Di-n-octylphthalate	ND	5.1	1.3	ug/L	1	03/14/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.6	ug/L	1	03/14/20	WB	SW8270D
Hexachloroethane	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
Isophorone	ND	5.1	1.4	ug/L	1	03/14/20	WB	SW8270D
Naphthalene	ND	5.0	1.5	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.1	1.7	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.1	2.0	ug/L	1	03/14/20	WB	SW8270D
Phenol	ND	1.0	0.92	ug/L	1	03/14/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	77			%	1	03/14/20	WB	15 - 110 %
% 2-Fluorobiphenyl	54			%	1	03/14/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	29			%	1	03/14/20	WB	15 - 110 %
% Nitrobenzene-d5	51			%	1	03/14/20	WB	30 - 130 %
% Phenol-d5	33			%	1	03/14/20	WB	15 - 110 %
% Terphenyl-d14	25			%	1	03/14/20	WB	30 - 130 %

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Semivolatiles

Acenaphthylene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Anthracene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benz(a)anthracene	0.05	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(a)pyrene	0.04	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(b)fluoranthene	0.03	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(k)fluoranthene	0.04	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Bis(2-chloroethyl)ether	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Chrysene	0.04	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluoranthene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluorene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.03	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/13/20	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.20	0.20	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pentachlorophenol	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Phenanthrene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pyrene	ND	0.51	0.51	ug/L	1	03/13/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	68			%	1	03/13/20	WB	15 - 110 %
% 2-Fluorobiphenyl	57			%	1	03/13/20	WB	30 - 130 %
% 2-Fluorophenol	37			%	1	03/13/20	WB	15 - 110 %
% Nitrobenzene-d5	56			%	1	03/13/20	WB	30 - 130 %
% Phenol-d5	43			%	1	03/13/20	WB	15 - 110 %
% Terphenyl-d14	23			%	1	03/13/20	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					03/12/20	S/S	

3

SVOA Library Search Top 15 Completed 03/24/20 MR

Client ID: MW2

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 31, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 31, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/10/20
03/11/20

Time

13:45
16:06

Laboratory Data

SDG ID: GCF48107
Phoenix ID: CF48109

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	0.002	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum	6.16	0.020	0.0024	mg/L	1	03/12/20	CPP	SW6010D
Arsenic - LDL	ND	0.004	0.004	mg/L	1	03/12/20	CPP	SW6010D
Barium	0.346	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium	125	0.010	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt	0.009	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium	0.023	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper	0.024	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum (Dissolved)	0.040	0.011	0.0026	mg/L	1	03/12/20	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/12/20	CPP	SW6010D
Barium (Dissolved)	0.278	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium (Dissolved)	121	0.01	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper, (Dissolved)	0.001	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Iron, (Dissolved)	0.02	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium (Dissolved)	8.1	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium (Dissolved)	31.9	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese, (Dissolved)	2.71	0.053	0.011	mg/L	10	03/13/20	EK	SW6010D
Sodium (Dissolved)	86.6	1.1	1.1	mg/L	10	03/13/20	EK	SW6010D
Nickel, (Dissolved)	0.024	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	0.0002	J 0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Selenium (Dissolved)-LDL	0.002	J 0.002	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc, (Dissolved)	0.003	J 0.011	0.002	mg/L	1	03/12/20	CPP	SW6010D
Iron	10.7	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium	9.5	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium	36.5	0.010	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese	2.95	0.050	0.010	mg/L	10	03/13/20	EK	SW6010D
Sodium	88.5	1.0	1.0	mg/L	10	03/13/20	EK	SW6010D
Nickel	0.055	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead	0.015	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D
Antimony	ND	0.0030	0.0030	mg/L	5	03/13/20	CPP	SW6020B
Selenium	0.002	J 0.010	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Thallium	ND	0.0005	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Vanadium	0.013	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc	0.039	0.010	0.002	mg/L	1	03/12/20	CPP	SW6010D
Filtration	Completed					03/11/20	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/12/20	LS/LS	SW7470A
Mercury Digestion	Completed					03/12/20	S/RA/LS/RSW	7470A
PCB Extraction (LDL)	Completed					03/12/20	AT/AT	SW3510C
Extraction for Pest (LDL)	Completed					03/12/20	AT	SW3510C
Semi-Volatile Extraction	Completed					03/11/20	P/AK	SW3520C
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Total Metals Digestion	Completed					03/11/20	AG	
Total Metals Digestion MS	Completed					03/12/20	AG	

Pesticides

4,4' -DDD	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
4,4' -DDE	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
4,4' -DDT	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
a-BHC	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
a-chlordane	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Alachlor	ND	0.077	0.077	ug/L	1	03/13/20	CG	SW8081B
Aldrin	ND	0.002	0.002	ug/L	1	03/13/20	CG	SW8081B
b-BHC	ND	0.020	0.020	ug/L	1	03/13/20	CG	SW8081B
Chlordane	ND	0.021	0.021	ug/L	1	03/13/20	CG	SW8081B
d-BHC	ND	0.020	0.020	ug/L	1	03/13/20	CG	SW8081B
Dieldrin	ND	0.004	0.004	ug/L	1	03/13/20	CG	SW8081B
Endosulfan I	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endosulfan II	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endosulfan Sulfate	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Endrin	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
Endrin Aldehyde	ND	0.020	0.020	ug/L	1	03/13/20	CG	SW8081B
Endrin ketone	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
g-BHC (Lindane)	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
g-chlordane	ND	0.010	0.010	ug/L	1	03/13/20	CG	SW8081B
Heptachlor	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	0.005	0.005	ug/L	1	03/13/20	CG	SW8081B
Methoxychlor	ND	0.10	0.10	ug/L	1	03/13/20	CG	SW8081B
Toxaphene	ND	0.21	0.21	ug/L	1	03/13/20	CG	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	69			%	1	03/13/20	CG	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	57			%	1	03/13/20	CG	30 - 150 %
%TCMX (Surrogate Rec)	90			%	1	03/13/20	CG	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	74			%	1	03/13/20	CG	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1221	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1232	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1242	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1248	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1254	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1260	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1262	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
PCB-1268	ND	0.052	0.052	ug/L	1	03/13/20	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	59			%	1	03/13/20	SC	30 - 150 %
% DCBP (Confirmation)	49			%	1	03/13/20	SC	30 - 150 %
% TCMX	84			%	1	03/13/20	SC	30 - 150 %
% TCMX (Confirmation)	61			%	1	03/13/20	SC	30 - 150 %
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/16/20	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	03/16/20	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/16/20	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/16/20	MH	SW8260C
Acetone	2.6	JS 5.0	2.5	ug/L	1	03/16/20	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/16/20	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorobenzene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Chloroform	1.4	J 2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/16/20	MH	SW8260C
Cyclohexane	ND	5.0	0.50	ug/L	1	03/16/20	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	03/16/20	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Methylacetate	ND	2.5	2.5	ug/L	1	03/16/20	MH	SW8260C
Methylcyclohexane	ND	2.0	0.50	ug/L	1	03/16/20	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/16/20	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Tetrachloroethene	2.2	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Toluene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	03/16/20	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	03/16/20	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/16/20	MH	SW8260C
Trichloroethene	3.7	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C

QA/QC Surrogates

% 1,2-dichlorobenzene-d4	95			%	1	03/16/20	MH	70 - 130 %
% Bromofluorobenzene	96			%	1	03/16/20	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	03/16/20	MH	70 - 130 %
% Toluene-d8	93			%	1	03/16/20	MH	70 - 130 %

Volatiles

1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/16/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/16/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/16/20	MH	SW8260C

Volatile Library Search Top 10

Completed

03/17/20

MH

Client MS/MSD

Completed

03/16/20

1,4-dioxane

1,4-dioxane	0.38	0.20	0.20	ug/l	1	03/13/20	AW	SW8270DSIM

1

QA/QC Surrogates

% 1,4-dioxane-d8	74			%	1	03/13/20	AW	30 - 130 %

Semivolatiles

1,1-Biphenyl	ND	3.7	3.7	ug/L	1	03/14/20	WB	SW8270D

Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
1,2,4,5-Tetrachlorobenzene	ND	3.7	3.7	ug/L	1	03/14/20	WB	SW8270D
2,3,4,6-tetrachlorophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4-Dichlorophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4-Dimethylphenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.1	ug/L	1	03/14/20	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.7	ug/L	1	03/14/20	WB	SW8270D
2-Chloronaphthalene	ND	5.3	1.5	ug/L	1	03/14/20	WB	SW8270D
2-Chlorophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2-Methylnaphthalene	ND	5.3	1.6	ug/L	1	03/14/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
2-Nitrophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	5.3	0.95	ug/L	1	03/14/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.5	ug/L	1	03/14/20	WB	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.3	1.5	ug/L	1	03/14/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
4-Chloroaniline	ND	5.0	2.4	ug/L	1	03/14/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	5.3	1.8	ug/L	1	03/14/20	WB	SW8270D
4-Nitroaniline	ND	5.0	1.8	ug/L	1	03/14/20	WB	SW8270D
4-Nitrophenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
Acenaphthene	ND	5.3	1.6	ug/L	1	03/14/20	WB	SW8270D
Acetophenone	ND	5.3	1.6	ug/L	1	03/14/20	WB	SW8270D
Atrazine	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Benzaldehyde	ND	5.3	1.6	ug/L	1	03/14/20	WB	SW8270D
Benzyl butyl phthalate	ND	5.3	1.4	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.4	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.3	1.5	ug/L	1	03/14/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Caprolactam	ND	5.3	9.4	ug/L	1	03/14/20	WB	SW8270D
Carbazole	ND	5.3	4.0	ug/L	1	03/14/20	WB	SW8270D
Dibenzofuran	ND	5.0	1.5	ug/L	1	03/14/20	WB	SW8270D
Diethyl phthalate	2.7	J 5.3	1.7	ug/L	1	03/14/20	WB	SW8270D
Dimethylphthalate	ND	5.3	1.6	ug/L	1	03/14/20	WB	SW8270D
Di-n-butylphthalate	ND	5.3	1.4	ug/L	1	03/14/20	WB	SW8270D
Di-n-octylphthalate	ND	5.3	1.4	ug/L	1	03/14/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.6	ug/L	1	03/14/20	WB	SW8270D
Hexachloroethane	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Isophorone	ND	5.3	1.5	ug/L	1	03/14/20	WB	SW8270D
Naphthalene	ND	5.0	1.5	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.3	1.7	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.3	2.0	ug/L	1	03/14/20	WB	SW8270D
Phenol	ND	1.0	0.95	ug/L	1	03/14/20	WB	SW8270D
<u>QA/QC Surrogates</u>								
% 2,4,6-Tribromophenol	88			%	1	03/14/20	WB	15 - 110 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorobiphenyl	59			%	1	03/14/20	WB	30 - 130 %
% 2-Fluorophenol	28			%	1	03/14/20	WB	15 - 110 %
% Nitrobenzene-d5	52			%	1	03/14/20	WB	30 - 130 %
% Phenol-d5	31			%	1	03/14/20	WB	15 - 110 %
% Terphenyl-d14	27			%	1	03/14/20	WB	30 - 130 %

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Semivolatiles

Acenaphthylene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Anthracene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benz(a)anthracene	0.14	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(a)pyrene	0.10	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(b)fluoranthene	0.10	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(k)fluoranthene	0.10	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Bis(2-chloroethyl)ether	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Chrysene	0.13	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluoranthene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluorene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	0.06	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/13/20	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.21	0.21	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pentachlorophenol	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Phenanthrene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pyrene	ND	0.53	0.53	ug/L	1	03/13/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	70			%	1	03/13/20	WB	15 - 110 %
% 2-Fluorobiphenyl	62			%	1	03/13/20	WB	30 - 130 %
% 2-Fluorophenol	35			%	1	03/13/20	WB	15 - 110 %
% Nitrobenzene-d5	60			%	1	03/13/20	WB	30 - 130 %
% Phenol-d5	45			%	1	03/13/20	WB	15 - 110 %
% Terphenyl-d14	24			%	1	03/13/20	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					03/12/20	S/S	
SVOA Library Search Top 15	Completed					03/24/20	MR	

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Client ID: MW3

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Semi-Volatile Comment:

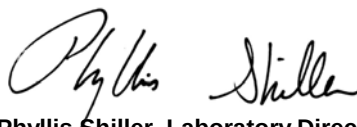
Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 31, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 31, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/10/20

Time

16:06

Laboratory Data

SDG ID: GCF48107
Phoenix ID: CF48110

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: MW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Silver	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum	18.2	0.020	0.0024	mg/L	1	03/12/20	CPP	SW6010D
Arsenic - LDL	0.006	0.004	0.004	mg/L	1	03/12/20	CPP	SW6010D
Barium	0.562	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium	139	0.010	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium	0.001	J 0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt	0.015	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium	0.079	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper	0.049	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Silver (Dissolved)	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Aluminum (Dissolved)	0.045	0.011	0.0026	mg/L	1	03/12/20	CPP	SW6010D
Arsenic, (Dissolved)	ND	0.003	0.001	mg/L	1	03/12/20	CPP	SW6010D
Barium (Dissolved)	0.379	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Beryllium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Calcium (Dissolved)	127	0.01	0.003	mg/L	1	03/12/20	CPP	SW6010D
Cadmium (Dissolved)	ND	0.004	0.0005	mg/L	1	03/12/20	CPP	SW6010D
Cobalt, (Dissolved)	0.004	J 0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Chromium (Dissolved)	ND	0.001	0.001	mg/L	1	03/12/20	CPP	SW6010D
Copper, (Dissolved)	ND	0.005	0.001	mg/L	1	03/12/20	CPP	SW6010D
Iron, (Dissolved)	0.23	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury (Dissolved)	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium (Dissolved)	8.6	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium (Dissolved)	33.4	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese, (Dissolved)	2.51	0.053	0.011	mg/L	10	03/13/20	EK	SW6010D
Sodium (Dissolved)	120	1.1	1.1	mg/L	10	03/13/20	EK	SW6010D
Nickel, (Dissolved)	0.023	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead (Dissolved)	ND	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Antimony (Dissolved)-LDL	0.0002	J 0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Selenium (Dissolved)-LDL	ND	0.002	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Thallium (Dissolved)	ND	0.0003	0.0001	mg/L	1	03/12/20	CPP	SW6020B
Vanadium, (Dissolved)	ND	0.011	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc, (Dissolved)	0.002	J 0.011	0.002	mg/L	1	03/12/20	CPP	SW6010D
Iron	33.0	0.01	0.01	mg/L	1	03/12/20	CPP	SW6010D
Mercury	ND	0.0002	0.00015	mg/L	1	03/12/20	RS	SW7470A
Potassium	13.8	0.1	0.1	mg/L	1	03/12/20	CPP	SW6010D
Magnesium	46.8	0.010	0.01	mg/L	1	03/12/20	CPP	SW6010D
Manganese	3.24	0.050	0.010	mg/L	10	03/13/20	EK	SW6010D
Sodium	123	1.0	1.0	mg/L	10	03/13/20	EK	SW6010D
Nickel	0.108	0.004	0.001	mg/L	1	03/12/20	CPP	SW6010D
Lead	0.022	0.002	0.001	mg/L	1	03/12/20	CPP	SW6010D
Antimony	ND	0.0030	0.0030	mg/L	5	03/13/20	CPP	SW6020B
Selenium	0.001	J 0.010	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Thallium	ND	0.0005	0.0005	mg/L	5	03/13/20	CPP	SW6020B
Vanadium	0.036	0.010	0.001	mg/L	1	03/12/20	CPP	SW6010D
Zinc	0.085	0.010	0.002	mg/L	1	03/12/20	CPP	SW6010D
Filtration	Completed					03/11/20	AG	0.45um Filter
Dissolved Mercury Digestion	Completed					03/12/20	LS/LS	SW7470A
Mercury Digestion	Completed					03/12/20	S/RA/LS/RSW	7470A
PCB Extraction (LDL)	Completed					03/12/20	AT/AT	SW3510C
Extraction for Pest (LDL)	Completed					03/12/20	AT	SW3510C
Semi-Volatile Extraction	Completed					03/11/20	P/AK	SW3520C
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Dissolved Metals Preparation	Completed					03/11/20	AG	SW3005A
Total Metals Digestion	Completed					03/11/20	AG	
Total Metals Digestion MS	Completed					03/12/20	AG	

Pesticides

4,4' -DDD	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
4,4' -DDE	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
4,4' -DDT	ND	0.008	0.008	ug/L	1	03/16/20	CG	SW8081B
a-BHC	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
a-chlordane	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
Alachlor	ND	0.082	0.082	ug/L	1	03/16/20	CG	SW8081B
Aldrin	ND	0.010	0.010	ug/L	1	03/16/20	CG	SW8081B
b-BHC	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
Chlordane	ND	0.022	0.022	ug/L	1	03/16/20	CG	SW8081B
d-BHC	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
Dieldrin	ND	0.002	0.002	ug/L	1	03/16/20	CG	SW8081B
Endosulfan I	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
Endosulfan II	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
Endosulfan Sulfate	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
Endrin	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
Endrin Aldehyde	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
Endrin ketone	ND	0.011	0.011	ug/L	1	03/16/20	CG	SW8081B
g-BHC (Lindane)	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B
g-chlordane	ND	0.020	0.020	ug/L	1	03/16/20	CG	SW8081B
Heptachlor	ND	0.006	0.006	ug/L	1	03/16/20	CG	SW8081B

Client ID: MW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Heptachlor epoxide	ND	0.010	0.010	ug/L	1	03/16/20	CG	SW8081B
Methoxychlor	ND	0.11	0.11	ug/L	1	03/16/20	CG	SW8081B
Toxaphene	ND	0.22	0.22	ug/L	1	03/16/20	CG	SW8081B
<u>QA/QC Surrogates</u>								
%DCBP (Surrogate Rec)	73			%	1	03/16/20	CG	30 - 150 %
%DCBP (Surrogate Rec) (Confirmation)	60			%	1	03/16/20	CG	30 - 150 %
%TCMX (Surrogate Rec)	61			%	1	03/16/20	CG	30 - 150 %
%TCMX (Surrogate Rec) (Confirmation)	60			%	1	03/16/20	CG	30 - 150 %
<u>Polychlorinated Biphenyls</u>								
PCB-1016	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1221	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1232	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1242	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1248	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1254	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1260	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1262	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
PCB-1268	ND	0.055	0.055	ug/L	1	03/13/20	SC	SW8082A
<u>QA/QC Surrogates</u>								
% DCBP	68			%	1	03/13/20	SC	30 - 150 %
% DCBP (Confirmation)	62			%	1	03/13/20	SC	30 - 150 %
% TCMX	75			%	1	03/13/20	SC	30 - 150 %
% TCMX (Confirmation)	70			%	1	03/13/20	SC	30 - 150 %
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Acetone	2.8	JS 5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C

Client ID: MW DUPLICATE

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Chlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroform	0.92	J 2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Cyclohexane	ND	5.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Ethylbenzene	0.58	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Isopropylbenzene	9.6	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
m&p-Xylene	2.3	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methylacetate	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Methylcyclohexane	ND	2.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/12/20	MH	SW8260C
o-Xylene	0.44	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tetrachloroethene	0.79	J 1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Toluene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Total Xylenes	2.7	1.0	1.0	ug/L	1	03/12/20	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichloroethene	2.2	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	96			%	1	03/12/20	MH	70 - 130 %
% Bromofluorobenzene	90			%	1	03/12/20	MH	70 - 130 %
% Dibromofluoromethane	95			%	1	03/12/20	MH	70 - 130 %
% Toluene-d8	90			%	1	03/12/20	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/12/20	MH	SW8260C
Volatile Library Search Top 10	Completed					03/13/20	MH	
<u>1,4-dioxane</u>								
1,4-dioxane	0.52	0.20	0.20	ug/l	1	03/13/20	AW	SW8270DSIM 1
<u>QA/QC Surrogates</u>								
% 1,4-dioxane-d8	76			%	1	03/13/20	AW	30 - 130 %
<u>Semivolatiles</u>								
1,1-Biphenyl	ND	4.0	4.0	ug/L	1	03/14/20	WB	SW8270D
1,2,4,5-Tetrachlorobenzene	ND	4.0	4.0	ug/L	1	03/14/20	WB	SW8270D

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
2,3,4,6-tetrachlorophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4,5-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4,6-Trichlorophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4-Dichlorophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4-Dimethylphenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2,4-Dinitrotoluene	ND	5.0	2.2	ug/L	1	03/14/20	WB	SW8270D
2,6-Dinitrotoluene	ND	5.0	1.8	ug/L	1	03/14/20	WB	SW8270D
2-Chloronaphthalene	ND	5.7	1.6	ug/L	1	03/14/20	WB	SW8270D
2-Chlorophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2-Methylnaphthalene	ND	5.7	1.7	ug/L	1	03/14/20	WB	SW8270D
2-Methylphenol (o-cresol)	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
2-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
2-Nitrophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
3&4-Methylphenol (m&p-cresol)	ND	5.7	1.0	ug/L	1	03/14/20	WB	SW8270D
3,3'-Dichlorobenzidine	ND	5.0	2.7	ug/L	1	03/14/20	WB	SW8270D
3-Nitroaniline	ND	5.0	5.0	ug/L	1	03/14/20	WB	SW8270D
4,6-Dinitro-2-methylphenol	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
4-Bromophenyl phenyl ether	ND	5.7	1.7	ug/L	1	03/14/20	WB	SW8270D
4-Chloro-3-methylphenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
4-Chloroaniline	ND	5.0	2.7	ug/L	1	03/14/20	WB	SW8270D
4-Chlorophenyl phenyl ether	ND	5.7	1.9	ug/L	1	03/14/20	WB	SW8270D
4-Nitroaniline	ND	5.0	1.9	ug/L	1	03/14/20	WB	SW8270D
4-Nitrophenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
Acenaphthene	ND	5.7	1.7	ug/L	1	03/14/20	WB	SW8270D
Acetophenone	ND	5.7	1.8	ug/L	1	03/14/20	WB	SW8270D
Atrazine	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Benzaldehyde	ND	5.7	1.7	ug/L	1	03/14/20	WB	SW8270D
Benzyl butyl phthalate	ND	5.7	1.5	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroethoxy)methane	ND	5.0	1.6	ug/L	1	03/14/20	WB	SW8270D
Bis(2-chloroisopropyl)ether	ND	5.7	1.6	ug/L	1	03/14/20	WB	SW8270D
Bis(2-ethylhexyl)phthalate	13	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Caprolactam	ND	5.7	10	ug/L	1	03/14/20	WB	SW8270D
Carbazole	ND	5.7	4.3	ug/L	1	03/14/20	WB	SW8270D
Dibenzofuran	ND	5.0	1.7	ug/L	1	03/14/20	WB	SW8270D
Diethyl phthalate	ND	5.7	1.8	ug/L	1	03/14/20	WB	SW8270D
Dimethylphthalate	ND	5.7	1.8	ug/L	1	03/14/20	WB	SW8270D
Di-n-butylphthalate	ND	5.7	1.5	ug/L	1	03/14/20	WB	SW8270D
Di-n-octylphthalate	ND	5.7	1.5	ug/L	1	03/14/20	WB	SW8270D
Hexachlorocyclopentadiene	ND	5.0	1.7	ug/L	1	03/14/20	WB	SW8270D
Hexachloroethane	ND	1.1	1.1	ug/L	1	03/14/20	WB	SW8270D
Isophorone	ND	5.7	1.6	ug/L	1	03/14/20	WB	SW8270D
Naphthalene	ND	5.0	1.6	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodi-n-propylamine	ND	5.7	1.8	ug/L	1	03/14/20	WB	SW8270D
N-Nitrosodiphenylamine	ND	5.7	2.2	ug/L	1	03/14/20	WB	SW8270D
Phenol	ND	1.0	1.0	ug/L	1	03/14/20	WB	SW8270D
QA/QC Surrogates								
% 2,4,6-Tribromophenol	83			%	1	03/14/20	WB	15 - 110 %
% 2-Fluorobiphenyl	61			%	1	03/14/20	WB	30 - 130 %

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
% 2-Fluorophenol	53			%	1	03/14/20	WB	15 - 110 %
% Nitrobenzene-d5	62			%	1	03/14/20	WB	30 - 130 %
% Phenol-d5	55			%	1	03/14/20	WB	15 - 110 %
% Terphenyl-d14	26			%	1	03/14/20	WB	30 - 130 %

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Semivolatiles

Acenaphthylene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Anthracene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benz(a)anthracene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(a)pyrene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(b)fluoranthene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(ghi)perylene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Benzo(k)fluoranthene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Bis(2-chloroethyl)ether	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Chrysene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Dibenz(a,h)anthracene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluoranthene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Fluorene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobenzene	ND	0.04	0.04	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorobutadiene	ND	0.50	0.50	ug/L	1	03/13/20	WB	SW8270D (SIM)
Hexachlorocyclopentadiene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Indeno(1,2,3-cd)pyrene	ND	0.02	0.02	ug/L	1	03/13/20	WB	SW8270D (SIM)
Nitrobenzene	ND	0.40	0.40	ug/L	1	03/13/20	WB	SW8270D (SIM)
N-Nitrosodimethylamine	ND	0.23	0.23	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pentachlorophenol	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Phenanthrene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)
Pyrene	ND	0.57	0.57	ug/L	1	03/13/20	WB	SW8270D (SIM)

QA/QC Surrogates

% 2,4,6-Tribromophenol	75			%	1	03/13/20	WB	15 - 110 %
% 2-Fluorobiphenyl	60			%	1	03/13/20	WB	30 - 130 %
% 2-Fluorophenol	58			%	1	03/13/20	WB	15 - 110 %
% Nitrobenzene-d5	73			%	1	03/13/20	WB	30 - 130 %
% Phenol-d5	66			%	1	03/13/20	WB	15 - 110 %
% Terphenyl-d14	24			%	1	03/13/20	WB	30 - 130 %
Extraction for 1,4-Dioxane	Completed					03/12/20	S/S	

3

SVOA Library Search Top 15	Completed					03/24/20	MR	

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low J=Estimated Below RL LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

Semi-Volatile Comment:

Poor surrogate recovery was observed for one acid and/or one base surrogate. The other surrogates associated with this sample were within QA/QC criteria. No significant bias suspected.

Semi-Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

S - Laboratory solvent, contamination is possible.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 31, 2020

Reviewed and Released by: Christina White, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 31, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: GROUND WATER
Location Code: EBC
Rush Request: 72 Hour
P.O.#:

Custody Information

Collected by:
Received by: SW
Analyzed by: see "By" below

Date

03/10/20

Time

16:06

Laboratory Data

SDG ID: GCF48107
Phoenix ID: CF48111

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
<u>1,4-dioxane</u>								
1,4-dioxane	ND	100	50	ug/l	1	03/12/20	MH	SW8260C
<u>Volatiles</u>								
1,1,1-Trichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1,2-Trichloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,1-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,3-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2,4-Trichlorobenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromo-3-chloropropane	ND	0.50	0.50	ug/L	1	03/12/20	MH	SW8260C
1,2-Dibromoethane	ND	0.25	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloroethane	ND	0.60	0.25	ug/L	1	03/12/20	MH	SW8260C
1,2-Dichloropropane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,3-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
1,4-Dichlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
2-Hexanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
4-Methyl-2-pentanone	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Acetone	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Benzene	ND	0.70	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromodichloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromoform	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Bromomethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Carbon Disulfide	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference
Carbon tetrachloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chlorobenzene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloroform	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Chloromethane	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,2-Dichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
cis-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Cyclohexane	ND	5.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Dibromochloromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Dichlorodifluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Ethylbenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Isopropylbenzene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
m&p-Xylene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methyl ethyl ketone	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Methyl t-butyl ether (MTBE)	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Methylacetate	ND	2.5	2.5	ug/L	1	03/12/20	MH	SW8260C
Methylcyclohexane	ND	2.0	0.50	ug/L	1	03/12/20	MH	SW8260C
Methylene chloride	ND	3.0	1.0	ug/L	1	03/12/20	MH	SW8260C
o-Xylene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Styrene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tetrachloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Toluene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Total Xylenes	ND	1.0	1.0	ug/L	1	03/12/20	MH	SW8260C
trans-1,2-Dichloroethene	ND	2.0	0.25	ug/L	1	03/12/20	MH	SW8260C
trans-1,3-Dichloropropene	ND	0.40	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichloroethene	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorofluoromethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Trichlorotrifluoroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Vinyl chloride	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
<u>QA/QC Surrogates</u>								
% 1,2-dichlorobenzene-d4	94			%	1	03/12/20	MH	70 - 130 %
% Bromofluorobenzene	93			%	1	03/12/20	MH	70 - 130 %
% Dibromofluoromethane	97			%	1	03/12/20	MH	70 - 130 %
% Toluene-d8	90			%	1	03/12/20	MH	70 - 130 %
<u>Volatiles</u>								
1,1,1,2-Tetrachloroethane	ND	1.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Acrolein	ND	5.0	2.5	ug/L	1	03/12/20	MH	SW8260C
Acrylonitrile	ND	5.0	0.25	ug/L	1	03/12/20	MH	SW8260C
Tert-butyl alcohol	ND	50	10	ug/L	1	03/12/20	MH	SW8260C
Volatile Library Search Top 10	Completed					03/13/20	MH	

Client ID: TRIP BLANK

Parameter	Result	RL/ PQL	LOD/ MDL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

TRIP BLANK INCLUDED.

Volatile Comment:

To achieve client's objectives, where the lowest calibration standard or LOD justifies lowering the RL/PQL, the RL/PQL of some compounds have been lowered to meet criteria.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 31, 2020

Reviewed and Released by: Christina White, Project Manager

CLIENT ID

Client: EBC

SDG No.: GCF48107

Lab Sample ID: CF48107

Lab File ID: 0316_10.D

Date Received: 03/11/20

Date Analyzed: 03/16/20

Dilution Factor: 5

Soil Aliquot Vol (uL): n.a.

CONCENTRATION UNITS:

[illegible]

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

CLIENT ID

MW2

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.: _____

SAS No.: _____

SDG No.: GCF48107

Matrix:(soil/water) GROUND WATER

Lab Sample ID: CF48108

Sample wt/vol: 25 (g/mL) mL

Lab File ID: 0312_20.D

Level: (low/med) _____

Date Received: 03/11/20

% Moisture: not dec. 100

Date Analyzed: 03/12/20

GC Column: RTX-VMS ID: 0.18(mm)

Dilution Factor: 1

Purge Volume: 25000 (uL)

Soil Aliquot Vol (uL): n.a.

CONCENTRATION UNITS:

Number TICs found: 22 (ug/L or ug/KG) ug/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q
000594-82-1	Butane, 2,2,3,3-tetramethyl-	3.251	5.4	JN
103-65-1	n-Propylbenzene	6.54	39	Q
000622-96-8	Benzene, 1-ethyl-4-methyl-	6.619	4.8	JN
108-67-8	1,3,5-Trimethylbenzene	6.697	1.6	Q
95-63-6	1,2,4-Trimethylbenzene	7	19	Q
135-98-8	sec-Butylbenzene	7.084	5.2	Q
99-87-6	p-Isopropyltoluene	7.204	2	Q
527-84-4	2-Isopropyltoluene	7.408	0.7	Q
	unknown	7.461	4.6	J
104-51-8	n-Butylbenzene	7.544	2.5	Q
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	7.759	18	JN
000527-84-4	Benzene, 1-methyl-2-(1-methylethyl	7.838	36	JN
	Indan, 1-methyl- Isomer	7.921	12	JN
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	8.178	19	JN
	Benzene, 1,2,4,5-tetramethyl- Isomer	8.220	17	JN
000824-90-8	1-Phenyl-1-butene	8.397	11	JN
000767-58-8	Indan, 1-methyl-	8.549	18	JN
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	8.570	11	JN
	unknown	9.025	8.8	J
000112-40-3	Dodecane	9.203	31	JN
074645-98-0	Dodecane, 2,7,10-trimethyl-	9.857	12	JN
000629-59-4	Tetradecane	9.982	22	JN

FORM I VOA-TIC

CLIENT ID

MW3

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF48107

Matrix:(soil/water) GROUND WATER

Lab Sample ID: CF48109

Sample wt/vol: 25 (g/mL) mL

Lab File ID: 0316_14.D

Level: (low/med)

Date Received: 03/11/20

% Moisture: not dec.	100

Date Analyzed: 03/16/20

GC Column: RTX-VMS ID: 0.18(mm)

Dilution Factor: 1

Purge Volume: 25000 (uL)

Soil Aliquot Vol (uL): n.a.

Number TICs found: 15

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

[illegible]

FORM I VOA-TIC

CLIENT ID

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF48107

Matrix:(soil/water) GROUND WATER

Lab Sample ID: CF48110

Sample wt/vol: 25 (g/mL) mL

Lab File ID: 0312_22.D

Level: (low/med)

Date Received: 03/11/20

% Moisture: not dec.	100

Date Analyzed: 03/12/20

GC Column: RTX-VMS ID: 0.18(mm)

Dilution Factor: 1

Purge Volume: 25000 (uL)

Soil Aliquot Vol (uL): n.a.

Number TICs found: 22

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

[illegible]

CLIENT ID

TRIP BLANK

Lab Name: Phoenix Environmental Labs

Client: EBC

Lab Code: Phoenix Case No.:

SAS No.:

SDG No.: GCF48107

Matrix:(soil/water) GROUND WATER

Lab Sample ID: CF48111

Sample wt/vol: 25 (g/mL) mL

Lab File ID: 0312_09.D

Level: (low/med)

Date Received: 03/11/20

% Moisture: not dec.	100

Date Analyzed: 03/12/20

GC Column: RTX-VMS ID: 0.18(mm)

Dilution Factor: 1

Purge Volume: 25000 (uL)

Soil Aliquot Vol (uL): n.a.

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

[illegible]

CLIENT ID

MW1

Client: EBC

SAS No.:

SDG No.: GCF48107

Lab Sample ID: CF48107

Lab File ID: 0318_15A.D

Date Received: 03/11/20

Date Extracted: 03/18/20

Date Analyzed: 3/18/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/L

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

MW2

Client: EBC

SAS No.:

SDG No.: GCF48107

Lab Sample ID: CF48108

Lab File ID: 0313_24.D

Date Received: 03/11/20

Date Extracted: 03/14/20

Date Analyzed: 3/14/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/L

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID
CF48109 BLK

Client:

SAS No.: _____

SDG No.: _____

Lab Sample ID: CF48109 BLK

Lab File ID: 0313_17.D

Date Received: 03/11/20

Date Extracted: 03/14/20

Date Analyzed: 3/14/2020

Dilution Factor 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID

MW3

Client: EBC

SAS No.:

SDG No.: GCF48107

Lab Sample ID: CF48109

Lab File ID: 0313_23.D

Date Received: 03/11/20

Date Extracted: 03/14/20

Date Analyzed: 3/14/2020

Dilution Factor 1

CONCENTRATION UNITS:

(ug/L or ug/KG) ug/L

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.

CLIENT ID
MW DUPLICATE

Client: EBC

SDG No.: GCF48107

Lab Sample ID: CF48110

Lab File ID: 0313_25.D

Date Received: 03/11/20

Date Extracted: 03/14/20

Date Analyzed: 3/14/2020

Dilution Factor 1

CONCENTRATION UNITS:
(ug/L or ug/KG) ug/L

[illegible]

FORM I SEMIVOA-TIC

A - Indicates that the tentatively identified compound is a suspected aldol condensation product. Aldol condensation products are produced during the extraction process.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



QA/QC Report

March 31, 2020

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 522064 (mg/L), QC Sample No: CF48109 (CF48107, CF48108, CF48109, CF48110)													
Mercury (Dissolved)	BRL	0.0002	<0.0002	<0.0003	NC	109			114	113	0.9	75 - 125	20
QA/QC Batch 522065 (mg/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	113			97.6	96.6	1.0	75 - 125	20
QA/QC Batch 522240 (mg/L), QC Sample No: CF48467 (CF48107)													
Mercury - Water	BRL	0.0002	<0.0002	<0.0002	NC	112			120			75 - 125	20
QA/QC Batch 522160 (mg/L), QC Sample No: CF47607 (CF48107)													

ICP Metals - Aqueous

Aluminum	BRL	0.020	0.023	0.023	NC	92.7	94.6	2.0	96.7			80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	97.8	99.3	1.5	100			80 - 120	20
Barium	BRL	0.002	0.012	0.012	0	98.2	100	1.8	102			80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	100	101	1.0	102			80 - 120	20
Cadmium	BRL	0.001	<0.001	<0.001	NC	99.7	101	1.3	103			80 - 120	20
Calcium	BRL	0.010	6.11	6.14	0.50	97.1	99.4	2.3	NC			80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	99.6	101	1.4	102			80 - 120	20
Cobalt	BRL	0.002	<0.002	<0.002	NC	102	104	1.9	105			80 - 120	20
Copper	BRL	0.005	0.026	0.025	3.90	96.9	99.2	2.3	101			80 - 120	20
Iron	BRL	0.010	0.644	0.646	0.30	104	104	0.0	104			80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	95.3	96.9	1.7	97.3			80 - 120	20
Magnesium	BRL	0.010	2.16	2.16	0	98.9	99.9	1.0	104			80 - 120	20
Manganese	BRL	0.001	0.009	0.009	0	99.1	101	1.9	103			80 - 120	20
Nickel	BRL	0.001	0.018	0.018	0	99.0	101	2.0	101			80 - 120	20
Potassium	BRL	0.1	1.8	1.8	0	97.6	98.5	0.9	103			80 - 120	20
Selenium	BRL	0.010	<0.010	<0.010	NC	95.6	96.9	1.4	97.9			80 - 120	20
Silver	BRL	0.001	<0.001	<0.001	NC	95.4	97.3	2.0	99.0			70 - 130	30
Sodium	BRL	0.10	36.8	37.3	1.30	101	102	1.0	NC			80 - 120	20
Vanadium	BRL	0.002	<0.002	<0.002	NC	97.9	99.8	1.9	101			80 - 120	20
Zinc	BRL	0.004	0.027	0.027	0	99.6	101	1.4	102			80 - 120	20

QA/QC Batch 521981 (mg/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)

ICP Metals - Aqueous

Aluminum	BRL	0.020	6.16	5.49	11.5	95.6	96.7	1.1	NC	NC	NC	80 - 120	20
Arsenic	BRL	0.004	<0.004	<0.004	NC	101	104	2.9	105	106	0.9	80 - 120	20
Barium	BRL	0.002	0.346	0.337	2.60	101	103	2.0	101	103	2.0	80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	104	105	1.0	103	104	1.0	80 - 120	20
Cadmium	BRL	0.001	<0.004	<0.001	NC	102	105	2.9	97.6	99.0	1.4	80 - 120	20
Calcium	BRL	0.010	125	125	0	99.2	101	1.8	NC	NC	NC	80 - 120	20
Chromium	BRL	0.001	0.023	0.021	9.10	101	104	2.9	99.6	101	1.4	80 - 120	20
Cobalt	BRL	0.002	0.009	0.008	NC	101	103	2.0	97.7	99.2	1.5	80 - 120	20
Copper	BRL	0.005	0.024	0.023	NC	99.6	101	1.4	101	104	2.9	80 - 120	20
Iron	BRL	0.010	10.7	9.74	9.40	102	104	1.9	NC	NC	NC	80 - 120	20
Lead	BRL	0.002	0.015	0.014	6.90	96.8	98.9	2.1	93.9	95.4	1.6	80 - 120	20
Magnesium	BRL	0.010	36.5	36.1	1.10	101	103	2.0	NC	NC	NC	80 - 120	20

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	Sample Result	Dup Result	Dup RPD	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Manganese	BRL	0.001	2.95	2.88	2.40	101	103	2.0	93.2	101	8.0	80 - 120	20
Nickel	BRL	0.001	0.055	0.052	5.60	101	103	2.0	97.3	98.3	1.0	80 - 120	20
Potassium	BRL	0.1	9.5	9.3	2.10	99.3	103	3.7	120	115	4.3	80 - 120	20
Silver	BRL	0.001	0.002 J	0.002	NC	98.5	99.9	1.4	100	102	2.0	70 - 130	30
Sodium	BRL	0.10	88.5	88.7	0.20	98.2	101	2.8	NC	NC	NC	80 - 120	20
Vanadium	BRL	0.002	0.013	0.011	NC	99.8	102	2.2	99.3	101	1.7	80 - 120	20
Zinc	BRL	0.004	0.039	0.039	NC	101	103	2.0	99.8	101	1.2	80 - 120	20

QA/QC Batch 521976 (mg/L), QC Sample No: CF48109 (CF48107, CF48108, CF48109, CF48110)

ICP Metals - Dissolved

Aluminum	BRL	0.011	0.040	0.040	NC	84.7	84.9	0.2	88.9	92.1	3.5	80 - 120	20
Arsenic	BRL	0.004	<0.003	<0.004	NC	91.2	89.8	1.5	94.6	96.4	1.9	80 - 120	20
Barium	BRL	0.002	0.278	0.277	0.40	86.7	87.4	0.8	88.7	90.8	2.3	80 - 120	20
Beryllium	BRL	0.001	<0.001	<0.001	NC	93.5	92.5	1.1	93.2	95.7	2.6	80 - 120	20
Cadmium	BRL	0.001	<0.004	<0.001	NC	91.2	89.8	1.5	88.1	89.9	2.0	80 - 120	20
Calcium	BRL	0.01	121	121	0	88.6	88.6	0.0	NC	NC	NC	80 - 120	20
Chromium	BRL	0.001	<0.001	<0.001	NC	89.6	88.9	0.8	89.2	91.2	2.2	80 - 120	20
Cobalt	BRL	0.001	0.004 J	0.004	NC	89.7	88.8	1.0	87.6	89.6	2.3	80 - 120	20
Copper	BRL	0.005	0.001 J	0.001	NC	88.2	88.6	0.5	90.7	93.0	2.5	80 - 120	20
Iron	BRL	0.011	0.02	0.015	NC	90.3	89.5	0.9	88.9	91.0	2.3	80 - 120	20
Lead	BRL	0.002	<0.002	<0.002	NC	87.1	86.0	1.3	84.6	87.0	2.8	80 - 120	20
Magnesium	BRL	0.01	31.9	32.2	0.90	89.8	89.3	0.6	NC	NC	NC	80 - 120	20
Manganese	BRL	0.001	2.71	2.69	0.70	89.6	89.4	0.2	88.5	88.1	0.5	80 - 120	20
Nickel	BRL	0.001	0.024	0.024	0	90.0	88.9	1.2	87.5	89.4	2.1	80 - 120	20
Potassium	BRL	0.1	8.1	8.0	1.20	88.6	87.5	1.2	92.6	97.3	4.9	80 - 120	20
Silver	BRL	0.001	<0.005	<0.001	NC	88.1	88.1	0.0	89.7	91.9	2.4	70 - 130	30
Sodium	BRL	0.11	86.6	85.9	0.80	89.4	87.6	2.0	NC	NC	NC	80 - 120	20
Vanadium	BRL	0.002	<0.011	<0.002	NC	89.5	89.3	0.2	89.1	91.3	2.4	80 - 120	20
Zinc	BRL	0.002	0.003 J	0.003	NC	89.6	88.6	1.1	89.0	90.8	2.0	80 - 120	20

QA/QC Batch 521977 (mg/L), QC Sample No: CF48109 (CF48107, CF48108, CF48109, CF48110)

ICP Metals MS - Dissolved

Antimony	BRL	0.0003	0.0002 J	0.0002	NC	84.3	87.1	3.3	86.9	91.9	5.6	80 - 120	20
Selenium	BRL	0.002	0.002 J	0.002	NC	88.4	93.7	5.8	86.2	89.1	3.3	80 - 120	20
Thallium	BRL	0.0003	<0.0003	<0.0003	NC	87.8	92.4	5.1	88.6	92.6	4.4	80 - 120	20

QA/QC Batch 522162 (mg/L), QC Sample No: CF48109 5X (CF48107, CF48108, CF48109, CF48110)

ICP MS Metals - Aqueous

Antimony	BRL	0.0015	<0.0030	<0.0030	NC	104	99.8	4.1	99.6	101	1.4	80 - 120	20
Selenium	BRL	0.005	0.002 J	0.002	NC	115	115	0.0	107	108	0.9	80 - 120	20
Thallium	BRL	0.0003	<0.0005	<0.0005	NC	111	105	5.6	104	105	1.0	80 - 120	20



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QA/QC Report

March 31, 2020

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 522611 (ug/L), QC Sample No: CF48107 (CF48107)										
<u>Polychlorinated Biphenyls - Ground Water</u>										
PCB-1016	ND	0.050	102	97	5.0				40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	103	101	2.0				40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	77	%	86	88	2.3				30 - 150	20
% DCBP (Surrogate Rec) (Confirm	70	%	78	107	31.4				30 - 150	20
% TCMX (Surrogate Rec)	76	%	100	96	4.1				30 - 150	20
% TCMX (Surrogate Rec) (Confirm	75	%	102	97	5.0				30 - 150	20

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 522152 (ug/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)

Polychlorinated Biphenyls - Ground Water

PCB-1016	ND	0.050	90	101	11.5	90	94	4.3	40 - 140	20
PCB-1221	ND	0.050							40 - 140	20
PCB-1232	ND	0.050							40 - 140	20
PCB-1242	ND	0.050							40 - 140	20
PCB-1248	ND	0.050							40 - 140	20
PCB-1254	ND	0.050							40 - 140	20
PCB-1260	ND	0.050	102	114	11.1	50	64	24.6	40 - 140	20
PCB-1262	ND	0.050							40 - 140	20
PCB-1268	ND	0.050							40 - 140	20
% DCBP (Surrogate Rec)	77	%	94	98	4.2	35	51	37.2	30 - 150	20
% DCBP (Surrogate Rec) (Confirm	76	%	96	101	5.1	35	48	31.3	30 - 150	20
% TCMX (Surrogate Rec)	70	%	89	98	9.6	106	107	0.9	30 - 150	20
% TCMX (Surrogate Rec) (Confirm	69	%	90	100	10.5	90	90	0.0	30 - 150	20

QA/QC Batch 522612 (ug/L), QC Sample No: CF48107 (CF48107)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	111	104	6.5				40 - 140	20
4,4' -DDE	ND	0.003	102	95	7.1				40 - 140	20
4,4' -DDT	ND	0.003	95	88	7.7				40 - 140	20
a-BHC	ND	0.002	75	72	4.1				40 - 140	20
a-Chlordane	ND	0.005	90	84	6.9				40 - 140	20
Alachlor	ND	0.005	NA	NA	NC				40 - 140	20
Aldrin	ND	0.002	92	82	11.5				40 - 140	20
b-BHC	ND	0.002	127	116	9.1				40 - 140	20

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Chlordane	ND	0.050	88	81	8.3				40 - 140	20
d-BHC	ND	0.005	57	54	5.4				40 - 140	20
Dieldrin	ND	0.002	95	88	7.7				40 - 140	20
Endosulfan I	ND	0.005	91	82	10.4				40 - 140	20
Endosulfan II	ND	0.005	112	101	10.3				40 - 140	20
Endosulfan sulfate	ND	0.005	100	91	9.4				40 - 140	20
Endrin	ND	0.005	98	91	7.4				40 - 140	20
Endrin aldehyde	ND	0.005	117	107	8.9				40 - 140	20
Endrin ketone	ND	0.005	103	94	9.1				40 - 140	20
g-BHC	ND	0.002	99	95	4.1				40 - 140	20
g-Chlordane	ND	0.005	88	81	8.3				40 - 140	20
Heptachlor	ND	0.005	83	78	6.2				40 - 140	20
Heptachlor epoxide	ND	0.005	91	84	8.0				40 - 140	20
Methoxychlor	ND	0.005	108	94	13.9				40 - 140	20
Toxaphene	ND	0.20	NA	NA	NC				40 - 140	20
% DCBP	67	%	81	95	15.9				30 - 150	20
% DCBP (Confirmation)	57	%	97	99	2.0				30 - 150	20
% TCMX	57	%	76	73	4.0				30 - 150	20
% TCMX (Confirmation)	62	%	75	73	2.7				30 - 150	20

Comment:

A LCS and LCS duplicate were performed instead of a MS and MSD. Alpha and gamma chlordane were spiked and analyzed instead of technical chlordane. Gamma chlordane recovery is reported as chlordane in the LCS and LCSD

QA/QC Batch 522153 (ug/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)

Pesticides - Ground Water

4,4' -DDD	ND	0.003	119	125	4.9	77	68	12.4	40 - 140	20	
4,4' -DDE	ND	0.003	106	110	3.7	63	57	10.0	40 - 140	20	
4,4' -DDT	ND	0.003	105	110	4.7	58	49	16.8	40 - 140	20	
a-BHC	ND	0.002	92	92	0.0	61	61	0.0	40 - 140	20	
a-Chlordane	ND	0.005	93	99	6.3	96	83	14.5	40 - 140	20	
Alachlor	ND	0.005	NA	NA	NC	NA	NA	NC	40 - 140	20	
Aldrin	ND	0.002	78	85	8.6	88	44	66.7	40 - 140	20	r
b-BHC	ND	0.002	100	129	25.3	71	69	2.9	40 - 140	20	r
Chlordane	ND	0.050	101	97	4.0	67	47	35.1	40 - 140	20	r
d-BHC	ND	0.005	63	64	1.6	47	42	11.2	40 - 140	20	
Dieldrin	ND	0.002	99	101	2.0	73	71	2.8	40 - 140	20	
Endosulfan I	ND	0.005	94	98	4.2	70	61	13.7	40 - 140	20	
Endosulfan II	ND	0.005	111	115	3.5	69	64	7.5	40 - 140	20	
Endosulfan sulfate	ND	0.005	108	99	8.7	79	86	8.5	40 - 140	20	
Endrin	ND	0.005	107	111	3.7	78	81	3.8	40 - 140	20	
Endrin aldehyde	ND	0.005	119	121	1.7	73	73	0.0	40 - 140	20	
Endrin ketone	ND	0.005	118	123	4.1	64	56	13.3	40 - 140	20	
g-BHC	ND	0.002	93	95	2.1	122	86	34.6	40 - 140	20	r
g-Chlordane	ND	0.005	101	97	4.0	67	47	35.1	40 - 140	20	r
Heptachlor	ND	0.005	89	91	2.2	45	59	26.9	40 - 140	20	r
Heptachlor epoxide	ND	0.005	91	97	6.4	61	56	8.5	40 - 140	20	
Methoxychlor	ND	0.005	108	112	3.6	55	56	1.8	40 - 140	20	
Toxaphene	ND	0.20	NA	NA	NC	NA	NA	NC	40 - 140	20	
% DCBP	75	%	75	84	11.3	30	32	6.5	30 - 150	20	
% DCBP (Confirmation)	90	%	78	85	8.6	42	58	32.0	30 - 150	20	r
% TCMX	57	%	85	90	5.7	58	55	5.3	30 - 150	20	
% TCMX (Confirmation)	65	%	74	79	6.5	113	132	15.5	30 - 150	20	

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
QA/QC Batch 522635 (ug/L), QC Sample No: CF47921 (CF48107)										
<u>Semivolatiles - Ground Water</u>										
1,1-Biphenyl	ND	3.5	77	79	2.6				30 - 130	20
1,2,4,5-Tetrachlorobenzene	ND	3.5	75	76	1.3				30 - 130	20
2,3,4,6-tetrachlorophenol	ND	3.5	92	92	0.0				30 - 130	20
2,4,5-Trichlorophenol	ND	1.0	93	101	8.2				30 - 130	20
2,4,6-Trichlorophenol	ND	1.0	84	88	4.7				30 - 130	20
2,4-Dichlorophenol	ND	1.0	87	89	2.3				30 - 130	20
2,4-Dimethylphenol	ND	1.0	90	90	0.0				30 - 130	20
2,4-Dinitrophenol	ND	1.0	88	94	6.6				30 - 130	20
2,4-Dinitrotoluene	ND	3.5	107	110	2.8				30 - 130	20
2,6-Dinitrotoluene	ND	3.5	99	104	4.9				30 - 130	20
2-Chloronaphthalene	ND	3.5	79	80	1.3				30 - 130	20
2-Chlorophenol	ND	1.0	79	83	4.9				30 - 130	20
2-Methylnaphthalene	ND	3.5	77	79	2.6				30 - 130	20
2-Methylphenol (o-cresol)	ND	1.0	85	87	2.3				30 - 130	20
2-Nitroaniline	ND	3.5	127	131	3.1				30 - 130	20
2-Nitrophenol	ND	1.0	84	88	4.7				30 - 130	20
3&4-Methylphenol (m&p-cresol)	ND	1.0	93	99	6.3				30 - 130	20
3,3'-Dichlorobenzidine	ND	5.0	62	65	4.7				30 - 130	20
3-Nitroaniline	ND	5.0	100	95	5.1				30 - 130	20
4,6-Dinitro-2-methylphenol	ND	1.0	96	99	3.1				30 - 130	20
4-Bromophenyl phenyl ether	ND	3.5	87	88	1.1				30 - 130	20
4-Chloro-3-methylphenol	ND	1.0	98	101	3.0				30 - 130	20
4-Chloroaniline	ND	3.5	64	59	8.1				30 - 130	20
4-Chlorophenyl phenyl ether	ND	1.0	82	84	2.4				30 - 130	20
4-Nitroaniline	ND	5.0	94	100	6.2				30 - 130	20
4-Nitrophenol	ND	1.0	80	86	7.2				30 - 130	20
Acenaphthene	ND	1.5	82	85	3.6				30 - 130	20
Acetophenone	ND	3.5	75	78	3.9				30 - 130	20
Atrazine	ND	3.5	61	76	21.9				30 - 130	20
Benzaldehyde	ND	3.5	127	139	9.0				30 - 130	20
Benzyl butyl phthalate	ND	1.5	103	105	1.9				30 - 130	20
Bis(2-chloroethoxy)methane	ND	3.5	78	78	0.0				30 - 130	20
Bis(2-chloroisopropyl)ether	ND	1.0	66	67	1.5				30 - 130	20
Bis(2-ethylhexyl)phthalate	ND	1.5	105	107	1.9				30 - 130	20
Caprolactam	ND	3.5	95	97	2.1				30 - 130	20
Carbazole	ND	5.0	91	93	2.2				30 - 130	20
Dibenzofuran	ND	3.5	83	85	2.4				30 - 130	20
Diethyl phthalate	ND	1.5	95	97	2.1				30 - 130	20
Dimethylphthalate	ND	1.5	90	93	3.3				30 - 130	20
Di-n-butylphthalate	ND	1.5	98	98	0.0				30 - 130	20
Di-n-octylphthalate	ND	1.5	97	95	2.1				30 - 130	20
Hexachlorocyclopentadiene	ND	3.5	32	35	9.0				30 - 130	20
Hexachloroethane	ND	3.5	67	71	5.8				30 - 130	20
Isophorone	ND	3.5	79	79	0.0				30 - 130	20
Naphthalene	ND	1.5	71	71	0.0				30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.5	81	83	2.4				30 - 130	20
N-Nitrosodiphenylamine	ND	3.5	79	80	1.3				30 - 130	20
Phenol	ND	1.0	85	92	7.9				30 - 130	20
% 2,4,6-Tribromophenol	70	%	87	94	7.7				15 - 110	20
% 2-Fluorobiphenyl	55	%	74	76	2.7				30 - 130	20

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
% 2-Fluorophenol	43	%	62	69	10.7				15 - 110	20
% Nitrobenzene-d5	51	%	74	77	4.0				30 - 130	20
% Phenol-d5	37	%	69	76	9.7				15 - 110	20
% Terphenyl-d14	68	%	79	79	0.0				30 - 130	20

Comment:

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 521988 (ug/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)

Semivolatiles - Ground Water

1,1-Biphenyl	ND	3.5	69	73	5.6	73			30 - 130	20	
1,2,4,5-Tetrachlorobenzene	ND	3.5	68	72	5.7	59			30 - 130	20	
2,3,4,6-tetrachlorophenol	ND	3.5	88	84	4.7	89			30 - 130	20	
2,4,5-Trichlorophenol	ND	1.0	89	88	1.1	98			30 - 130	20	
2,4,6-Trichlorophenol	ND	1.0	81	81	0.0	93			30 - 130	20	
2,4-Dichlorophenol	ND	1.0	73	73	0.0	86			30 - 130	20	
2,4-Dimethylphenol	ND	1.0	77	79	2.6	79			30 - 130	20	
2,4-Dinitrophenol	ND	1.0	84	86	2.4	107			30 - 130	20	
2,4-Dinitrotoluene	ND	3.5	109	108	0.9	107			30 - 130	20	m
2,6-Dinitrotoluene	ND	3.5	97	99	2.0	99			30 - 130	20	
2-Chloronaphthalene	ND	3.5	70	74	5.6	68			30 - 130	20	
2-Chlorophenol	ND	1.0	49	51	4.0	62			30 - 130	20	
2-Methylnaphthalene	ND	3.5	66	70	5.9	66			30 - 130	20	
2-Methylphenol (o-cresol)	ND	1.0	59	59	0.0	73			30 - 130	20	
2-Nitroaniline	ND	3.5	119	126	5.7	11			30 - 130	20	m
2-Nitrophenol	ND	1.0	72	73	1.4	75			30 - 130	20	
3&4-Methylphenol (m&p-cresol)	ND	1.0	59	62	5.0	76			30 - 130	20	
3,3'-Dichlorobenzidine	ND	5.0	35	64	58.6	<10			30 - 130	20	m,r
3-Nitroaniline	ND	5.0	100	109	8.6	17			30 - 130	20	m
4,6-Dinitro-2-methylphenol	ND	1.0	98	94	4.2	97			30 - 130	20	
4-Bromophenyl phenyl ether	ND	3.5	82	83	1.2	57			30 - 130	20	
4-Chloro-3-methylphenol	ND	1.0	86	88	2.3	98			30 - 130	20	
4-Chloroaniline	ND	3.5	61	81	28.2	38			30 - 130	20	r
4-Chlorophenyl phenyl ether	ND	1.0	81	81	0.0	59			30 - 130	20	
4-Nitroaniline	ND	5.0	89	87	2.3	14			30 - 130	20	m
4-Nitrophenol	ND	1.0	82	73	11.6	101			30 - 130	20	
Acenaphthene	ND	1.5	73	74	1.4	68			30 - 130	20	
Acetophenone	ND	3.5	59	64	8.1	64			30 - 130	20	
Atrazine	ND	3.5	44	65	38.5	66			30 - 130	20	r
Benzaldehyde	ND	3.5	87	91	4.5	101			30 - 130	20	
Benzyl butyl phthalate	ND	1.5	98	93	5.2	53			30 - 130	20	
Bis(2-chloroethoxy)methane	ND	3.5	63	69	9.1	69			30 - 130	20	
Bis(2-chloroisopropyl)ether	ND	1.0	44	48	8.7	48			30 - 130	20	
Bis(2-ethylhexyl)phthalate	ND	1.5	105	102	2.9	52			30 - 130	20	
Caprolactam	ND	3.5	87	83	4.7	81			30 - 130	20	
Carbazole	ND	5.0	96	95	1.0	89			30 - 130	20	
Dibenzofuran	ND	3.5	79	80	1.3	75			30 - 130	20	
Diethyl phthalate	ND	1.5	92	91	1.1	88			30 - 130	20	
Dimethylphthalate	ND	1.5	89	90	1.1	83			30 - 130	20	
Di-n-butylphthalate	ND	1.5	96	94	2.1	55			30 - 130	20	
Di-n-octylphthalate	ND	1.5	96	92	4.3	47			30 - 130	20	
Hexachlorocyclopentadiene	ND	3.5	27	28	3.6	19			30 - 130	20	l,m
Hexachloroethane	ND	3.5	48	52	8.0	51			30 - 130	20	

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Isophorone	ND	3.5	71	72	1.4	67			30 - 130	20
Naphthalene	ND	1.5	61	65	6.3	62			30 - 130	20
N-Nitrosodi-n-propylamine	ND	3.5	63	66	4.7	65			30 - 130	20
N-Nitrosodiphenylamine	ND	3.5	80	80	0.0	82			30 - 130	20
Phenol	ND	1.0	43	42	2.4	64			30 - 130	20
% 2,4,6-Tribromophenol	50	%	89	87	2.3	91			15 - 110	20
% 2-Fluorobiphenyl	58	%	66	70	5.9	63			30 - 130	20
% 2-Fluorophenol	40	%	35	33	5.9	43			15 - 110	20
% Nitrobenzene-d5	41	%	51	52	1.9	58			30 - 130	20
% Phenol-d5	<10	%	38	35	8.2	51			15 - 110	20
% Terphenyl-d14	57	%	86	84	2.4	26			30 - 130	20

Comment:

The 8270 SIM batch consists of a Blank, LCS, LCSD, MS and MSD.

The 8270 batch consists of a Blank, LCS, LCSD and MS.

Additional 8270 criteria: Four of the compounds can be outside of acceptance criteria as long as recovery is at least 10%. (Acid surrogates acceptance range for aqueous samples: 10-110%, for soils 30-130%)

QA/QC Batch 522172 (ug/l), QC Sample No: CF48109 (CF48107, CF48108, CF48109, CF48110)

1,4dioxane - Ground Water

1,4-dioxane	ND	0.20	80	79	1.3	98	80	20.2	30 - 130	20
% 1,4-dioxane-d8	77	%	82	78	5.0	84	83	1.2	30 - 130	20

QA/QC Batch 522635 (ug/L), QC Sample No: CF47921 (CF48107)

Semivolatiles (SIM) - Ground Water

Acenaphthylene	ND	0.50	92	100	8.3				30 - 130	20
Anthracene	ND	0.50	98	103	5.0				30 - 130	20
Benz(a)anthracene	ND	0.50	109	115	5.4				30 - 130	20
Benzo(a)pyrene	ND	0.50	114	128	11.6				30 - 130	20
Benzo(b)fluoranthene	ND	0.50	110	118	7.0				30 - 130	20
Benzo(ghi)perylene	ND	0.50	104	104	0.0				30 - 130	20
Benzo(k)fluoranthene	ND	0.50	114	106	7.3				30 - 130	20
Bis(2-chloroethyl)ether	ND	0.50	78	83	6.2				30 - 130	20
Chrysene	ND	0.50	101	107	5.8				30 - 130	20
Dibenz(a,h)anthracene	ND	0.50	96	95	1.0				30 - 130	20
Fluoranthene	ND	0.50	82	88	7.1				30 - 130	20
Fluorene	ND	0.50	96	101	5.1				30 - 130	20
Hexachlorobenzene	ND	0.50	95	99	4.1				30 - 130	20
Hexachlorobutadiene	ND	0.50	87	92	5.6				30 - 130	20
Hexachlorocyclopentadiene	ND	0.50	22	26	16.7				30 - 130	20
Indeno(1,2,3-cd)pyrene	ND	0.50	90	90	0.0				30 - 130	20
Nitrobenzene	ND	0.50	87	91	4.5				30 - 130	20
N-Nitrosodimethylamine	ND	0.05	80	88	9.5				30 - 130	20
Pentachlorophenol	ND	0.50	64	65	1.6				30 - 130	20
Phenanthrene	ND	0.50	89	94	5.5				30 - 130	20
Pyrene	ND	0.50	96	105	9.0				30 - 130	20
% 2,4,6-Tribromophenol	81	%	119	126	5.7				15 - 110	20
% 2-Fluorobiphenyl	56	%	86	94	8.9				30 - 130	20
% 2-Fluorophenol	49	%	71	82	14.4				15 - 110	20
% Nitrobenzene-d5	52	%	84	92	9.1				30 - 130	20
% Phenol-d5	38	%	76	87	13.5				15 - 110	20
% Terphenyl-d14	73	%	86	93	7.8				30 - 130	20

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits	
QA/QC Batch 521988 (ug/L), QC Sample No: CF48109 (CF48108, CF48109, CF48110)											
Semivolatiles (SIM) - Ground Water											
Acenaphthylene	ND	0.50	71	57	21.9	80	47	52.0	30 - 130	20	r
Anthracene	ND	0.50	80	63	23.8	65	53	20.3	30 - 130	20	r
Benz(a)anthracene	ND	0.50	83	66	22.8	38	41	7.6	30 - 130	20	r
Benzo(a)pyrene	ND	0.50	78	61	24.5	31	16	63.8	30 - 130	20	m,r
Benzo(b)fluoranthene	ND	0.50	79	63	22.5	31	34	9.2	30 - 130	20	r
Benzo(ghi)perylene	ND	0.50	90	70	25.0	37	32	14.5	30 - 130	20	r
Benzo(k)fluoranthene	ND	0.50	75	59	23.9	30	34	12.5	30 - 130	20	r
Bis(2-chloroethyl)ether	ND	0.50	47	42	11.2	64	68	6.1	30 - 130	20	
Chrysene	ND	0.50	84	67	22.5	38	42	10.0	30 - 130	20	r
Dibenz(a,h)anthracene	ND	0.50	91	71	24.7	41	39	5.0	30 - 130	20	r
Fluoranthene	ND	0.50	78	62	22.9	53	56	5.5	30 - 130	20	r
Fluorene	ND	0.50	79	63	22.5	80	86	7.2	30 - 130	20	r
Hexachlorobenzene	ND	0.50	73	58	22.9	43	46	6.7	30 - 130	20	r
Hexachlorobutadiene	ND	0.50	51	44	14.7	47	58	21.0	30 - 130	20	r
Hexachlorocyclopentadiene	ND	0.50	25	20	22.2	23	31	29.6	30 - 130	20	l,m,r
Indeno(1,2,3-cd)pyrene	ND	0.50	85	66	25.2	36	33	8.7	30 - 130	20	r
Nitrobenzene	ND	0.50	60	52	14.3	115	168	37.5	30 - 130	20	m,r
N-Nitrosodimethylamine	ND	0.05	44	39	12.0	56	58	3.5	30 - 130	20	
Pentachlorophenol	ND	0.50	56	43	26.3	91	86	5.6	30 - 130	20	r
Phenanthrene	ND	0.50	75	59	23.9	66	69	4.4	30 - 130	20	r
Pyrene	ND	0.50	82	66	21.6	56	49	13.3	30 - 130	20	r
% 2,4,6-Tribromophenol	57	%	78	59	27.7	82	83	1.2	15 - 110	20	r
% 2-Fluorobiphenyl	61	%	64	52	20.7	67	74	9.9	30 - 130	20	r
% 2-Fluorophenol	48	%	33	24	31.6	49	54	9.7	15 - 110	20	r
% Nitrobenzene-d5	51	%	47	42	11.2	63	67	6.2	30 - 130	20	
% Phenol-d5	<10	%	39	28	32.8	61	61	0.0	15 - 110	20	r,s
% Terphenyl-d14	59	%	71	57	21.9	28	32	13.3	30 - 130	20	m,r

Comment:

The 8270 SIM batch consists of a Blank, LCS, LCSD, MS and MSD.

The 8270 batch consists of a Blank, LCS, LCSD and MS.

QA/QC Batch 522775 (ug/L), QC Sample No: CF48109 (CF48107 (5X) , CF48109)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	97	101	4.0	98	90	8.5	70 - 130	30
1,1,1-Trichloroethane	ND	1.0	94	94	0.0	100	92	8.3	70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	102	103	1.0	99	95	4.1	70 - 130	30
1,1,2-Trichloroethane	ND	1.0	99	99	0.0	98	91	7.4	70 - 130	30
1,1-Dichloroethane	ND	1.0	96	96	0.0	96	91	5.3	70 - 130	30
1,1-Dichloroethene	ND	1.0	102	99	3.0	102	94	8.2	70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	104	105	1.0	109	106	2.8	70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	100	100	0.0	103	101	2.0	70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	111	112	0.9	109	105	3.7	70 - 130	30
1,2-Dibromoethane	ND	1.0	96	98	2.1	91	86	5.6	70 - 130	30
1,2-Dichlorobenzene	ND	1.0	96	97	1.0	98	93	5.2	70 - 130	30
1,2-Dichloroethane	ND	1.0	98	94	4.2	93	86	7.8	70 - 130	30
1,2-Dichloropropane	ND	1.0	99	101	2.0	94	89	5.5	70 - 130	30
1,3-Dichlorobenzene	ND	1.0	93	95	2.1	96	93	3.2	70 - 130	30
1,4-Dichlorobenzene	ND	1.0	94	95	1.1	97	92	5.3	70 - 130	30
2-Hexanone	ND	5.0	97	94	3.1	101	91	10.4	70 - 130	30
4-Methyl-2-pentanone	ND	5.0	96	96	0.0	97	87	10.9	70 - 130	30
Acetone	ND	5.0	97	93	4.2	95	82	14.7	70 - 130	30

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
Acrolein	ND	5.0	119	122	2.5	84	83	1.2	70 - 130	30
Acrylonitrile	ND	5.0	100	102	2.0	87	88	1.1	70 - 130	30
Benzene	ND	0.70	96	98	2.1	97	92	5.3	70 - 130	30
Bromochloromethane	ND	1.0	96	98	2.1	91	87	4.5	70 - 130	30
Bromodichloromethane	ND	0.50	102	102	0.0	94	87	7.7	70 - 130	30
Bromoform	ND	1.0	104	107	2.8	109	100	8.6	70 - 130	30
Bromomethane	ND	1.0	116	122	5.0	61	63	3.2	70 - 130	30
Carbon Disulfide	ND	1.0	96	96	0.0	105	99	5.9	70 - 130	30
Carbon tetrachloride	ND	1.0	111	107	3.7	112	105	6.5	70 - 130	30
Chlorobenzene	ND	1.0	97	98	1.0	99	92	7.3	70 - 130	30
Chloroethane	ND	1.0	91	93	2.2	92	83	10.3	70 - 130	30
Chloroform	ND	1.0	91	92	1.1	92	81	12.7	70 - 130	30
Chloromethane	ND	1.0	96	97	1.0	76	73	4.0	70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	97	96	1.0	96	91	5.3	70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	101	103	2.0	93	89	4.4	70 - 130	30
Cyclohexane	ND	5.0	91	91	0.0	95	92	3.2	70 - 130	30
Dibromochloromethane	ND	0.50	105	106	0.9	103	94	9.1	70 - 130	30
Dichlorodifluoromethane	ND	1.0	87	89	2.3	71	68	4.3	70 - 130	30
Ethylbenzene	ND	1.0	97	100	3.0	104	97	7.0	70 - 130	30
Isopropylbenzene	ND	1.0	95	97	2.1	104	100	3.9	70 - 130	30
m&p-Xylene	ND	1.0	95	99	4.1	101	94	7.2	70 - 130	30
Methyl ethyl ketone	ND	5.0	92	93	1.1	90	83	8.1	70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	103	102	1.0	92	89	3.3	70 - 130	30
Methylacetate	ND	2.5	89	95	6.5	87	78	10.9	70 - 130	30
Methylcyclohexane	ND	1.0	108	108	0.0	129	115	11.5	70 - 130	30
Methylene chloride	ND	1.0	96	97	1.0	89	85	4.6	70 - 130	30
o-Xylene	ND	1.0	99	101	2.0	104	97	7.0	70 - 130	30
Styrene	ND	1.0	98	101	3.0	100	93	7.3	70 - 130	30
tert-butyl alcohol	ND	10	100	95	5.1	88	85	3.5	70 - 130	30
Tetrachloroethene	ND	1.0	93	94	1.1	100	95	5.1	70 - 130	30
Toluene	ND	1.0	101	102	1.0	105	97	7.9	70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	97	97	0.0	98	94	4.2	70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	101	103	2.0	90	86	4.5	70 - 130	30
Trichloroethene	ND	1.0	94	95	1.1	91	89	2.2	70 - 130	30
Trichlorofluoromethane	ND	1.0	97	98	1.0	101	93	8.2	70 - 130	30
Trichlorotrifluoroethane	ND	1.0	106	106	0.0	116	111	4.4	70 - 130	30
Vinyl chloride	ND	1.0	104	104	0.0	90	85	5.7	70 - 130	30
% 1,2-dichlorobenzene-d4	95	%	100	101	1.0	101	101	0.0	70 - 130	30
% Bromofluorobenzene	96	%	100	102	2.0	103	100	3.0	70 - 130	30
% Dibromofluoromethane	102	%	100	102	2.0	96	98	2.1	70 - 130	30
% Toluene-d8	91	%	103	101	2.0	102	100	2.0	70 - 130	30

QA/QC Batch 522314 (ug/L), QC Sample No: CF48111 (CF48108, CF48110, CF48111)

Volatiles - Ground Water

1,1,1,2-Tetrachloroethane	ND	1.0	95	95	0.0				70 - 130	30
1,1,1-Trichloroethane	ND	1.0	92	92	0.0				70 - 130	30
1,1,2,2-Tetrachloroethane	ND	0.50	104	106	1.9				70 - 130	30
1,1,2-Trichloroethane	ND	1.0	97	97	0.0				70 - 130	30
1,1-Dichloroethane	ND	1.0	99	99	0.0				70 - 130	30
1,1-Dichloroethene	ND	1.0	96	99	3.1				70 - 130	30
1,2,3-Trichlorobenzene	ND	1.0	90	90	0.0				70 - 130	30
1,2,4-Trichlorobenzene	ND	1.0	96	98	2.1				70 - 130	30
1,2-Dibromo-3-chloropropane	ND	1.0	88	91	3.4				70 - 130	30

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
1,2-Dibromoethane	ND	1.0	94	98	4.2				70 - 130	30
1,2-Dichlorobenzene	ND	1.0	99	99	0.0				70 - 130	30
1,2-Dichloroethane	ND	1.0	91	94	3.2				70 - 130	30
1,2-Dichloropropane	ND	1.0	101	103	2.0				70 - 130	30
1,3-Dichlorobenzene	ND	1.0	99	99	0.0				70 - 130	30
1,4-Dichlorobenzene	ND	1.0	97	98	1.0				70 - 130	30
1,4-dioxane	ND	100	100	96	4.1				70 - 130	30
2-Hexanone	ND	5.0	89	93	4.4				70 - 130	30
4-Methyl-2-pentanone	ND	5.0	95	96	1.0				70 - 130	30
Acetone	ND	5.0	88	93	5.5				70 - 130	30
Acrolein	ND	5.0	95	95	0.0				70 - 130	30
Acrylonitrile	ND	5.0	93	94	1.1				70 - 130	30
Benzene	ND	0.70	99	100	1.0				70 - 130	30
Bromochloromethane	ND	1.0	93	94	1.1				70 - 130	30
Bromodichloromethane	ND	0.50	97	96	1.0				70 - 130	30
Bromoform	ND	1.0	82	84	2.4				70 - 130	30
Bromomethane	ND	1.0	108	107	0.9				70 - 130	30
Carbon Disulfide	ND	1.0	81	82	1.2				70 - 130	30
Carbon tetrachloride	ND	1.0	93	93	0.0				70 - 130	30
Chlorobenzene	ND	1.0	99	99	0.0				70 - 130	30
Chloroethane	ND	1.0	94	90	4.3				70 - 130	30
Chloroform	ND	1.0	96	103	7.0				70 - 130	30
Chloromethane	ND	1.0	97	96	1.0				70 - 130	30
cis-1,2-Dichloroethene	ND	1.0	100	100	0.0				70 - 130	30
cis-1,3-Dichloropropene	ND	0.40	97	97	0.0				70 - 130	30
Cyclohexane	ND	5.0	83	83	0.0				70 - 130	30
Dibromochloromethane	ND	0.50	96	100	4.1				70 - 130	30
Dichlorodifluoromethane	ND	1.0	78	78	0.0				70 - 130	30
Ethylbenzene	ND	1.0	102	103	1.0				70 - 130	30
Isopropylbenzene	ND	1.0	104	104	0.0				70 - 130	30
m&p-Xylene	ND	1.0	98	100	2.0				70 - 130	30
Methyl ethyl ketone	ND	5.0	99	109	9.6				70 - 130	30
Methyl t-butyl ether (MTBE)	ND	1.0	89	89	0.0				70 - 130	30
Methylacetate	ND	2.5	97	105	7.9				70 - 130	30
Methylcyclohexane	ND	1.0	90	90	0.0				70 - 130	30
Methylene chloride	ND	1.0	88	89	1.1				70 - 130	30
o-Xylene	ND	1.0	102	104	1.9				70 - 130	30
Styrene	ND	1.0	101	103	2.0				70 - 130	30
tert-butyl alcohol	ND	10	87	81	7.1				70 - 130	30
Tetrachloroethene	ND	1.0	92	91	1.1				70 - 130	30
Toluene	ND	1.0	102	102	0.0				70 - 130	30
trans-1,2-Dichloroethene	ND	1.0	96	96	0.0				70 - 130	30
trans-1,3-Dichloropropene	ND	0.40	93	93	0.0				70 - 130	30
Trichloroethene	ND	1.0	94	94	0.0				70 - 130	30
Trichlorofluoromethane	ND	1.0	90	91	1.1				70 - 130	30
Trichlorotrifluoroethane	ND	1.0	88	89	1.1				70 - 130	30
Vinyl chloride	ND	1.0	100	101	1.0				70 - 130	30
% 1,2-dichlorobenzene-d4	93	%	100	100	0.0				70 - 130	30
% Bromofluorobenzene	92	%	96	98	2.1				70 - 130	30
% Dibromofluoromethane	100	%	94	98	4.2				70 - 130	30
% Toluene-d8	91	%	100	101	1.0				70 - 130	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Data

SDG I.D.: GCF48107

Parameter	Blk		LCS	LCSD	LCS	MS	MSD	MS	%	%
	Blank	RL	%	%	RPD	%	%	RPD	Rec Limits	RPD Limits

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

m = This parameter is outside laboratory MS/MSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

s = This parameter is outside laboratory Blank Surrogate specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

March 31, 2020

Tuesday, March 31, 2020

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCF48107 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF48107	\$DP8260_TCL	Total Xylenes	NY / TAGM - Volatile Organics / Groundwater Standards	98.0	5.0	5	5	ug/L
CF48107	\$DP8260_TCL	Total Xylenes	NY / TOGS - Water Quality / GA Criteria	98.0	5.0	5	5	ug/L
CF48107	\$DP8260_TCL	o-Xylene	NY / TAGM - Volatile Organics / Groundwater Standards	29	5.0	5	5	ug/L
CF48107	\$DP8260_TCL	Benzene	NY / TAGM - Volatile Organics / Groundwater Standards	ND	1.3	0.7	0.7	ug/L
CF48107	\$DP8260_TCL	Chloroform	NY / TAGM - Volatile Organics / Groundwater Standards	7.9	7.0	7	7	ug/L
CF48107	\$DP8260_TCL	Toluene	NY / TAGM - Volatile Organics / Groundwater Standards	22	10	5	5	ug/L
CF48107	\$DP8260_TCL	Ethylbenzene	NY / TAGM - Volatile Organics / Groundwater Standards	18	5.0	5	5	ug/L
CF48107	\$DP8260_TCL	trans-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CF48107	\$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.0006	0.0006	ug/L
CF48107	\$DP8260_TCL	1,1,2-Trichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CF48107	\$DP8260_TCL	Toluene	NY / TOGS - Water Quality / GA Criteria	22	10	5	5	ug/L
CF48107	\$DP8260_TCL	Ethylbenzene	NY / TOGS - Water Quality / GA Criteria	18	5.0	5	5	ug/L
CF48107	\$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	2.5	0.04	0.04	ug/L
CF48107	\$DP8260_TCL	cis-1,3-Dichloropropene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.4	0.4	ug/L
CF48107	\$DP8260_TCL	Chloroform	NY / TOGS - Water Quality / GA Criteria	7.9	7.0	7	7	ug/L
CF48107	\$DP8260_TCL	Benzene	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CF48107	\$DP8260_TCL	1,2-Dichloropropane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	1	1	ug/L
CF48107	\$DP8260_TCL	1,2-Dichloroethane	NY / TOGS - Water Quality / GA Criteria	ND	1.3	0.6	0.6	ug/L
CF48107	\$DP8260_TCL	o-Xylene	NY / TOGS - Water Quality / GA Criteria	29	5.0	5	5	ug/L
CF48107	\$DPPEST_GA	Heptachlor	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CF48107	\$DPPEST_GA	Heptachlor epoxide	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CF48107	\$DPPEST_GA	Endrin	NY / TAGM - Pest/Herb/PCBs / Groundwater Standards	ND	0.025	0.01	0.01	ug/L
CF48107	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	1.0	0.06	0.06	ug/L
CF48107	\$DPPEST_GA	Dieldrin	NY / TOGS - Water Quality / GA Criteria	ND	0.010	0.004	0.004	ug/L
CF48107	\$DPPEST_GA	Chlordane	NY / TOGS - Water Quality / GA Criteria	ND	0.10	0.05	0.05	ug/L
CF48107	\$DPWM_TCLR	2,4,5-Trichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	Phenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4-Dichlorophenol	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	Bis(2-ethylhexyl)phthalate	NY / TAGM - Semi-Volatiles / Groundwater Standards	100	2.0	50	50	ug/L
CF48107	\$DPWM_TCLR	2-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	Phenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	Bis(2-ethylhexyl)phthalate	NY / TOGS - Water Quality / GA Criteria	100	2.0	5	5	ug/L
CF48107	\$DPWM_TCLR	4-Nitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	2.0	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4,6-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2-Methylphenol (o-cresol)	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4,5-Trichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4-Dichlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4-Dimethylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2,4-Dinitrophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	4-Chloro-3-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWM_TCLR	2-Chlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L

Tuesday, March 31, 2020

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCF48107 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF48107	\$DPWM_TCLR	2,3,4,6-tetrachlorophenol	NY / TOGS - Water Quality / GA Criteria	ND	1.8	1	1	ug/L
CF48107	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.13	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.08	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.13	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.08	0.04	0.002	0.002	ug/L
CF48107	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.04	0.002	0.002	ug/L
CF48107	\$NJADD-WM	Acrolein	NY / TOGS - Water Quality / GA Criteria	ND	13	5	5	ug/L
CF48107	AG-WMDP	Silver	NY / TOGS - Water Quality / GA Criteria	0.069	0.005	0.05	0.05	mg/L
CF48107	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	696	2.0	0.1	0.1	mg/L
CF48107	AS-WMDP	Arsenic - LDL	NY / TOGS - Water Quality / GA Criteria	0.223	0.040	0.025	0.025	mg/L
CF48107	BA-WMDP	Barium	NY / TOGS - Water Quality / GA Criteria	6.69	0.10	1	1	mg/L
CF48107	BE-WM	Beryllium	NY / TOGS - Water Quality / GA Criteria	0.033	0.010	0.003	0.003	mg/L
CF48107	CD-WMDP	Cadmium	NY / TOGS - Water Quality / GA Criteria	0.030	0.040	0.005	0.005	mg/L
CF48107	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	3.31	0.010	0.05	0.05	mg/L
CF48107	CU-WMDP	Copper	NY / TOGS - Water Quality / GA Criteria	2.74	0.050	0.2	0.2	mg/L
CF48107	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	1.11	0.005	0.3	0.3	mg/L
CF48107	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	58.4	1.1	20	20	mg/L
CF48107	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	1470	1.0	0.3	0.3	mg/L
CF48107	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	706	0.10	35	35	mg/L
CF48107	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	45.2	0.50	0.3	0.3	mg/L
CF48107	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	104	1.0	20	20	mg/L
CF48107	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	5.82	0.040	0.1	0.1	mg/L
CF48107	PB-WM	Lead	NY / TOGS - Water Quality / GA Criteria	0.836	0.020	0.025	0.025	mg/L
CF48107	TL-WM-MS	Thallium	NY / TOGS - Water Quality / GA Criteria	0.0083	0.0005	0.0005	0.0005	mg/L
CF48108	\$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF48108	\$DP8260_TCL	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	9.0	1.0	5	5	ug/L
CF48108	\$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF48108	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.20	0.06	0.06	ug/L
CF48108	\$DPWM_TCLR	Bis(2-ethylhexyl)phthalate	NY / TOGS - Water Quality / GA Criteria	7.0	1.0	5	5	ug/L
CF48108	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.03	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.04	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.05	0.02	0.002	0.002	ug/L

Tuesday, March 31, 2020

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCF48107 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF48108	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.05	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.04	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
CF48108	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.03	0.02	0.002	0.002	ug/L
CF48108	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	7.16	0.020	0.1	0.1	mg/L
CF48108	DFE-WMDP	Iron, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	0.39	0.01	0.3	0.3	mg/L
CF48108	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.53	0.053	0.3	0.3	mg/L
CF48108	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	113	1.1	20	20	mg/L
CF48108	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	15.1	0.01	0.3	0.3	mg/L
CF48108	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	38.6	0.010	35	35	mg/L
CF48108	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.75	0.050	0.3	0.3	mg/L
CF48108	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	113	1.0	20	20	mg/L
CF48109	\$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF48109	\$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF48109	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.21	0.06	0.06	ug/L
CF48109	\$DPWM_TCLR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L
CF48109	\$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.13	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.14	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.06	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.10	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.10	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	0.10	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	0.13	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.10	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	0.10	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	0.14	0.02	0.002	0.002	ug/L
CF48109	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	0.06	0.02	0.002	0.002	ug/L
CF48109	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	6.16	0.020	0.1	0.1	mg/L
CF48109	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.71	0.053	0.3	0.3	mg/L
CF48109	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	86.6	1.1	20	20	mg/L
CF48109	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	10.7	0.01	0.3	0.3	mg/L
CF48109	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	36.5	0.010	35	35	mg/L
CF48109	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	2.95	0.050	0.3	0.3	mg/L
CF48109	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	88.5	1.0	20	20	mg/L
CF48110	\$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF48110	\$DP8260_TCL	Isopropylbenzene	NY / TOGS - Water Quality / GA Criteria	9.6	1.0	5	5	ug/L
CF48110	\$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L
CF48110	\$DPPEST_GA	Toxaphene	NY / TOGS - Water Quality / GA Criteria	ND	0.22	0.06	0.06	ug/L
CF48110	\$DPWM_TCLR	4,6-Dinitro-2-methylphenol	NY / TOGS - Water Quality / GA Criteria	ND	1.1	1	1	ug/L

Tuesday, March 31, 2020

Criteria: NY: 375, 375RRS, 375RS, GW

State: NY

Sample Criteria Exceedances Report

GCF48107 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
CF48110	\$DPWM_TCLR	Bis(2-ethylhexyl)phthalate	NY / TOGS - Water Quality / GA Criteria	13	1.1	5	5	ug/L
CF48110	\$DPWMSIM_T	Benzo(a)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Chrysene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benz(a)anthracene	NY / TAGM - Semi-Volatiles / Groundwater Standards	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benzo(k)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Chrysene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benz(a)anthracene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Indeno(1,2,3-cd)pyrene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CF48110	\$DPWMSIM_T	Benzo(b)fluoranthene	NY / TOGS - Water Quality / GA Criteria	ND	0.02	0.002	0.002	ug/L
CF48110	AL-WM	Aluminum	NY / TOGS - Water Quality / GA Criteria	18.2	0.020	0.1	0.1	mg/L
CF48110	CR-WM	Chromium	NY / TOGS - Water Quality / GA Criteria	0.079	0.001	0.05	0.05	mg/L
CF48110	DMN-WMDP	Manganese, (Dissolved)	NY / TOGS - Water Quality / GA Criteria	2.51	0.053	0.3	0.3	mg/L
CF48110	D-NA	Sodium (Dissolved)	NY / TOGS - Water Quality / GA Criteria	120	1.1	20	20	mg/L
CF48110	FE-WMDP	Iron	NY / TOGS - Water Quality / GA Criteria	33.0	0.01	0.3	0.3	mg/L
CF48110	MG-WM	Magnesium	NY / TOGS - Water Quality / GA Criteria	46.8	0.010	35	35	mg/L
CF48110	MN-WMDP	Manganese	NY / TOGS - Water Quality / GA Criteria	3.24	0.050	0.3	0.3	mg/L
CF48110	NA-WM	Sodium	NY / TOGS - Water Quality / GA Criteria	123	1.0	20	20	mg/L
CF48110	NI-WMDP	Nickel	NY / TOGS - Water Quality / GA Criteria	0.108	0.004	0.1	0.1	mg/L
CF48111	\$DP8260_TCL	1,2-Dibromoethane	NY / TOGS - Water Quality / GA Criteria	ND	0.25	0.0006	0.0006	ug/L
CF48111	\$DP8260_TCL	1,2-Dibromo-3-chloropropane	NY / TOGS - Water Quality / GA Criteria	ND	0.50	0.04	0.04	ug/L

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



NY Temperature Narration

March 31, 2020

SDG I.D.: GCF48107

The samples in this delivery group were received at 3.1°C.
(Note acceptance criteria for relevant matrices is above freezing up to 6°C)

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
 Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Customer: Environmental Business Consultants
Address: 1808 Middle Country Road
Ridge, NY 11961

Project: 1015 Atlantic Ave, Brooklyn
Report to: Environmental Business Consultants
Invoice to: Environmental Business Consultants

Project P.O.:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

3/11/2020
Date: _____

Sampler's
Signature

Matrix Code:
 DW=Drinking Water GW=Ground Water SW=Surface Water WW=Waste Water
 RW=Raw Water SE=Sediment SL=Sludge S=Soil SD=Solid W=Wipe
 OIL=Oil B=Bulk L=Liquid

PHOENIX USE ONLY	CUSTOMER USE ONLY	SAMPLE #	CUSTOMER SAMPLE IDENTIFICATION	SAMPLE MATRIX	DATE SAMPLED	TIME SAMPLED
		48107	MW1	GW	3.10.20	10:45
		48108	MW2	L	L	10:33
		48109	MW3		L	10:55
		48110	MW Duplicate		L	—
		48111	TRIP BLANKS	L	—	—

Analysis Request

Relinquished by:

Accepted by:

Time:

Turnaround:

2

人

Data Format

Comments, Special Requirements or Regulations:

Please run ms/msd on mw3

Page 72 of 72

State where samples were collected:

2

Data Package

☐ NJ Reduced Deliv. *



ANALYTICAL REPORT

Lab Number:	L2010918
Client:	Environmental Business Consultants Inc 1808 Middle Country Road Ridge, NY 11961
ATTN:	Keith Butler
Phone:	(631) 504-6000
Project Name:	Not Specified
Project Number:	Not Specified
Report Date:	03/20/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA030), NH NELAP (2062), CT (PH-0141), DoD (L2474), FL (E87814), IL (200081), LA (85084), ME (MA00030), MD (350), NJ (MA015), NY (11627), NC (685), OH (CL106), PA (68-02089), RI (LAO00299), TX (T104704419), VT (VT-0015), VA (460194), WA (C954), US Army Corps of Engineers, USDA (Permit #P330-17-00150), USFWS (Permit #206964).

320 Forbes Boulevard, Mansfield, MA 02048-1806
508-822-9300 (Fax) 508-822-3288 800-624-9220 - www.alphalab.com



Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2010918
Report Date: 03/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2010918-01	MW1	WATER	1015 ATLANTIC AVE, BROOKLYN	03/10/20 13:45	03/11/20
L2010918-02	MW2	WATER	1015 ATLANTIC AVE, BROOKLYN	03/10/20 10:33	03/11/20
L2010918-03	MW3	WATER	1015 ATLANTIC AVE, BROOKLYN	03/10/20 11:40	03/11/20
L2010918-04	MW DUPLICATE	WATER	1015 ATLANTIC AVE, BROOKLYN	03/10/20 00:00	03/11/20
L2010918-05	EQUIPMENT BLANK	WATER	1015 ATLANTIC AVE, BROOKLYN	03/10/20 00:00	03/11/20

Project Name: Not Specified**Lab Number:** L2010918**Project Number:** Not Specified**Report Date:** 03/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: Not Specified**Lab Number:** L2010918**Project Number:** Not Specified**Report Date:** 03/20/20**Case Narrative (continued)**

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Perfluorinated Alkyl Acids by Isotope Dilution

L2010918-01, -02, -03, and -04: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

L2010918-01: The sample has elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L2010918-05: The sample has elevated detection limits due to limited sample volume available for analysis.

WG1351233-5, WG1351365-2, WG1351365-3, WG1351365-4, and WG1351365-5: Extracted Internal Standard recoveries were outside the acceptance criteria for individual analytes. Please refer to the surrogate section of the report for details.

WG1351894-2: The continuing calibration standard had the response for Perfluorooctanesulfonic Acid-Branched (br-PFOS) outside of acceptance criteria. The response for Perfluorooctanesulfonic Acid (PFOS) was within acceptance criteria; therefore, no further action was taken.

WG1351894-3: The continuing calibration standard had the response for Perfluorohexanesulfonic Acid-Branched (br-PFHxS) outside of acceptance criteria. The response for Perfluorohexanesulfonic Acid (PFHxS) was within acceptance criteria; therefore, no further action was taken.

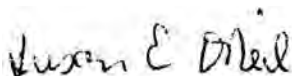
WG1351894-4: The continuing calibration standard had the response for Perfluorooctanesulfonic Acid-Branched (br-PFOS) outside of acceptance criteria. The response for Perfluorooctanesulfonic Acid (PFOS) was within acceptance criteria; therefore, no further action was taken.

WG1351894-4: The continuing calibration standard had the response for 8:2FTS outside the acceptance criteria for the method. The associated target analytes were within acceptance criteria; therefore, no further action was taken.

WG1351406-3: The continuing calibration standard had the response for PFDS outside the acceptance criteria for the method. This value represents less than 10% of all compounds; therefore, the calibration was accepted.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Susan O'Neil

Title: Technical Director/Representative

Date: 03/20/20

ORGANICS

SEMIVOLATILES

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-01
 Client ID: MW1
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 13:45
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/20 18:46
 Analyst: JW

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/20 10:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	4.60		ng/l	3.03	0.618	1
Perfluoropentanoic Acid (PFPeA)	10.4		ng/l	3.03	0.600	1
Perfluorobutanesulfonic Acid (PFBS)	2.38	J	ng/l	3.03	0.361	1
Perfluorohexanoic Acid (PFHxA)	7.34		ng/l	3.03	0.497	1
Perfluoroheptanoic Acid (PFHpA)	2.53	J	ng/l	3.03	0.341	1
Perfluorohexanesulfonic Acid (PFHxS)	0.618	J	ng/l	3.03	0.570	1
Perfluorooctanoic Acid (PFOA)	3.80		ng/l	3.03	0.358	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	3.03	2.02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.03	1.04	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	3.03	0.473	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	3.03	0.764	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	3.03	0.461	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	3.03	1.84	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.03	0.982	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.03	0.394	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.03	1.48	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	3.03	0.879	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.03	1.22	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.03	0.564	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	3.03	0.496	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	3.03	0.376	1
PFOA/PFOS, Total	3.80		ng/l	3.03	0.358	1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-01

Date Collected: 03/10/20 13:45

Client ID: MW1

Date Received: 03/11/20

Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	89		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	123		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	82		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	131		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	83		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	233		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	70		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	70		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	47		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	130		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	40		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	39	Q	40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	12		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	28		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	21	Q	33-143

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-02
 Client ID: MW2
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 10:33
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/16/20 15:06
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 03/15/20 15:00

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	9.02		ng/l	2.13	0.434	1
Perfluoropentanoic Acid (PFPeA)	19.2		ng/l	2.13	0.421	1
Perfluorobutanesulfonic Acid (PFBS)	4.91		ng/l	2.13	0.253	1
Perfluorohexanoic Acid (PFHxA)	14.4		ng/l	2.13	0.349	1
Perfluoroheptanoic Acid (PFHpA)	9.42		ng/l	2.13	0.240	1
Perfluorohexanesulfonic Acid (PFHxS)	6.53		ng/l	2.13	0.400	1
Perfluorooctanoic Acid (PFOA)	45.6		ng/l	2.13	0.251	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.45		ng/l	2.13	1.42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.13	0.732	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.13	0.332	1
Perfluorooctanesulfonic Acid (PFOS)	1.62	J	ng/l	2.13	0.536	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.13	0.323	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.13	1.29	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.13	0.689	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.13	0.276	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.13	1.04	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.13	0.617	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.13	0.855	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.13	0.396	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.13	0.348	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.13	0.264	1
PFOA/PFOS, Total	47.2	J	ng/l	2.13	0.251	1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-02

Date Collected: 03/10/20 10:33

Client ID: MW2

Date Received: 03/11/20

Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Surrogate (Extracted Internal Standard)	% Recovery		Qualifier	Acceptance Criteria		
Perfluoro[13C4]Butanoic Acid (MPFBA)	90			2-156		
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87			16-173		
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92			31-159		
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74			21-145		
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86			30-139		
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106			47-153		
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97			36-149		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	251		Q	1-244		
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115			34-146		
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98			42-146		
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82			38-144		
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	182		Q	7-170		
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100			1-181		
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85			40-144		
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36			1-87		
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84			23-146		
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69			24-161		
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62			33-143		

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-03
 Client ID: MW3
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 11:40
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/20 19:03
 Analyst: JW

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/20 10:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	7.79		ng/l	2.12	0.432	1
Perfluoropentanoic Acid (PFPeA)	18.3		ng/l	2.12	0.419	1
Perfluorobutanesulfonic Acid (PFBS)	5.33		ng/l	2.12	0.252	1
Perfluorohexanoic Acid (PFHxA)	13.4		ng/l	2.12	0.347	1
Perfluoroheptanoic Acid (PFHpA)	9.52		ng/l	2.12	0.238	1
Perfluorohexanesulfonic Acid (PFHxS)	5.30		ng/l	2.12	0.398	1
Perfluorooctanoic Acid (PFOA)	38.6		ng/l	2.12	0.250	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.26		ng/l	2.12	1.41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.12	0.729	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.12	0.330	1
Perfluorooctanesulfonic Acid (PFOS)	1.15	J	ng/l	2.12	0.534	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.12	0.322	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.12	1.28	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.12	0.686	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.12	0.275	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.12	1.04	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.12	0.614	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.12	0.852	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.12	0.394	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.12	0.347	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.12	0.263	1
PFOA/PFOS, Total	39.8	J	ng/l	2.12	0.250	1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-03

Date Collected: 03/10/20 11:40

Client ID: MW3

Date Received: 03/11/20

Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	105		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	103		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	106		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	93		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	99		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	116		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	302	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	109		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	239	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	132		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	109		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	33		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-04
 Client ID: MW DUPLICATE
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 00:00
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/20 19:19
 Analyst: JW

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/20 10:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	8.22		ng/l	2.39	0.488	1
Perfluoropentanoic Acid (PFPeA)	18.4		ng/l	2.39	0.474	1
Perfluorobutanesulfonic Acid (PFBS)	4.79		ng/l	2.39	0.285	1
Perfluorohexanoic Acid (PFHxA)	13.1		ng/l	2.39	0.392	1
Perfluoroheptanoic Acid (PFHpA)	9.71		ng/l	2.39	0.269	1
Perfluorohexanesulfonic Acid (PFHxS)	6.75		ng/l	2.39	0.450	1
Perfluorooctanoic Acid (PFOA)	45.2		ng/l	2.39	0.282	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.76		ng/l	2.39	1.59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.39	0.823	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.39	0.373	1
Perfluorooctanesulfonic Acid (PFOS)	1.22	J	ng/l	2.39	0.603	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.39	0.364	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.39	1.45	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.39	0.775	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.39	0.311	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.39	1.17	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.39	0.694	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.39	0.962	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.39	0.445	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.39	0.391	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.39	0.297	1
PFOA/PFOS, Total	46.4	J	ng/l	2.39	0.282	1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-04
 Client ID: MW DUPLICATE
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 00:00
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	106		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	112		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	105		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	94		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	100		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	114		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	107		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	250	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	117		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	99		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	190	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	109		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	106		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	102		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	85		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	81		33-143

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-05
 Client ID: EQUIPMENT BLANK
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 00:00
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/20 16:17
 Analyst: JW

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/20 10:33

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ng/l	3.36	0.684	1
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	3.36	0.664	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	3.36	0.399	1
Perfluorohexanoic Acid (PFHxA)	0.678	J	ng/l	3.36	0.550	1
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	3.36	0.378	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	3.36	0.631	1
Perfluorooctanoic Acid (PFOA)	ND		ng/l	3.36	0.396	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	3.36	2.23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	3.36	1.15	1
Perfluorononanoic Acid (PFNA)	ND		ng/l	3.36	0.523	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	3.36	0.846	1
Perfluorodecanoic Acid (PFDA)	ND		ng/l	3.36	0.510	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	3.36	2.03	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	3.36	1.09	1
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	3.36	0.436	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	3.36	1.64	1
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	3.36	0.973	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	3.36	1.35	1
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	3.36	0.624	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	3.36	0.549	1
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	3.36	0.416	1
PFOA/PFOS, Total	ND		ng/l	3.36	0.396	1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2010918-05
 Client ID: EQUIPMENT BLANK
 Sample Location: 1015 ATLANTIC AVE, BROOKLYN

Date Collected: 03/10/20 00:00
 Date Received: 03/11/20
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	102		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	118		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	110		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	104		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	102		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	150		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	108		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	155		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	105		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	114		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	57		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	94		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	103		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	96		33-143

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2010918

Report Date: 03/20/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Analytical Date: 03/16/20 11:16

Analyst: RS

Extraction Method: ALPHA 23528

Extraction Date: 03/15/20 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1351233-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.412	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2010918
Report Date: 03/20/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/16/20 11:16
 Analyst: RS

Extraction Method: ALPHA 23528
 Extraction Date: 03/15/20 15:00

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 02 Batch: WG1351233-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	101		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	106		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	96		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	101		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	100		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	131		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	101		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	150		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	136		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	58		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	91		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	95		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	86		33-143

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID

Extraction Method: ALPHA 23528

Analytical Date: 03/17/20 13:48

Extraction Date: 03/16/20 10:33

Analyst: JW

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-05 Batch: WG1351365-1					
Perfluorobutanoic Acid (PFBA)	ND		ng/l	2.00	0.408
Perfluoropentanoic Acid (PFPeA)	ND		ng/l	2.00	0.396
Perfluorobutanesulfonic Acid (PFBS)	ND		ng/l	2.00	0.238
Perfluorohexanoic Acid (PFHxA)	0.336	J	ng/l	2.00	0.328
Perfluoroheptanoic Acid (PFHpA)	ND		ng/l	2.00	0.225
Perfluorohexanesulfonic Acid (PFHxS)	ND		ng/l	2.00	0.376
Perfluorooctanoic Acid (PFOA)	ND		ng/l	2.00	0.236
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ng/l	2.00	1.33
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ng/l	2.00	0.688
Perfluorononanoic Acid (PFNA)	ND		ng/l	2.00	0.312
Perfluorooctanesulfonic Acid (PFOS)	ND		ng/l	2.00	0.504
Perfluorodecanoic Acid (PFDA)	ND		ng/l	2.00	0.304
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ng/l	2.00	1.21
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ng/l	2.00	0.648
Perfluoroundecanoic Acid (PFUnA)	ND		ng/l	2.00	0.260
Perfluorodecanesulfonic Acid (PFDS)	ND		ng/l	2.00	0.980
Perfluorooctanesulfonamide (FOSA)	ND		ng/l	2.00	0.580
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ng/l	2.00	0.804
Perfluorododecanoic Acid (PFDoA)	ND		ng/l	2.00	0.372
Perfluorotridecanoic Acid (PFTrDA)	ND		ng/l	2.00	0.327
Perfluorotetradecanoic Acid (PFTA)	ND		ng/l	2.00	0.248
PFOA/PFOS, Total	ND		ng/l	2.00	0.236

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
 Analytical Date: 03/17/20 13:48
 Analyst: JW

Extraction Method: ALPHA 23528
 Extraction Date: 03/16/20 10:33

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01,03-05 Batch: WG1351365-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	110		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	124		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	112		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	109		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	111		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	117		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	143		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	116		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	117		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	114		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	160		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	115		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	124		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	60		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	104		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	110		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	101		33-143

Lab Control Sample Analysis

Batch Quality Control

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1351233-2 WG1351233-3								
Perfluorobutanoic Acid (PFBA)	124		122		67-148	2		30
Perfluoropentanoic Acid (PFPeA)	131		128		63-161	2		30
Perfluorobutanesulfonic Acid (PFBS)	123		120		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	123		122		69-168	1		30
Perfluoroheptanoic Acid (PFHpA)	120		116		58-159	3		30
Perfluorohexanesulfonic Acid (PFHxS)	127		116		69-177	9		30
Perfluorooctanoic Acid (PFOA)	123		119		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	134		120		49-187	11		30
Perfluoroheptanesulfonic Acid (PFHpS)	120		128		61-179	6		30
Perfluorononanoic Acid (PFNA)	123		123		68-171	0		30
Perfluorooctanesulfonic Acid (PFOS)	122		121		52-151	1		30
Perfluorodecanoic Acid (PFDA)	123		117		63-171	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	143		129		56-173	10		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	122		138		60-166	12		30
Perfluoroundecanoic Acid (PFUnA)	114		113		60-153	1		30
Perfluorodecanesulfonic Acid (PFDS)	137		146		38-156	6		30
Perfluorooctanesulfonamide (FOSA)	121		122		46-170	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	122		118		45-170	3		30
Perfluorododecanoic Acid (PFDoA)	124		133		67-153	7		30
Perfluorotridecanoic Acid (PFTrDA)	125		128		48-158	2		30
Perfluorotetradecanoic Acid (PFTA)	127		128		59-182	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 Batch: WG1351233-2 WG1351233-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	98		100		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	107		110		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	90		92		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	90		89		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	98		97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	95		106		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	101		102		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	124		141		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	103		106		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	104		102		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		102		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	103		118		7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	117		99		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	110		107		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	65		60		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	101		94		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	102		97		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	89		88		33-143

Lab Control Sample Analysis Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2010918

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1351365-2 WG1351365-3								
Perfluorobutanoic Acid (PFBA)	115		115		67-148	0		30
Perfluoropentanoic Acid (PFPeA)	120		119		63-161	1		30
Perfluorobutanesulfonic Acid (PFBS)	106		104		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	115		113		69-168	2		30
Perfluoroheptanoic Acid (PFHpA)	116		114		58-159	2		30
Perfluorohexanesulfonic Acid (PFHxS)	114		110		69-177	4		30
Perfluorooctanoic Acid (PFOA)	115		119		63-159	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	135		124		49-187	8		30
Perfluoroheptanesulfonic Acid (PFHpS)	118		115		61-179	3		30
Perfluorononanoic Acid (PFNA)	113		114		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	110		108		52-151	2		30
Perfluorodecanoic Acid (PFDA)	118		115		63-171	3		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	119		126		56-173	6		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	119		122		60-166	2		30
Perfluoroundecanoic Acid (PFUnA)	116		114		60-153	2		30
Perfluorodecanesulfonic Acid (PFDS)	120		110		38-156	9		30
Perfluorooctanesulfonamide (FOSA)	107		104		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	115		121		45-170	5		30
Perfluorododecanoic Acid (PFDoA)	117		117		67-153	0		30
Perfluorotridecanoic Acid (PFTrDA)	130		125		48-158	4		30
Perfluorotetradecanoic Acid (PFTA)	126		123		59-182	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-05 Batch: WG1351365-2 WG1351365-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	109		108		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	123		123		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	109		111		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	106		107		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	109		114		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		113		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	112		109		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	162		168		1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	114		117		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	111		117		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	106		108		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	176	Q	179	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	116		113		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	117		118		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	62		63		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	99		104		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	105		109		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	90		94		33-143

Matrix Spike Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2010918

Report Date: 03/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1351365-4 WG1351365-5 QC Sample: L2010918-03 Client ID: MW3												
Perfluorobutanoic Acid (PFBA)	7.79	43.1	56.0	112		59.5	113		67-148	6		30
Perfluoropentanoic Acid (PFPeA)	18.3	43.1	66.6	112		70.1	113		63-161	5		30
Perfluorobutanesulfonic Acid (PFBS)	5.33	38.2	44.5	103		45.2	99		65-157	2		30
Perfluorohexanoic Acid (PFHxA)	13.4	43.1	61.2	111		64.1	111		69-168	5		30
Perfluoroheptanoic Acid (PFHpA)	9.52	43.1	58.6	114		61.8	114		58-159	5		30
Perfluorohexanesulfonic Acid (PFHxS)	5.30	39.3	48.6	110		52.1	112		69-177	7		30
Perfluorooctanoic Acid (PFOA)	38.6	43.1	90.5	120		90.3	113		63-159	0		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	6.26	40.9	61.8	136		62.8	130		49-187	2		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	40.9	47.7	116		51.3	118		61-179	7		30
Perfluorononanoic Acid (PFNA)	ND	43.1	49.4	115		50.0	110		68-171	1		30
Perfluorooctanesulfonic Acid (PFOS)	1.15J	39.9	46.5	117		44.7	106		52-151	4		30
Perfluorodecanoic Acid (PFDA)	ND	43.1	47.1	109		49.5	108		63-171	5		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	41.4	50.8	123		56.9	130		56-173	11		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	43.1	59.2	137		62.5	137		60-166	5		30
Perfluoroundecanoic Acid (PFUnA)	ND	43.1	46.8	109		53.6	117		60-153	14		30
Perfluorodecanesulfonic Acid (PFDS)	ND	41.6	44.8	108		39.4	89		38-156	13		30
Perfluorooctanesulfonamide (FOSA)	ND	43.1	48.8	113		47.3	104		46-170	3		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	43.1	48.6	113		48.3	106		45-170	1		30
Perfluorododecanoic Acid (PFDoA)	ND	43.1	50.3	117		52.3	115		67-153	4		30
Perfluorotridecanoic Acid (PFTrDA)	ND	43.1	55.7	129		58.4	128		48-158	5		30
Perfluorotetradecanoic Acid (PFTA)	ND	43.1	52.4	122		54.6	120		59-182	4		30

Matrix Spike Analysis**Batch Quality Control****Project Name:** Not Specified**Lab Number:** L2010918**Project Number:** Not Specified**Report Date:** 03/20/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01,03-05 QC Batch ID: WG1351365-4 WG1351365-5 QC Sample: L2010918-03 Client ID: MW3												

Surrogate (Extracted Internal Standard)	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	268	Q	260	Q	7-170
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	304	Q	315	Q	1-244
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	96		100		23-146
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	122		129		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	111		108		40-144
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		105		38-144
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	86		91		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	93		97		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	124		117		47-153
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	88		88		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	82		85		33-143
Perfluoro[13C4]Butanoic Acid (MPFBA)	99		103		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	99		100		16-173
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	32		33		1-87
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	119		114		42-146
Perfluoro[13C8]Octanoic Acid (M8PFOA)	99		105		36-149
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	110		115		34-146
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	113		111		31-159

Lab Duplicate Analysis Batch Quality Control

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2010918

Report Date: 03/20/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1351233-5 QC Sample: L2010918-02 Client ID: MW2						
Perfluorobutanoic Acid (PFBA)	9.02	9.18	ng/l	2		30
Perfluoropentanoic Acid (PFPeA)	19.2	19.8	ng/l	3		30
Perfluorobutanesulfonic Acid (PFBS)	4.91	5.29	ng/l	7		30
Perfluorohexanoic Acid (PFHxA)	14.4	14.6	ng/l	1		30
Perfluoroheptanoic Acid (PFHpA)	9.42	10.6	ng/l	12		30
Perfluorohexanesulfonic Acid (PFHxS)	6.53	7.13	ng/l	9		30
Perfluorooctanoic Acid (PFOA)	45.6	44.4	ng/l	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	2.45	2.48	ng/l	1		30
Perfluoroheptanesulfonic Acid (PFHpS)	ND	ND	ng/l	NC		30
Perfluorononanoic Acid (PFNA)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonic Acid (PFOS)	1.62J	1.95J	ng/l	NC		30
Perfluorodecanoic Acid (PFDA)	ND	ND	ng/l	NC		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND	ND	ng/l	NC		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND	ND	ng/l	NC		30
Perfluoroundecanoic Acid (PFUnA)	ND	ND	ng/l	NC		30
Perfluorodecanesulfonic Acid (PFDS)	ND	ND	ng/l	NC		30
Perfluorooctanesulfonamide (FOSA)	ND	ND	ng/l	NC		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND	ND	ng/l	NC		30
Perfluorododecanoic Acid (PFDoA)	ND	ND	ng/l	NC		30
Perfluorotridecanoic Acid (PFTrDA)	ND	ND	ng/l	NC		30

Lab Duplicate Analysis **Batch Quality Control**

Project Name: Not Specified

Project Number: Not Specified

Lab Number: L2010918

Report Date: 03/20/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 02 QC Batch ID: WG1351233-5 QC Sample: L2010918-02 Client ID: MW2						
Perfluorotetradecanoic Acid (PFTA)	ND	ND	ng/l	NC		30
PFOA/PFOS, Total	47.2J	46.4J	ng/l	NC		30

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	90		90		2-156
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	87		85		16-173
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	92		90		31-159
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	74		70		21-145
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	86		78		30-139
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	106		90		47-153
Perfluoro[13C8]Octanoic Acid (M8PFOA)	97		92		36-149
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	251	Q	265	Q	1-244
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	115		99		34-146
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	98		92		42-146
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	82		87		38-144
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	182	Q	184	Q	7-170
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	100		111		1-181
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	85		85		40-144
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	36		35		1-87
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	84		95		23-146
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	69		73		24-161
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	62		69		33-143

Project Name: Not Specified**Lab Number:** L2010918**Project Number:** Not Specified**Report Date:** 03/20/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2010918-01A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-02A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-02B	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A1	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A2	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A3	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A4	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-03A5	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-04A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-04B	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)
L2010918-05A	2 Plastic/1 Plastic/1 H2O Plastic	A	NA		4.1	Y	Absent		A2-NY-537-ISOTOPE(14)

Project Name: Not Specified

Project Number:

 Serial_No:03202015:35
 Lab Number: L2010918
 Report Date: 03/20/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDoA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSAs)		
Perfluorododecanesulfonic Acid	PFDoDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1

Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: Not Specified

Lab Number: L2010918

Project Number: Not Specified

Report Date: 03/20/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



Project Name: Not Specified**Lab Number:** L2010918**Project Number:** Not Specified**Report Date:** 03/20/20**Data Qualifiers**

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

Project Name: Not Specified
Project Number: Not Specified

Lab Number: L2010918
Report Date: 03/20/20

REFERENCES

- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



Wednesday, March 25, 2020

Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Project ID: 1015 ATLANTIC AVE BROOKLYN
SDG ID: GCF48100
Sample ID#s: CF48100 - CF48106

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory. This report is incomplete unless all pages indicated in the pagination at the bottom of the page are included.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

Enclosed are revised Analysis Report pages. Please replace and discard the original pages. If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.

Sincerely yours,

A handwritten signature in black ink that reads "Phyllis Shiller". The signature is written in a cursive style.

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #M-CT007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
UT Lab Registration #CT00007
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



**NY ANALYTICAL SERVICES PROTOCOL
DATA PACKAGE**

Client: Environmental Business Consultants
Project: 1015 ATLANTIC AVE BROOKLYN
Laboratory Project: GCF48100



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06040
Tel. (860) 645-1102 Fax (860) 645-0823



NY Analytical Services Protocol Format

March 25, 2020

SDG I.D.: GCF48100

Environmental Business Consultants 1015 ATLANTIC AVE BROOKLYN

Methodology Summary

Volatiles in Air

Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air: Method TO-15, Second Edition, U. S. Environmental Protection Agency, January 1999.



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NY Analytical Services Protocol Format

March 25, 2020

SDG I.D.: GCF48100

Environmental Business Consultants 1015 ATLANTIC AVE BROOKLYN

Laboratory Chronicle

Sample	Analysis	Collection Date	Prep Date	Analysis Date	Analyst	Hold Time Met
CF48100	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y
CF48101	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y
CF48102	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y
CF48103	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y
CF48104	Volatiles (TO15)	03/10/20	03/13/20	03/13/20	KCA	Y
CF48105	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y
CF48106	Volatiles (TO15)	03/10/20	03/12/20	03/12/20	KCA	Y



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SDG Comments

March 25, 2020

SDG I.D.: GCF48100

Any compound that is not detected above the MDL/LOD is reported as ND on the report and is reported in the electronic deliverables (EDD) as <RL or U at the RL per state and EPA guidance.

Version 1: Analysis results minus raw data.

Version 2: Complete report with raw data.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Sample Id Cross Reference

March 25, 2020

SDG I.D.: GCF48100

Project ID: 1015 ATLANTIC AVE BROOKLYN

Client Id	Lab Id	Matrix
SG4	CF48100	AIR
SG5	CF48101	AIR
SG7	CF48102	AIR
SG2	CF48103	AIR
SG1	CF48104	AIR
SG3	CF48105	AIR
SG6	CF48106	AIR



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 19844

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:23
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48100

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.861	0.204	0.204	4.23	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	0.258	0.204	0.204	1.27	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	0.211	0.166	0.166	1.27	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	0.228	0.204	0.204	1.12	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
Acetone	103	2.11	2.11	245	5.01	5.01	03/12/20	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	0.592	0.313	0.313	1.89	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	0.105	0.032	0.032	0.66	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	8.44	0.205	0.205	41.2	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	0.448	0.202	0.202	2.21	1.00	1.00	03/12/20	KCA	1
Ethanol	18.6	0.531	0.531	35.0	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	1.38	0.278	0.278	4.97	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.786	0.230	0.230	3.41	1.00	1.00	03/12/20	KCA	1
Heptane	0.537	0.244	0.244	2.20	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	0.420	0.284	0.284	1.48	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	2.64	0.407	0.407	6.49	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	2.72	0.230	0.230	11.8	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	6.45	0.339	0.339	19.0	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	1.12	0.864	0.864	3.89	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
o-Xylene	1.13	0.230	0.230	4.90	1.00	1.00	03/12/20	KCA	1
Propylene	6.08	0.581	0.581	10.5	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
Styrene	0.419	0.235	0.235	1.78	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	4.67	0.037	0.037	31.7	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	2.75	0.339	0.339	8.11	1.00	1.00	03/12/20	KCA	1
Toluene	4.15	0.266	0.266	15.6	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.214	0.178	0.178	1.20	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	100	%	%	100	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	101	%	%	101	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	112	%	%	112	%	%	03/12/20	KCA	1
% Bromofluorobenzene (5x)	93	%	%	93	%	%	03/12/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	107	%	%	107	%	%	03/12/20	KCA	5
% IS-Bromochloromethane (5x)	107	%	%	107	%	%	03/12/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	112	%	%	112	%	%	03/12/20	KCA	5

Client ID: SG4

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 17165

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:41
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48101

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	0.141	0.135	0.135	1.05	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.412	0.204	0.204	2.02	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	0.215	0.204	0.204	1.06	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
Acetone	32.3	0.421	0.421	76.7	1.00	1.00	03/12/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	0.143	0.032	0.032	0.90	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	3.08	0.205	0.205	15.0	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	ND	0.202	0.202	ND	1.00	1.00	03/12/20	KCA	1
Ethanol	6.11	0.531	0.531	11.5	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.493	0.230	0.230	2.14	1.00	1.00	03/12/20	KCA	1
Heptane	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	0.486	0.407	0.407	1.19	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	1.88	0.230	0.230	8.16	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	2.33	0.339	0.339	6.87	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	ND	0.864	0.864	ND	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	0.236	0.182	0.182	1.29	1.00	1.00	03/12/20	KCA	1
o-Xylene	1.24	0.230	0.230	5.38	1.00	1.00	03/12/20	KCA	1
Propylene	1.01	0.581	0.581	1.74	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
Styrene	0.275	0.235	0.235	1.17	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	7.25	0.037	0.037	49.1	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	0.674	0.339	0.339	1.99	1.00	1.00	03/12/20	KCA	1
Toluene	1.58	0.266	0.266	5.95	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.218	0.178	0.178	1.22	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	102	%	%	102	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	104	%	%	104	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	115	%	%	115	%	%	03/12/20	KCA	1

Client ID: SG5

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 13633

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:37
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48102

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.784	0.204	0.204	3.85	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	0.234	0.204	0.204	1.15	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	0.257	0.166	0.166	1.54	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.542	0.244	0.244	2.22	1.00	1.00	03/12/20	KCA	1
Acetone	141	D 2.11	2.11	335	5.01	5.01	03/12/20	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	0.559	0.313	0.313	1.78	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	0.291	0.205	0.205	1.42	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	0.420	0.202	0.202	2.08	1.00	1.00	03/12/20	KCA	1
Ethanol	22.1	0.531	0.531	41.6	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	1.37	0.278	0.278	4.93	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.627	0.230	0.230	2.72	1.00	1.00	03/12/20	KCA	1
Heptane	0.451	0.244	0.244	1.85	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	0.429	0.284	0.284	1.51	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	5.99	0.407	0.407	14.7	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	2.38	0.230	0.230	10.3	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	8.34	0.339	0.339	24.6	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	1.09	0.864	0.864	3.78	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
o-Xylene	0.974	0.230	0.230	4.23	1.00	1.00	03/12/20	KCA	1
Propylene	5.14	0.581	0.581	8.84	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	0.784	0.182	0.182	4.30	1.00	1.00	03/12/20	KCA	1
Styrene	0.351	0.235	0.235	1.49	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	4.42	0.037	0.037	30.0	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	2.98	0.339	0.339	8.78	1.00	1.00	03/12/20	KCA	1
Toluene	3.69	0.266	0.266	13.9	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	0.056	0.037	0.037	0.30	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.182	0.178	0.178	1.02	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	104	%	%	104	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	105	%	%	105	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	113	%	%	113	%	%	03/12/20	KCA	1
% Bromofluorobenzene (5x)	94	%	%	94	%	%	03/12/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	105	%	%	105	%	%	03/12/20	KCA	5
% IS-Bromochloromethane (5x)	108	%	%	108	%	%	03/12/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	110	%	%	110	%	%	03/12/20	KCA	5

Client ID: SG7

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 23341

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:18
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48103

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.803	0.204	0.204	3.95	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	0.227	0.204	0.204	1.12	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	0.206	0.166	0.166	1.24	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
Acetone	81.7	D 2.11	2.11	194	5.01	5.01	03/12/20	KCA	5
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	0.841	0.313	0.313	2.69	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	0.071	0.032	0.032	0.45	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	1.26	0.205	0.205	6.15	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	0.193	0.051	0.051	0.76	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	0.472	0.202	0.202	2.33	1.00	1.00	03/12/20	KCA	1
Ethanol	39.7	0.531	0.531	74.8	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	2.57	0.278	0.278	9.26	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.732	0.230	0.230	3.18	1.00	1.00	03/12/20	KCA	1
Heptane	0.833	0.244	0.244	3.41	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	5.33	0.407	0.407	13.1	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	2.68	0.230	0.230	11.6	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	21.5	0.339	0.339	63.4	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	1.42	0.864	0.864	4.93	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
o-Xylene	1.07	0.230	0.230	4.64	1.00	1.00	03/12/20	KCA	1
Propylene	4.67	0.581	0.581	8.03	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
Styrene	0.415	0.235	0.235	1.77	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	5.87	0.037	0.037	39.8	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	3.20	0.339	0.339	9.43	1.00	1.00	03/12/20	KCA	1
Toluene	5.23	0.266	0.266	19.7	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	0.936	0.037	0.037	5.03	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.215	0.178	0.178	1.21	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	95	%	%	95	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	106	%	%	106	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	106	%	%	106	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	112	%	%	112	%	%	03/12/20	KCA	1
% Bromofluorobenzene (5x)	98	%	%	98	%	%	03/12/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	104	%	%	104	%	%	03/12/20	KCA	5
% IS-Bromochloromethane (5x)	107	%	%	107	%	%	03/12/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	106	%	%	106	%	%	03/12/20	KCA	5

Client ID: SG2

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 13636

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:15
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48104

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Volatiles (TO15)									
1,1,1,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	03/12/20	KCA	5
1,1,1-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	03/12/20	KCA	5
1,1,2,2-Tetrachloroethane	ND	0.729	0.729	ND	5.00	5.00	03/12/20	KCA	5
1,1,2-Trichloroethane	ND	0.917	0.917	ND	5.00	5.00	03/12/20	KCA	5
1,1-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	03/12/20	KCA	5
1,1-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	5
1,2,4-Trichlorobenzene	ND	0.674	0.674	ND	5.00	5.00	03/12/20	KCA	5
1,2,4-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	03/12/20	KCA	5
1,2-Dibromoethane(EDB)	ND	0.651	0.651	ND	5.00	5.00	03/12/20	KCA	5
1,2-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	03/12/20	KCA	5
1,2-Dichloroethane	ND	1.24	1.24	ND	5.02	5.02	03/12/20	KCA	5
1,2-dichloropropane	ND	1.08	1.08	ND	4.99	4.99	03/12/20	KCA	5
1,2-Dichlorotetrafluoroethane	ND	0.716	0.716	ND	5.00	5.00	03/12/20	KCA	5
1,3,5-Trimethylbenzene	ND	1.02	1.02	ND	5.01	5.01	03/12/20	KCA	5
1,3-Butadiene	ND	2.26	2.26	ND	5.00	5.00	03/12/20	KCA	5
1,3-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	03/12/20	KCA	5
1,4-Dichlorobenzene	ND	0.832	0.832	ND	5.00	5.00	03/12/20	KCA	5
1,4-Dioxane	ND	1.39	1.39	ND	5.01	5.01	03/12/20	KCA	5
2-Hexanone(MBK)	ND	1.22	1.22	ND	4.99	4.99	03/12/20	KCA	5
4-Ethyltoluene	1.05	1.02	1.02	5.16	5.01	5.01	03/12/20	KCA	5
4-Isopropyltoluene	ND	0.911	0.911	ND	5.00	5.00	03/12/20	KCA	5
4-Methyl-2-pentanone(MIBK)	ND	1.22	1.22	ND	4.99	4.99	03/12/20	KCA	5
Acetone	647	D 12.6	12.6	1540	29.9	29.9	03/13/20	KCA	30
Acrylonitrile	ND	2.31	2.31	ND	5.01	5.01	03/12/20	KCA	5
Benzene	38.0	1.57	1.57	121	5.01	5.01	03/12/20	KCA	5
Benzyl chloride	ND	0.966	0.966	ND	5.00	5.00	03/12/20	KCA	5

Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.747	0.747	ND	5.00	5.00	03/12/20	KCA	5
Bromoform	ND	0.484	0.484	ND	5.00	5.00	03/12/20	KCA	5
Bromomethane	ND	1.29	1.29	ND	5.01	5.01	03/12/20	KCA	5
Carbon Disulfide	ND	1.61	1.61	ND	5.01	5.01	03/12/20	KCA	5
Carbon Tetrachloride	ND	0.159	0.159	ND	1.00	1.00	03/12/20	KCA	5
Chlorobenzene	ND	1.09	1.09	ND	5.01	5.01	03/12/20	KCA	5
Chloroethane	ND	1.90	1.90	ND	5.01	5.01	03/12/20	KCA	5
Chloroform	ND	1.02	1.02	ND	4.98	4.98	03/12/20	KCA	5
Chloromethane	ND	2.42	2.42	ND	4.99	4.99	03/12/20	KCA	5
Cis-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	5
cis-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	03/12/20	KCA	5
Cyclohexane	ND	D 4.36	4.36	ND	15.0	15.0	03/12/20	KCA	15
Dibromochloromethane	ND	0.587	0.587	ND	5.00	5.00	03/12/20	KCA	5
Dichlorodifluoromethane	ND	1.01	1.01	ND	4.99	4.99	03/12/20	KCA	5
Ethanol	67.9	2.66	2.66	128	5.01	5.01	03/12/20	KCA	5 1
Ethyl acetate	ND	1.39	1.39	ND	5.01	5.01	03/12/20	KCA	5 1
Ethylbenzene	28.1	1.15	1.15	122	4.99	4.99	03/12/20	KCA	5
Heptane	284	D 3.66	3.66	1160	15.0	15.0	03/12/20	KCA	15
Hexachlorobutadiene	ND	0.469	0.469	ND	5.00	5.00	03/12/20	KCA	5
Hexane	181	1.42	1.42	638	5.00	5.00	03/12/20	KCA	5
Isopropylalcohol	43.2	2.04	2.04	106	5.01	5.01	03/12/20	KCA	5
Isopropylbenzene	1.42	1.02	1.02	6.98	5.01	5.01	03/12/20	KCA	5
m,p-Xylene	14.9	1.15	1.15	64.7	4.99	4.99	03/12/20	KCA	5
Methyl Ethyl Ketone	37.1	1.70	1.70	109	5.01	5.01	03/12/20	KCA	5
Methyl tert-butyl ether(MTBE)	ND	1.39	1.39	ND	5.01	5.01	03/12/20	KCA	5
Methylene Chloride	ND	4.32	4.32	ND	15.0	15.0	03/12/20	KCA	5
n-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	03/12/20	KCA	5 1
o-Xylene	2.79	1.15	1.15	12.1	4.99	4.99	03/12/20	KCA	5
Propylene	32.0	2.91	2.91	55.0	5.01	5.01	03/12/20	KCA	5 1
sec-Butylbenzene	ND	0.911	0.911	ND	5.00	5.00	03/12/20	KCA	5 1
Styrene	ND	1.17	1.17	ND	4.98	4.98	03/12/20	KCA	5
Tetrachloroethene	2.27	0.184	0.184	15.4	1.25	1.25	03/12/20	KCA	5
Tetrahydrofuran	ND	1.70	1.70	ND	5.01	5.01	03/12/20	KCA	5 1
Toluene	ND	1.33	1.33	ND	5.01	5.01	03/12/20	KCA	5
Trans-1,2-Dichloroethene	ND	1.26	1.26	ND	4.99	4.99	03/12/20	KCA	5
trans-1,3-Dichloropropene	ND	1.10	1.10	ND	4.99	4.99	03/12/20	KCA	5
Trichloroethene	ND	0.186	0.186	ND	1.00	1.00	03/12/20	KCA	5
Trichlorofluoromethane	ND	0.891	0.891	ND	5.00	5.00	03/12/20	KCA	5
Trichlorotrifluoroethane	ND	0.653	0.653	ND	5.00	5.00	03/12/20	KCA	5
Vinyl Chloride	ND	0.391	0.391	ND	1.00	1.00	03/12/20	KCA	5
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene (5x)	106	%	%	106	%	%	03/12/20	KCA	5
% IS-1,4-Difluorobenzene (5x)	111	%	%	111	%	%	03/12/20	KCA	5
% IS-Bromochloromethane (5x)	105	%	%	105	%	%	03/12/20	KCA	5
% IS-Chlorobenzene-d5 (5x)	147	%	%	147	%	%	03/12/20	KCA	5 3
% Bromofluorobenzene (15x)	91	%	%	91	%	%	03/12/20	KCA	15
% IS-1,4-Difluorobenzene (15x)	109	%	%	109	%	%	03/12/20	KCA	15
% IS-Bromochloromethane (15x)	102	%	%	102	%	%	03/12/20	KCA	15
% IS-Chlorobenzene-d5 (15x)	136	%	%	136	%	%	03/12/20	KCA	15

Client ID: SG1

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
% Bromofluorobenzene (30x)	96	%	%	96	%	%	03/13/20	KCA	30
% IS-1,4-Difluorobenzene (30x)	124	%	%	124	%	%	03/13/20	KCA	30
% IS-Bromochloromethane (30x)	106	%	%	106	%	%	03/13/20	KCA	30
% IS-Chlorobenzene-d5 (30x)	128	%	%	128	%	%	03/13/20	KCA	30

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

3 = This parameter exceeds laboratory specified limits.

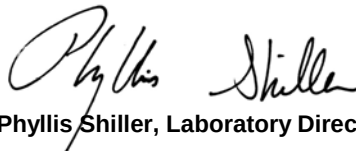
RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

An elevated reporting level was reported for TO15 due to a matrix interference of non target compounds.

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 28552

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:46
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48105

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.815	0.204	0.204	4.00	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	0.226	0.204	0.204	1.11	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	0.218	0.204	0.204	1.07	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
Acetone	11.9	0.421	0.421	28.3	1.00	1.00	03/12/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	ND	0.313	0.313	ND	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	ND	0.149	0.149	ND	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	ND	0.321	0.321	ND	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	ND	0.032	0.032	ND	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	ND	0.205	0.205	ND	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	0.318	0.291	0.291	1.09	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	0.452	0.202	0.202	2.23	1.00	1.00	03/12/20	KCA	1
Ethanol	14.0	0.531	0.531	26.4	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	0.710	0.278	0.278	2.56	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.736	0.230	0.230	3.19	1.00	1.00	03/12/20	KCA	1
Heptane	0.302	0.244	0.244	1.24	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	ND	0.284	0.284	ND	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	0.912	0.407	0.407	2.24	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	2.55	0.230	0.230	11.1	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	2.60	0.339	0.339	7.66	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	0.917	0.864	0.864	3.18	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
o-Xylene	1.19	0.230	0.230	5.16	1.00	1.00	03/12/20	KCA	1
Propylene	0.863	0.581	0.581	1.48	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
Styrene	0.371	0.235	0.235	1.58	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	7.50	0.037	0.037	50.8	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	2.07	0.339	0.339	6.10	1.00	1.00	03/12/20	KCA	1
Toluene	3.28	0.266	0.266	12.4	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.198	0.178	0.178	1.11	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	93	%	%	93	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	92	%	%	92	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	95	%	%	95	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	103	%	%	103	%	%	03/12/20	KCA	1

Client ID: SG3

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If you are the client above and have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext.200. The contents of this report cannot be discussed with anyone other than the client listed above without their written consent.



Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Analysis Report

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Sample Information

Matrix: AIR
Location Code: EBC
Rush Request: 72 Hour
P.O.#:
Canister Id: 23345

Custody Information

Collected by: NB
Received by: CP
Analyzed by: see "By" below

Date

03/10/20 10:43
03/11/20 16:06

Time

Laboratory Data

SDG ID: GCF48100
Phoenix ID: CF48106

Project ID: 1015 ATLANTIC AVE BROOKLYN
Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
<u>Volatiles (TO15)</u>									
1,1,1,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,1-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1,2,2-Tetrachloroethane	ND	0.146	0.146	ND	1.00	1.00	03/12/20	KCA	1
1,1,2-Trichloroethane	ND	0.183	0.183	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,1-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
1,2,4-Trichlorobenzene	ND	0.135	0.135	ND	1.00	1.00	03/12/20	KCA	1
1,2,4-Trimethylbenzene	0.832	0.204	0.204	4.09	1.00	1.00	03/12/20	KCA	1
1,2-Dibromoethane(EDB)	ND	0.130	0.130	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichloroethane	ND	0.247	0.247	ND	1.00	1.00	03/12/20	KCA	1
1,2-dichloropropane	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
1,2-Dichlorotetrafluoroethane	ND	0.143	0.143	ND	1.00	1.00	03/12/20	KCA	1
1,3,5-Trimethylbenzene	0.219	0.204	0.204	1.08	1.00	1.00	03/12/20	KCA	1
1,3-Butadiene	ND	0.452	0.452	ND	1.00	1.00	03/12/20	KCA	1
1,3-Dichlorobenzene	0.211	0.166	0.166	1.27	1.00	1.00	03/12/20	KCA	1
1,4-Dichlorobenzene	ND	0.166	0.166	ND	1.00	1.00	03/12/20	KCA	1
1,4-Dioxane	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
2-Hexanone(MBK)	ND	0.244	0.244	ND	1.00	1.00	03/12/20	KCA	1
4-Ethyltoluene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
4-Isopropyltoluene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
4-Methyl-2-pentanone(MIBK)	0.383	0.244	0.244	1.57	1.00	1.00	03/12/20	KCA	1
Acetone	26.5	0.421	0.421	62.9	1.00	1.00	03/12/20	KCA	1
Acrylonitrile	ND	0.461	0.461	ND	1.00	1.00	03/12/20	KCA	1
Benzene	0.412	0.313	0.313	1.32	1.00	1.00	03/12/20	KCA	1
Benzyl chloride	ND	0.193	0.193	ND	1.00	1.00	03/12/20	KCA	1

Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution
Bromodichloromethane	0.151	0.149	0.149	1.01	1.00	1.00	03/12/20	KCA	1
Bromoform	ND	0.097	0.097	ND	1.00	1.00	03/12/20	KCA	1
Bromomethane	ND	0.258	0.258	ND	1.00	1.00	03/12/20	KCA	1
Carbon Disulfide	0.419	0.321	0.321	1.30	1.00	1.00	03/12/20	KCA	1
Carbon Tetrachloride	0.049	0.032	0.032	0.31	0.20	0.20	03/12/20	KCA	1
Chlorobenzene	ND	0.217	0.217	ND	1.00	1.00	03/12/20	KCA	1
Chloroethane	ND	0.379	0.379	ND	1.00	1.00	03/12/20	KCA	1
Chloroform	6.07	0.205	0.205	29.6	1.00	1.00	03/12/20	KCA	1
Chloromethane	ND	0.485	0.485	ND	1.00	1.00	03/12/20	KCA	1
Cis-1,2-Dichloroethene	ND	0.051	0.051	ND	0.20	0.20	03/12/20	KCA	1
cis-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Cyclohexane	ND	0.291	0.291	ND	1.00	1.00	03/12/20	KCA	1
Dibromochloromethane	ND	0.118	0.118	ND	1.00	1.00	03/12/20	KCA	1
Dichlorodifluoromethane	0.438	0.202	0.202	2.16	1.00	1.00	03/12/20	KCA	1
Ethanol	18.3	0.531	0.531	34.5	1.00	1.00	03/12/20	KCA	1
Ethyl acetate	2.53	0.278	0.278	9.11	1.00	1.00	03/12/20	KCA	1
Ethylbenzene	0.560	0.230	0.230	2.43	1.00	1.00	03/12/20	KCA	1
Heptane	0.261	0.244	0.244	1.07	1.00	1.00	03/12/20	KCA	1
Hexachlorobutadiene	ND	0.094	0.094	ND	1.00	1.00	03/12/20	KCA	1
Hexane	0.318	0.284	0.284	1.12	1.00	1.00	03/12/20	KCA	1
Isopropylalcohol	1.19	0.407	0.407	2.92	1.00	1.00	03/12/20	KCA	1
Isopropylbenzene	ND	0.204	0.204	ND	1.00	1.00	03/12/20	KCA	1
m,p-Xylene	2.21	0.230	0.230	9.6	1.00	1.00	03/12/20	KCA	1
Methyl Ethyl Ketone	2.54	0.339	0.339	7.49	1.00	1.00	03/12/20	KCA	1
Methyl tert-butyl ether(MTBE)	ND	0.278	0.278	ND	1.00	1.00	03/12/20	KCA	1
Methylene Chloride	1.19	0.864	0.864	4.13	3.00	3.00	03/12/20	KCA	1
n-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
o-Xylene	0.893	0.230	0.230	3.88	1.00	1.00	03/12/20	KCA	1
Propylene	0.927	0.581	0.581	1.59	1.00	1.00	03/12/20	KCA	1
sec-Butylbenzene	ND	0.182	0.182	ND	1.00	1.00	03/12/20	KCA	1
Styrene	0.303	0.235	0.235	1.29	1.00	1.00	03/12/20	KCA	1
Tetrachloroethene	3.92	0.037	0.037	26.6	0.25	0.25	03/12/20	KCA	1
Tetrahydrofuran	1.76	0.339	0.339	5.19	1.00	1.00	03/12/20	KCA	1
Toluene	3.08	0.266	0.266	11.6	1.00	1.00	03/12/20	KCA	1
Trans-1,2-Dichloroethene	ND	0.252	0.252	ND	1.00	1.00	03/12/20	KCA	1
trans-1,3-Dichloropropene	ND	0.221	0.221	ND	1.00	1.00	03/12/20	KCA	1
Trichloroethene	ND	0.037	0.037	ND	0.20	0.20	03/12/20	KCA	1
Trichlorofluoromethane	0.217	0.178	0.178	1.22	1.00	1.00	03/12/20	KCA	1
Trichlorotrifluoroethane	ND	0.131	0.131	ND	1.00	1.00	03/12/20	KCA	1
Vinyl Chloride	ND	0.078	0.078	ND	0.20	0.20	03/12/20	KCA	1
<u>QA/OC Surrogates/Internals</u>									
% Bromofluorobenzene	96	%	%	96	%	%	03/12/20	KCA	1
% IS-1,4-Difluorobenzene	98	%	%	98	%	%	03/12/20	KCA	1
% IS-Bromochloromethane	102	%	%	102	%	%	03/12/20	KCA	1
% IS-Chlorobenzene-d5	105	%	%	105	%	%	03/12/20	KCA	1

Client ID: SG6

Parameter	ppbv Result	ppbv RL	LOD/ MDL	ug/m3 Result	ug/m3 RL	LOD/ MDL	Date/Time	By	Dilution

1 = This parameter is not certified by the primary accrediting authority (NY NELAC) for this matrix. NY NELAC does not offer certification for all parameters at this time.

RL/PQL=Reporting/Practical Quantitation Level (Equivalent to NELAC LOQ, Limit of Quantitation) ND=Not Detected BRL=Below Reporting Level L=Biased Low LOD=Limit of Detection MDL=Method Detection Limit1

QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

March 25, 2020

Reviewed and Released by: Greg Lawrence, Assistant Lab Director



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



Canister Sampling Information

March 25, 2020

FOR: Attn: Mr. Charles B. Sosik, P.G.
Environmental Business Consultants
1808 Middle Country Rd
Ridge NY 11961-2406

Location Code: EBC

SDG I.D.: GCF48100

Project ID: 1015 ATLANTIC AVE BROOKLYN

Client Id	Lab Id	Canister		Reg. Id	Chk Out Date	Laboratory					Field			
		Id	Type			Out Hg	In Hg	Out Flow	In Flow	Flow RPD	Start Hg	End Hg	Sampling Start Date	Sampling End Date
SG4	CF48100	19844	6.0L	4959	03/09/20	-30	-7	43	42	2.4	-28	-4	03/10/20 8:26	03/10/20 10:23
SG5	CF48101	17165	6.0L	5393	03/09/20	-30	-5	43	43	0.0	-30	-4	03/10/20 8:45	03/10/20 10:41
SG7	CF48102	13633	6.0L	7002	03/09/20	-30	-5	43	43	0.0	-29	-4	03/10/20 8:33	03/10/20 10:37
SG2	CF48103	23341	6.0L	4962	03/09/20	-30	-5	43	43	0.0	-30	-2	03/10/20 8:12	03/10/20 10:18
SG1	CF48104	13636	6.0L	2969	03/09/20	-30	-5	43	44	2.3	-29	-4	03/10/20 8:18	03/10/20 10:15
SG3	CF48105	28552	6.0L	5616	03/09/20	-30	-6	43	43	0.0	-30	-5	03/10/20 8:51	03/10/20 10:46
SG6	CF48106	23345	6.0L	6992	03/09/20	-30	-4	43	44	2.3	-29	-3	03/10/20 8:39	03/10/20 10:43



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QA/QC Report

March 25, 2020

QA/QC Data

SDG I.D.: GCF48100

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
QA/QC Batch 522110 (ppbv), QC Sample No: CF48059 (CF48100 (1X, 5X) , CF48101, CF48102 (1X, 5X) , CF48103 (1X, 5X) , CF48104 (5X))												
Volatiles												
1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	106	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	109	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	118	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	105	14.0	10.5	2.84	2.13	28.6	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	100	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	106	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	104	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	105	3.14	2.34	0.639	0.477	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	115	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	109	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	113	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	119	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	104	2.51	1.82	0.510	0.371	NC	70 - 130	25
4-Isopropyltoluene	ND	0.180	ND	0.99	102	3.10	2.34	0.565	0.426	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	117	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	108	189	150	79.7	63.2	23.1	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	103	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	105	2.26	1.78	0.708	0.558	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	109	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	119	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	105	0.45	0.47	0.071	0.075	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	86	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	117	1.51	1.49	0.732	0.723	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	104	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	NR	0.29	NR	1.00	96	83.9	65.0	24.4	18.9	25.4	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	100	2.41	2.34	0.488	0.474	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCF48100

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
Ethanol	ND	0.530	ND	1.00	109	1200 E	1000	639 E	533	18.1	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	111	19.8	15.2	5.49	4.21	26.4	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	102	3.98	2.97	0.916	0.685	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	112	6.39	4.87	1.56	1.19	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	96	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	104	5.71	5.18	1.62	1.47	9.7	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	99	242 E	193	98.7 E	78.5	22.8	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	100	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	107	17.7	13.4	4.09	3.09	27.9	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	110	21.0	16.2	7.11	5.50	25.5	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	94	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	112	ND	7.15	ND	2.06	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	113	3.15	2.38	0.575	0.434	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	103	7.03	5.51	1.62	1.27	24.2	70 - 130	25
Propylene	ND	0.580	ND	1.00	108	ND	ND	ND	ND	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	106	27.9	21.2	6.55	4.97	27.4	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	99	0.46	0.34	0.068	0.050	NC	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	108	23.4	17.7	7.93	5.99	27.9	70 - 130	25
Toluene	ND	0.270	ND	1.02	105	159	126	42.1	33.5	22.8	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	105	0.39	0.25	0.072	0.046	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	101	1.35	1.34	0.240	0.239	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	102	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	110	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	92	%	92	%	104	100	98	100	98	NC	70 - 130	25
% IS-1,4-Difluorobenzene	105	%	105	%	110	102	105	102	105	NC	60 - 140	25
% IS-Bromochloromethane	108	%	108	%	107	100	105	100	105	NC	60 - 140	25
% IS-Chlorobenzene-d5	106	%	106	%	116	109	110	109	110	NC	60 - 140	25

QA/QC Batch 522280 (ppbv), QC Sample No: CF48105 (CF48104 (15X) , CF48105, CF48106)

Volatiles

1,1,1,2-Tetrachloroethane	ND	0.150	ND	1.03	104	ND	ND	ND	ND	NC	70 - 130	25
1,1,1-Trichloroethane	ND	0.180	ND	0.98	99	ND	ND	ND	ND	NC	70 - 130	25
1,1,2,2-Tetrachloroethane	ND	0.150	ND	1.03	109	ND	ND	ND	ND	NC	70 - 130	25
1,1,2-Trichloroethane	ND	0.180	ND	0.98	102	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethane	ND	0.250	ND	1.01	105	ND	ND	ND	ND	NC	70 - 130	25
1,1-Dichloroethene	ND	0.050	ND	0.20	101	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trichlorobenzene	ND	0.130	ND	0.96	110	ND	ND	ND	ND	NC	70 - 130	25
1,2,4-Trimethylbenzene	ND	0.200	ND	0.98	103	4.00	4.04	0.815	0.823	NC	70 - 130	25
1,2-Dibromoethane(EDB)	ND	0.130	ND	1.00	101	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorobenzene	ND	0.170	ND	1.02	103	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichloroethane	ND	0.250	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
1,2-dichloropropane	ND	0.220	ND	1.02	108	ND	ND	ND	ND	NC	70 - 130	25
1,2-Dichlorotetrafluoroethane	ND	0.140	ND	0.98	101	ND	ND	ND	ND	NC	70 - 130	25
1,3,5-Trimethylbenzene	ND	0.200	ND	0.98	100	1.11	1.19	0.226	0.242	NC	70 - 130	25
1,3-Butadiene	ND	0.450	ND	0.99	115	ND	ND	ND	ND	NC	70 - 130	25
1,3-Dichlorobenzene	ND	0.170	ND	1.02	104	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dichlorobenzene	ND	0.170	ND	1.02	107	ND	ND	ND	ND	NC	70 - 130	25
1,4-Dioxane	ND	0.280	ND	1.01	107	ND	ND	ND	ND	NC	70 - 130	25
2-Hexanone(MBK)	ND	0.240	ND	0.98	125	ND	ND	ND	ND	NC	70 - 130	25
4-Ethyltoluene	ND	0.200	ND	0.98	102	1.07	1.11	0.218	0.225	NC	70 - 130	25

QA/QC Data

SDG I.D.: GCF48100

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits
4-Isopropyltoluene	ND	0.180	ND	0.99	99	ND	ND	ND	ND	NC	70 - 130	25
4-Methyl-2-pentanone(MIBK)	ND	0.240	ND	0.98	123	ND	ND	ND	ND	NC	70 - 130	25
Acetone	ND	0.420	ND	1.00	112	28.3	29.7	11.9	12.5	4.9	70 - 130	25
Acrylonitrile	ND	0.460	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Benzene	ND	0.310	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
Benzyl chloride	ND	0.190	ND	0.98	106	ND	ND	ND	ND	NC	70 - 130	25
Bromodichloromethane	ND	0.150	ND	1.00	106	ND	ND	ND	ND	NC	70 - 130	25
Bromoform	ND	0.097	ND	1.00	116	ND	ND	ND	ND	NC	70 - 130	25
Bromomethane	ND	0.260	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Carbon Disulfide	ND	0.320	ND	1.00	104	ND	ND	ND	ND	NC	70 - 130	25
Carbon Tetrachloride	ND	0.032	ND	0.20	105	ND	ND	ND	ND	NC	70 - 130	25
Chlorobenzene	ND	0.220	ND	1.01	102	ND	ND	ND	ND	NC	70 - 130	25
Chloroethane	ND	0.380	ND	1.00	107	ND	ND	ND	ND	NC	70 - 130	25
Chloroform	ND	0.200	ND	0.98	83	ND	ND	ND	ND	NC	70 - 130	25
Chloromethane	ND	0.480	ND	0.99	131	ND	ND	ND	ND	NC	70 - 130	25
Cis-1,2-Dichloroethene	ND	0.256	ND	1.01	103	ND	ND	ND	ND	NC	70 - 130	25
cis-1,3-Dichloropropene	ND	0.220	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Cyclohexane	ND	0.290	ND	1.00	94	1.09	ND	0.318	ND	NC	70 - 130	25
Dibromochloromethane	ND	0.120	ND	1.02	110	ND	ND	ND	ND	NC	70 - 130	25
Dichlorodifluoromethane	ND	0.200	ND	0.99	98	2.23	2.33	0.452	0.472	NC	70 - 130	25
Ethanol	ND	0.530	ND	1.00	113	26.4	29.6	14.0	15.7	11.4	70 - 130	25
Ethyl acetate	ND	0.280	ND	1.01	114	2.56	2.79	0.710	0.774	NC	70 - 130	25
Ethylbenzene	ND	0.230	ND	1.00	100	3.19	3.20	0.736	0.737	NC	70 - 130	25
Heptane	ND	0.240	ND	0.98	122	1.24	1.18	0.302	0.289	NC	70 - 130	25
Hexachlorobutadiene	ND	0.094	ND	1.00	92	ND	ND	ND	ND	NC	70 - 130	25
Hexane	ND	0.280	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
Isopropylalcohol	ND	0.410	ND	1.01	103	2.24	2.42	0.912	0.984	NC	70 - 130	25
Isopropylbenzene	ND	0.200	ND	0.98	98	ND	ND	ND	ND	NC	70 - 130	25
m,p-Xylene	ND	0.230	ND	1.00	105	11.1	11.3	2.55	2.61	2.3	70 - 130	25
Methyl Ethyl Ketone	ND	0.340	ND	1.00	114	7.66	7.96	2.60	2.70	3.8	70 - 130	25
Methyl tert-butyl ether(MTBE)	ND	0.280	ND	1.01	92	ND	ND	ND	ND	NC	70 - 130	25
Methylene Chloride	ND	0.860	ND	2.99	116	3.18	ND	0.917	ND	NC	70 - 130	25
n-Butylbenzene	ND	0.180	ND	0.99	110	ND	ND	ND	ND	NC	70 - 130	25
o-Xylene	ND	0.230	ND	1.00	101	5.16	5.25	1.19	1.21	1.7	70 - 130	25
Propylene	ND	0.580	ND	1.00	112	1.48	1.46	0.863	0.847	NC	70 - 130	25
sec-Butylbenzene	ND	0.180	ND	0.99	103	ND	ND	ND	ND	NC	70 - 130	25
Styrene	ND	0.230	ND	0.98	103	1.58	1.58	0.371	0.372	NC	70 - 130	25
Tetrachloroethene	ND	0.037	ND	0.25	97	50.8	51.3	7.50	7.57	0.9	70 - 130	25
Tetrahydrofuran	ND	0.340	ND	1.00	112	6.10	6.43	2.07	2.18	5.2	70 - 130	25
Toluene	ND	0.270	ND	1.02	104	12.3	12.3	3.27	3.27	0.0	70 - 130	25
Trans-1,2-Dichloroethene	ND	0.250	ND	0.99	105	ND	ND	ND	ND	NC	70 - 130	25
trans-1,3-Dichloropropene	ND	0.220	ND	1.00	105	ND	ND	ND	ND	NC	70 - 130	25
Trichloroethene	ND	0.037	ND	0.20	104	ND	ND	ND	ND	NC	70 - 130	25
Trichlorofluoromethane	ND	0.180	ND	1.01	98	1.11	1.13	0.198	0.201	NC	70 - 130	25
Trichlorotrifluoroethane	ND	0.130	ND	1.00	100	ND	ND	ND	ND	NC	70 - 130	25
Vinyl Chloride	ND	0.078	ND	0.20	112	ND	ND	ND	ND	NC	70 - 130	25
% Bromofluorobenzene	87	%	87	%	103	93	92	93	92	NC	70 - 130	25
% IS-1,4-Difluorobenzene	99	%	99	%	108	92	94	92	94	NC	60 - 140	25
% IS-Bromochloromethane	102	%	102	%	104	95	96	95	96	NC	60 - 140	25
% IS-Chlorobenzene-d5	98	%	98	%	113	103	104	103	104	NC	60 - 140	25

QA/QC Data

SDG I.D.: GCF48100

Parameter	Blk ppbv	Blk RL ppbv	Blk ug/m3	Blk RL ug/m3	LCS %	Sample Result ug/m3	Sample Dup ug/m3	Sample Result ppbv	Sample Dup ppbv	DUP RPD	% Rec Limits	% RPD Limits

QA/QC Batch 522517 (ppbv), QC Sample No: CF49365 (CF48104 (30X))

Volatiles

Acetone	ND	0.500	ND	1.19	89	27.3	26.6	11.5	11.2	2.6	70 - 130	25
% Bromofluorobenzene	94	%	94	%	100	100	99	100	99	NC	70 - 130	25
% IS-1,4-Difluorobenzene	104	%	104	%	117	102	109	102	109	NC	60 - 140	25
% IS-Bromochloromethane	105	%	105	%	114	96	107	96	107	NC	60 - 140	25
% IS-Chlorobenzene-d5	100	%	100	%	116	111	115	111	115	NC	60 - 140	25

l = This parameter is outside laboratory LCS/LCSD specified recovery limits.

r = This parameter is outside laboratory RPD specified recovery limits.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director
March 25, 2020

Criteria: None
State: NY

Sample Criteria Exceedances Report
GCF48100 - EBC

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

APPENDIX - F
DUSR

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCB09334
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
SB1 (8-10)	CB09334	08/09/2018	SVOC	Soil
SB2 (18-20)	CB09335	08/09/2018	SVOC	Soil
SB3 (13-15)	CB09336	08/09/2018	SVOC	Soil
SB6 (18-20)	CB09337	08/09/2018	SVOC	Soil
SB7 (18-20)	CB09338	08/09/2018	SVOC	Soil
SB8 (18-20)	CB09339	08/09/2018	SVOC	Soil

Summary - Data validation was performed on six (6) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 08/09/2018 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/10/2018 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 08/03/2018 (CHEM05) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A except for 2,4-dinitrophenol.

Qualification: Non-detect results for 2,4-dinitrophenol were qualified as estimated (UJ) in samples SB1 (8-10), SB2 (18-20), SB3 (13-15), SB6 (18-20), SB7 (18-20), and SB8 (18-20).

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 08/11/2018 were within acceptance limits listed in Table 2 in SOP HW-35A except for pentachlorophenol.

Qualification: Non-detect results for pentachlorophenol were qualified as estimated (UJ) in samples SB1 (8-10), SB2 (18-20), SB3 (13-15), SB6 (18-20), SB7 (18-20), and SB8 (18-20).

Surrogates – Surrogate %R values were within the QC acceptance limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the six internal standards.

Qualification: None required.

Method Blank (MB) – Method Blank (CB09338 BLANK)-Scan associated with the soil samples extracted on 08/10/2018 and analyzed on 08/11/2018 was free of contamination.

Qualification: None required.

Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were performed on sample SB7 (18-20) (CB09338). All %RECs/RPDs were within the laboratory control limits except for benzoic acid (28% %R) and benzidine (18% and 22% %R).

Qualification: Non-detect results for benzoic acid and benzidine were qualified as estimated (UJ) in sample SB7 (18-20).

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF = 1

V = Volume for liquids in ml, weight for soils/solids in grams.

VE = final volume of concentrated extract

Sample: SB1 (8-10) (CB09334)

Naphthalene

Sample weight = 15.12g

Volume purged = 1.0ml

DF = 1

%Solids = 87

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{896286 \times 40 \times 1 \times 1000}{3901635 \times 0.922 \times 15.12 \times 0.87} = 757.63 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Naphthalene	760	760	0.0

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCB09334 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCB09334
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
SB1 (8-10)	CB09334	08/09/2018	VOC	Soil
SB2 (18-20)	CB09335	08/09/2018	VOC	Soil
SB3 (13-15)	CB09336	08/09/2018	VOC	Soil
SB6 (18-20)	CB09337	08/09/2018	VOC	Soil
SB7 (18-20)	CB09338	08/09/2018	VOC	Soil
SB8 (18-20)	CB09339	08/09/2018	VOC	Soil

Summary - Data validation was performed on six (6) soil samples from 1015 Atlantic Ave, Brooklyn, NY on 08/09/2018 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/10/2018 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 08/10/2018 (CHEM3) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A except for bromoform.

Qualification: Non-detect results for bromoform were qualified as estimated (UJ) in samples SB1 (8-10), SB2 (18-20), SB3 (13-15), SB6 (18-20), SB7 (18-20), and SB8 (18-20).

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 08/11/2018 were within acceptance limits for all target VOCs.

Qualification: None required.

- The %D for the CCVs analyzed and reported with these samples on 08/13/2018 were within acceptance limits for all target VOCs.

Qualification: None required.

- The %D for the CCVs analyzed and reported with these samples on 08/14/2018 were within acceptance limits for all target VOCs except for chloroethane and trichlorofluoromethane. Results for trichlorofluoromethane and chloroethane were not reported from this analytical batch.

Qualification: None required.

Surrogates – All surrogate percent recoveries were within the control limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – MS/MSD were performed on sample SB2 (18-20) (CB09335). All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank was not submitted with this sample set.

Qualification: None required.

Field Duplicate – A soil duplicate pair was not submitted with this SDG.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation – Analyte non-detections were reported as “U”; these results should be considered the equivalent of “PQL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

- All sample results were reported within the linear calibration range.
- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

SB3 (13-15) (CB09336)

Acetone

Sample weight= 7.29g

Volume purged=5.0ml

DF = 1

%Solid = 92%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{8158 \times 50 \times 1 \times 5.0}{301915 \times 0.085 \times 7.29 \times 0.92} = 11.85 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Acetone	12	12	0.0

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCB09334 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCB09334
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/24/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
SB3 (0-2)	CB09340	08/09/2018	Metals	Soil
SB5 (0-2)	CB09341	08/09/2018	Metals	Soil
SB8 (0-2)	CB09342	08/09/2018	Metals	Soil

Summary - Data validation was performed on six (6) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 08/09/2018 and submitted for the following analyses:

- 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
- 1.2 Mercury by SW-846 Method 7471A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/10/2018 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES.

Qualification: None required.

– All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis.

Qualification: None required.

Initial and Continuing Calibration Verification (ICV and CCV) – ICP-AES – All %RECs in the ICV and CCVs were within QC limits.

Qualification: None required.

Mercury – All correlation coefficient for Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs %REC values were within the QC limits.

Qualification: None required.

CRQL Check Standard (CRI) – CRI analyzed %RECs were within the control limits except for antimony and iron. Antimony was non-detect in the associated samples.

Qualification: Results for iron were qualified estimated bias high (J+) in samples SB3 (0-2), SB5 (0-2), and SB8 (0-2).

ICP-AES Interference Check Sample – All %REC values were within the QC limits for ICSA and ICSAB.

Qualification: None required.

Blanks (Method Blank, ICB and CCB) – ICP-AES Method Blank-Soil (CB09361) digested on 08/10/2018 was free of contamination.

Qualification: None required.

– All ICB and CCBs were free of contamination.

Qualification: None required.

– Mercury – All ICB and CCBs were free of contamination.

Qualification: None required.

–Mercury – Method Blank (CB09359 BLK) digested on 08/13/2018 was free of contamination.

Qualification: None required.

Field Blank (FB) and Equipment Blank (EB) – Field Blanks were not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – ICP-AES and Mercury – Laboratory Control Sample %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — A field duplicate pair was not included in this SDG.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) –Mercury/ICP-AES – Matrix Spike (MS) was not performed on a sample from this SDG.

Qualification: None required.

Sample Duplicate – ICP-AES and Mercury – Mercury/ICP-AES – Laboratory Duplicate was not performed on a sample from this SDG.

Qualification: None required.

ICP-AES Serial Dilution – ICP serial dilution was not performed on a sample from this SDG.

Qualification: None required.

Verification of Instrumental Parameters – The following Forms were present in the data package:

- Method Detection Limits, Form- X.
- ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
- ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual calculation

Sample: SB3 (0-2) (CB09340)

Barium

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml
W= 0.77g
%Solids =92
DF=1.0

Concentration (mg/Kg) (dry wt.)= $\frac{2400.059\text{ug/L} \times 50 \times 1.0 \times 1\text{L} \times 1000\text{gx} 1\text{mg}}{0.77 \times 0.92 \times 1000\text{ml} \times 1 \text{ kg} \times 1000\text{ug}} = 169.4 \text{ mg/kg}$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	169	169	0.0

Data Review Summary – The trace metal results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Trace Metals data package requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCB09334 at the end of the data validation report.



1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB09334

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB1 (8-10) 20180809	CB09334	E160.3	8/9/2018	1	SOLIDS, PERCENT	87	%			
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Ethylbenzene	52	ug/Kg	J	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Styrene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	cis-1,3-Dichloropropene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	trans-1,3-Dichloropropene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	n-Propylbenzene		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	n-Butylbenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	4-Chlorotoluene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,4-Dichlorobenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2-Dibromoethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Acrolein		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2-Dichloroethane		ug/Kg	U	20	20
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Acrylonitrile		ug/Kg	U	28	1100
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	4-Methyl-2-pentanone		ug/Kg	U	280	1400
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,3,5-Trimethylbenzene	46	ug/Kg	J	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Bromobenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Toluene	95	ug/Kg	J	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Chlorobenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Tetrahydrofuran (THF)		ug/Kg	U	140	560
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	trans-1,4-dichloro-2-butene		ug/Kg	U	140	560
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2,4-Trichlorobenzene		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,4-dioxane		ug/Kg	U	2200	2200
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Dibromochloromethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Tetrachloroethene		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	sec-Butylbenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,3-Dichloropropane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	cis-1,2-Dichloroethene		ug/Kg	U	28	250
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	trans-1,2-Dichloroethene		ug/Kg	U	28	190
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	56	560
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	m&p-Xylene	210	ug/Kg	J	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	2-Isopropyltoluene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,3-Dichlorobenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Carbon tetrachloride		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1-Dichloropropene		ug/Kg	U	28	280



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB09334**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	2-Hexanone		ug/Kg	U	280	1400
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	2,2-Dichloropropane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	56	1100
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Acetone		ug/Kg	U	50	50
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Chloroform		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Benzene		ug/Kg	U	28	60
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1,1-Trichloroethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Bromomethane		ug/Kg	U	110	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Chloromethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Dibromomethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Bromochloromethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Chloroethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Vinyl chloride		ug/Kg	U	20	20
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Methylene chloride		ug/Kg	U	50	50
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Carbon Disulfide		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Bromoform		ug/Kg	UJ	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Bromodichloromethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1-Dichloroethane		ug/Kg	U	56	270
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1-Dichloroethene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Tert-butyl alcohol		ug/Kg	U	1100	5600
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Trichlorofluoromethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Dichlorodifluoromethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Trichlorotrifluoroethane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2-Dichloropropane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Methyl Ethyl Ketone		ug/Kg	U	280	120
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1,2-Trichloroethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Trichloroethene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2,3-Trichlorobenzene		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Hexachlorobutadiene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Naphthalene	2900	ug/Kg		56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	o-Xylene	110	ug/Kg	J	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	2-Chlorotoluene		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2-Dichlorobenzene		ug/Kg	U	28	280



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BROOKLYN, NY
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SOILS
SDG: GCB09334**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2,4-Trimethylbenzene	170	ug/Kg	J	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	56	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	1,2,3-Trichloropropane		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	tert-Butylbenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	Isopropylbenzene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8260	8/9/2018	50	p-Isopropyltoluene		ug/Kg	U	28	280
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	130	380
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	170	380
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	94	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	180	300
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Phenol		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	94	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	98	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	110	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Anthracene	1700	ug/Kg		120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	130	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	150	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Pyrene	4400	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Dibenzofuran	730	ug/Kg		110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzo(ghi)perylene	1300	ug/Kg		120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene	1500	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzo(b)fluoranthene	2000	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Fluoranthene	4500	ug/Kg		120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzo(k)fluoranthene	1700	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Acenaphthylene	150	ug/Kg	J	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Chrysene	2600	ug/Kg		130	270



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DATA SUMMARY TABLE
SOILS
SDG: GCB09334**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzo(a)pyrene	1500	ug/Kg		120	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	270	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	76	230
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Dibenz(a,h)anthracene	360	ug/Kg		120	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benz(a)anthracene	2600	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	120	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Aniline		ug/Kg	U	300	300
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	U	760	1900
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	110	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	140	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Acenaphthene	840	ug/Kg		120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	100	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Phenanthrene	5000	ug/Kg		110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	98	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	150	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Fluorene	950	ug/Kg		130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Carbazole	700	ug/Kg		150	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	140	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	140	230
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	120	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	270	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	240	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Naphthalene	760	ug/Kg		110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Methylnaphthalene	330	ug/Kg		110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	110	270



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	180	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Benzidine		ug/Kg	U	220	380
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	180	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	110	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	210	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	120	270
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	130	190
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	760	380
SB1 (8-10) 20180809	CB09334	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	270
SB2 (18-20) 20180809	CB09335	E160.3	8/9/2018	1	SOLIDS, PERCENT	91	%			
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Ethylbenzene	1.9	ug/Kg	J	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Styrene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	cis-1,3-Dichloropropene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	trans-1,3-Dichloropropene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	n-Propylbenzene		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	n-Butylbenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	4-Chlorotoluene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2-Dibromoethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Acrolein		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2-Dichloroethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Acrylonitrile		ug/Kg	U	0.40	16
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	4-Methyl-2-pentanone		ug/Kg	U	4.0	20
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,3,5-Trimethylbenzene	1.3	ug/Kg	J	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Bromobenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Toluene	5.1	ug/Kg		0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Chlorobenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Tetrahydrofuran (THF)		ug/Kg	U	2.0	7.9
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	trans-1,4-dichloro-2-butene		ug/Kg	U	2.0	7.9
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,4-dioxane		ug/Kg	U	32	59
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Dibromochloromethane		ug/Kg	U	0.79	4.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Tetrachloroethene		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	sec-Butylbenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,3-Dichloropropane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	cis-1,2-Dichloroethene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	trans-1,2-Dichloroethene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	0.79	7.9
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	m&p-Xylene	7.8	ug/Kg		0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	2-Isopropyltoluene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Carbon tetrachloride		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1-Dichloropropene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	2-Hexanone		ug/Kg	U	4.0	20
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	2,2-Dichloropropane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.79	16
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Acetone	7.8	ug/Kg	J	4.0	20
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Chloroform		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Benzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1,1-Trichloroethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Bromomethane		ug/Kg	U	1.6	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Chloromethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Dibromomethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Bromochloromethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Chloroethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Vinyl chloride		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Methylene chloride	4.7	ug/Kg		4.0	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Carbon Disulfide		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Bromoform		ug/Kg	UJ	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Bromodichloromethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1-Dichloroethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1-Dichloroethene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Tert-butyl alcohol		ug/Kg	U	16	79
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Trichlorofluoromethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Dichlorodifluoromethane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Trichlorotrifluoroethane		ug/Kg	U	0.40	4.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2-Dichloropropane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Methyl Ethyl Ketone		ug/Kg	U	4.0	24
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1,2-Trichloroethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Trichloroethene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Naphthalene	6.8	ug/Kg		0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	o-Xylene	4.5	ug/Kg		0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	2-Chlorotoluene		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2,4-Trimethylbenzene	5.7	ug/Kg		0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	0.79	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	1,2,3-Trichloropropane		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	tert-Butylbenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	Isopropylbenzene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8260	8/9/2018	1	p-Isopropyltoluene		ug/Kg	U	0.40	4.0
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	120	360
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	160	360
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	88	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	170	290
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Phenol		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	88	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	96	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	98	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	92	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	100	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Anthracene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	130	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	140	180



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Pyrene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Dibenzofuran		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Fluoranthene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Acenaphthylene		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Chrysene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	99	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	71	210
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	120	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	110	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Aniline		ug/Kg	U	290	290
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	U	710	1800
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	100	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	130	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Acenaphthene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	95	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Phenanthrene		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	92	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Fluorene		ug/Kg	U	120	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Carbazole		ug/Kg	U	140	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	130	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	130	210
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	110	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	250	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	230	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Naphthalene		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Methylnaphthalene		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Benzidine		ug/Kg	U	210	360
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	100	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	110	250
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	120	180
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	710	360
SB2 (18-20) 20180809	CB09335	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SB3 (13-15) 20180809	CB09336	E160.3	8/9/2018	1	SOLIDS, PERCENT	92	%			
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Ethylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Styrene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	cis-1,3-Dichloropropene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	trans-1,3-Dichloropropene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	n-Propylbenzene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	n-Butylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	4-Chlorotoluene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2-Dibromoethane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Acrolein		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2-Dichloroethane		ug/Kg	U	0.38	3.8



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Acrylonitrile		ug/Kg	U	0.38	15
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	4-Methyl-2-pentanone		ug/Kg	U	3.8	19
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Bromobenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Toluene	1.1	ug/Kg	J	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Chlorobenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Tetrahydrofuran (THF)		ug/Kg	U	1.9	7.5
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	trans-1,4-dichloro-2-butene		ug/Kg	U	1.9	7.5
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,4-dioxane		ug/Kg	U	30	56
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Dibromochloromethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Tetrachloroethene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	sec-Butylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,3-Dichloropropane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	cis-1,2-Dichloroethene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	trans-1,2-Dichloroethene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	0.75	7.5
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	m&p-Xylene	1.4	ug/Kg	J	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	2-Isopropyltoluene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Carbon tetrachloride		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1-Dichloropropene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	2-Hexanone		ug/Kg	U	3.8	19
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	2,2-Dichloropropane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.75	15
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Acetone	12	ug/Kg	J	3.8	19
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Chloroform		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Benzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1,1-Trichloroethane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Bromomethane		ug/Kg	U	1.5	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Chloromethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Dibromomethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Bromochloromethane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Chloroethane		ug/Kg	U	0.38	3.8



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Vinyl chloride		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Methylene chloride		ug/Kg	U	3.8	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Carbon Disulfide		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Bromoform		ug/Kg	UJ	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Bromodichloromethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1-Dichloroethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1-Dichloroethene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Tert-butyl alcohol		ug/Kg	U	15	75
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Trichlorofluoromethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Dichlorodifluoromethane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Trichlorotrifluoroethane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2-Dichloropropane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Methyl Ethyl Ketone		ug/Kg	U	3.8	23
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1,2-Trichloroethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Trichloroethene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Naphthalene	1.7	ug/Kg	J	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	o-Xylene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	2-Chlorotoluene		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2,4-Trimethylbenzene	1.4	ug/Kg	J	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	0.75	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	1,2,3-Trichloropropane		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	tert-Butylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	Isopropylbenzene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8260	8/9/2018	1	p-Isopropyltoluene		ug/Kg	U	0.38	3.8
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	120	350
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	160	350
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	88	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	160	280



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Phenol		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	87	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	95	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	91	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	100	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Anthracene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	120	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	140	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Pyrene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Dibenzofuran		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Fluoranthene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Acenaphthylene		ug/Kg	U	99	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Chrysene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	98	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	71	210
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	110	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	110	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Aniline		ug/Kg	U	280	280
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	100	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	U	710	1800
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	99	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	130	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Acenaphthene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	94	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Phenanthrene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	91	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Fluorene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Carbazole		ug/Kg	U	140	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	130	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	130	210
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	110	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	250	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	220	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Naphthalene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Methylnaphthalene		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Benzidine		ug/Kg	U	210	350
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	100	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	110	250
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	120	180
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	710	350
SB3 (13-15) 20180809	CB09336	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SB6 (18-20) 20180809	CB09337	E160.3	8/9/2018	1	SOLIDS, PERCENT	91	%			



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Ethylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Styrene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	cis-1,3-Dichloropropene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	trans-1,3-Dichloropropene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	n-Propylbenzene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	n-Butylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	4-Chlorotoluene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2-Dibromoethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Acrolein		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2-Dichloroethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Acrylonitrile		ug/Kg	U	0.43	17
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	4-Methyl-2-pentanone		ug/Kg	U	4.3	22
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Bromobenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Toluene	0.77	ug/Kg	J	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Chlorobenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Tetrahydrofuran (THF)		ug/Kg	U	2.2	8.7
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	trans-1,4-dichloro-2-butene		ug/Kg	U	2.2	8.7
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,4-dioxane		ug/Kg	U	35	65
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Dibromochloromethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Tetrachloroethene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	sec-Butylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,3-Dichloropropane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	cis-1,2-Dichloroethene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	trans-1,2-Dichloroethene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	0.87	8.7
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	m&p-Xylene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	2-Isopropyltoluene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Carbon tetrachloride		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1-Dichloropropene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	2-Hexanone		ug/Kg	U	4.3	22



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	2,2-Dichloropropane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.87	17
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Acetone	6.4	ug/Kg	J	4.3	22
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Chloroform		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Benzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1,1-Trichloroethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Bromomethane		ug/Kg	U	1.7	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Chloromethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Dibromomethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Bromochloromethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Chloroethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Vinyl chloride		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Methylene chloride		ug/Kg	U	4.3	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Carbon Disulfide		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Bromoform		ug/Kg	UJ	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Bromodichloromethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1-Dichloroethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1-Dichloroethene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Tert-butyl alcohol		ug/Kg	U	17	87
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Trichlorofluoromethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Dichlorodifluoromethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Trichlorotrifluoroethane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2-Dichloropropane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Methyl Ethyl Ketone		ug/Kg	U	4.3	26
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1,2-Trichloroethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Trichloroethene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Naphthalene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	o-Xylene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	2-Chlorotoluene		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.43	4.3



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	0.87	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	1,2,3-Trichloropropane		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	tert-Butylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	Isopropylbenzene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8260	8/9/2018	1	p-Isopropyltoluene		ug/Kg	U	0.43	4.3
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	120	360
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	160	360
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	89	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	170	290
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Phenol		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	89	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	97	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	99	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	93	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	110	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Anthracene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	130	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	140	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Pyrene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Dibenzofuran		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Fluoranthene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Acenaphthylene		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Chrysene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	72	220
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	120	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	110	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Aniline		ug/Kg	U	290	290
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	U	720	1800
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	100	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	130	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Acenaphthene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	96	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Phenanthrene		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	93	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Fluorene		ug/Kg	U	120	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Carbazole		ug/Kg	U	140	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	130	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	140	220
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	120	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	250	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	230	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Naphthalene		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Methylnaphthalene		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	180



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Benzidine		ug/Kg	U	210	360
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	100	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	110	250
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	130	180
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	720	360
SB6 (18-20) 20180809	CB09337	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SB7 (18-20) 20180809	CB09338	E160.3	8/9/2018	1	SOLIDS, PERCENT	91	%			
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Ethylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Styrene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	cis-1,3-Dichloropropene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	trans-1,3-Dichloropropene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	n-Propylbenzene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	n-Butylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	4-Chlorotoluene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2-Dibromoethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Acrolein		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2-Dichloroethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Acrylonitrile		ug/Kg	U	0.42	17
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	4-Methyl-2-pentanone		ug/Kg	U	4.2	21
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Bromobenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Toluene	1.1	ug/Kg	J	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Chlorobenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Tetrahydrofuran (THF)		ug/Kg	U	2.1	8.4
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	trans-1,4-dichloro-2-butene		ug/Kg	U	2.1	8.4
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,4-dioxane		ug/Kg	U	33	63
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Dibromochloromethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Tetrachloroethene		ug/Kg	U	0.84	4.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	sec-Butylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,3-Dichloropropane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	cis-1,2-Dichloroethene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	trans-1,2-Dichloroethene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	0.84	8.4
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	m&p-Xylene	1.1	ug/Kg	J	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	2-Isopropyltoluene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Carbon tetrachloride		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1-Dichloropropene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	2-Hexanone		ug/Kg	U	4.2	21
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	2,2-Dichloropropane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	0.84	17
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Acetone	5.4	ug/Kg	J	4.2	21
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Chloroform		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Benzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1,1-Trichloroethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Bromomethane		ug/Kg	U	1.7	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Chloromethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Dibromomethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Bromochloromethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Chloroethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Vinyl chloride		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Methylene chloride		ug/Kg	U	4.2	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Carbon Disulfide		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Bromoform		ug/Kg	UJ	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Bromodichloromethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1-Dichloroethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1-Dichloroethene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Tert-butyl alcohol		ug/Kg	U	17	84
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Trichlorofluoromethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Dichlorodifluoromethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Trichlorotrifluoroethane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2-Dichloropropane		ug/Kg	U	0.84	4.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Methyl Ethyl Ketone		ug/Kg	U	4.2	25
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1,2-Trichloroethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Trichloroethene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2,3-Trichlorobenzene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Naphthalene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	o-Xylene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	2-Chlorotoluene		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2,4-Trimethylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	0.84	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	1,2,3-Trichloropropane		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	tert-Butylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	Isopropylbenzene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8260	8/9/2018	1	p-Isopropyltoluene		ug/Kg	U	0.42	4.2
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	120	360
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	160	360
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	90	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	170	290
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Phenol		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	89	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	94	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	110	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Anthracene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	130	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	140	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250



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SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Pyrene		ug/Kg	U	130	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Dibenzofuran		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Fluoranthene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Acenaphthylene		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Chrysene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	73	220
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	120	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	110	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Aniline		ug/Kg	U	290	290
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	UJ	730	1800
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	100	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	140	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Acenaphthene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	97	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Phenanthrene		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	94	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Fluorene		ug/Kg	U	120	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Carbazole		ug/Kg	U	150	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	130	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	140	220
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	120	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	250	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	230	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Naphthalene		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Methylnaphthalene		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Benzidine		ug/Kg	UJ	210	360
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	100	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	110	250
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	130	180
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	730	360
SB7 (18-20) 20180809	CB09338	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SB8 (18-20) 20180809	CB09339	E160.3	8/9/2018	1	SOLIDS, PERCENT	92	%			
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Styrene		ug/Kg	U	620	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	cis-1,3-Dichloropropene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	trans-1,3-Dichloropropene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	4-Chlorotoluene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,4-Dichlorobenzene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2-Dibromoethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Acrolein		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2-Dichloroethane		ug/Kg	U	39	39
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Acrylonitrile		ug/Kg	U	39	1600
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	4-Methyl-2-pentanone		ug/Kg	U	390	1900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Bromobenzene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Chlorobenzene		ug/Kg	U	39	390



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SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Tetrahydrofuran (THF)		ug/Kg	U	190	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	trans-1,4-dichloro-2-butene		ug/Kg	U	190	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2,4-Trichlorobenzene		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,4-dioxane		ug/Kg	U	3100	3100
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Dibromochloromethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Tetrachloroethene		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,3-Dichloropropane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	cis-1,2-Dichloroethene		ug/Kg	U	39	250
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	trans-1,2-Dichloroethene		ug/Kg	U	39	190
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	78	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	2-Isopropyltoluene	340	ug/Kg	J	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,3-Dichlorobenzene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Carbon tetrachloride		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1-Dichloropropene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	2-Hexanone		ug/Kg	U	390	1900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	2,2-Dichloropropane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	78	1600
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Acetone		ug/Kg	U	390	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Chloroform		ug/Kg	U	39	370
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1,1-Trichloroethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Bromomethane		ug/Kg	U	160	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Chloromethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Dibromomethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Bromochloromethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Chloroethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Vinyl chloride		ug/Kg	U	39	39
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Methylene chloride		ug/Kg	U	390	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Carbon Disulfide		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Bromoform		ug/Kg	UJ	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Bromodichloromethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1-Dichloroethane		ug/Kg	U	78	270
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1-Dichloroethene		ug/Kg	U	39	330
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Tert-butyl alcohol		ug/Kg	U	1600	7800
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Trichlorofluoromethane		ug/Kg	U	78	390



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Dichlorodifluoromethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Trichlorotrifluoroethane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2-Dichloropropane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Methyl Ethyl Ketone		ug/Kg	U	160	160
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1,2-Trichloroethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Trichloroethene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2,3-Trichlorobenzene		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	Hexachlorobutadiene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	2-Chlorotoluene		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2-Dichlorobenzene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	78	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	1,2,3-Trichloropropane		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	tert-Butylbenzene		ug/Kg	U	39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	50	p-Isopropyltoluene	1300	ug/Kg		39	390
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	n-Propylbenzene	29000	ug/Kg		780	3900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	n-Butylbenzene	6600	ug/Kg		390	3900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	sec-Butylbenzene	3200	ug/Kg		390	3100
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	Naphthalene	21000	ug/Kg		780	3900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	o-Xylene	130000	ug/Kg		780	3900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	500	Isopropylbenzene	9900	ug/Kg		390	3900
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	Ethylbenzene	86000	ug/Kg		780	1000
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	1,3,5-Trimethylbenzene	52000	ug/Kg		780	7800
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	Toluene	250000	ug/Kg		780	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	m&p-Xylene	310000	ug/Kg		1600	7800
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	Benzene	1200	ug/Kg		780	780
SB8 (18-20) 20180809	CB09339	SW8260	8/9/2018	1000	1,2,4-Trimethylbenzene	180000	ug/Kg		780	3600
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Nitroaniline		ug/Kg	U	120	360
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Nitrophenol		ug/Kg	U	160	360
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4-Dimethylphenol		ug/Kg	U	88	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,4-Dichlorobenzene		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Chloroaniline		ug/Kg	U	170	280
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Phenol		ug/Kg	U	110	250



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB09334**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Pyridine		ug/Kg	U	88	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Bis(2-chloroethyl)ether		ug/Kg	U	96	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Bis(2-chloroethoxy)methane		ug/Kg	U	98	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Di-n-octylphthalate		ug/Kg	U	92	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Hexachlorobenzene		ug/Kg	U	100	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Anthracene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,2,4-Trichlorobenzene		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4-Dichlorophenol		ug/Kg	U	130	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4-Dinitrotoluene		ug/Kg	U	140	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,2-Diphenylhydrazine		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Pyrene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Dimethylphthalate		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Dibenzofuran		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Fluoranthene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Acenaphthylene		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Chrysene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	99	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	71	210
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	120	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,3-Dichlorobenzene		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,6-Dinitrotoluene		ug/Kg	U	110	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Aniline		ug/Kg	U	280	280
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzoic acid		ug/Kg	U	710	1800



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Hexachloroethane		ug/Kg	U	110	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Isophorone		ug/Kg	U	100	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Pentachloronitrobenzene		ug/Kg	U	130	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Acenaphthene		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Diethyl phthalate		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Di-n-butylphthalate		ug/Kg	U	95	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Phenanthrene	130	ug/Kg	J	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzyl butyl phthalate		ug/Kg	U	92	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	N-Nitrosodiphenylamine		ug/Kg	U	140	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Fluorene		ug/Kg	U	120	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Carbazole		ug/Kg	U	140	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Hexachlorobutadiene		ug/Kg	U	130	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Pentachlorophenol		ug/Kg	UJ	130	210
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4,6-Trichlorophenol		ug/Kg	U	110	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Nitroaniline		ug/Kg	U	250	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Nitrophenol		ug/Kg	U	230	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Naphthalene	2900	ug/Kg		100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Methylnaphthalene	3900	ug/Kg		110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Chloronaphthalene		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	3,3'-Dichlorobenzidine		ug/Kg	U	170	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Benzidine		ug/Kg	U	210	360
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,2-Dichlorobenzene		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2-Chlorophenol		ug/Kg	U	100	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Acetophenone		ug/Kg	U	110	250
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	Nitrobenzene		ug/Kg	U	120	180
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	3-Nitroaniline		ug/Kg	U	710	360
SB8 (18-20) 20180809	CB09339	SW8270	8/9/2018	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
SB3 (0-2) 20180809	CB09340	E160.3	8/9/2018	1	SOLIDS, PERCENT	92	%			
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Aluminum	9320	mg/Kg		7.1	35



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Iron	21900	mg/Kg	J+	35	35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Lead	240	mg/Kg		3.5	7.1
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Magnesium	5980	mg/Kg		35	35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Manganese	385	mg/Kg		3.5	3.5
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Zinc	159	mg/Kg		3.5	7.1
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	10	Calcium	14100	mg/Kg		32	35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Nickel	26.0	mg/Kg		0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Potassium	1490	mg/Kg		2.8	7
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Silver		mg/Kg	U	0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Sodium	567	mg/Kg		3.0	7
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Thallium		mg/Kg	U	1.4	1.4
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Antimony		mg/Kg	U	3.5	3.5
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Arsenic	4.21	mg/Kg		0.71	0.71
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Barium	169	mg/Kg		0.35	0.7
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Beryllium	0.48	mg/Kg		0.14	0.28
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Cadmium	0.63	mg/Kg		0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Chromium	23.9	mg/Kg		0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Cobalt	8.39	mg/Kg		0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Copper	29.0	mg/Kg		0.35	0.7
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Vanadium	32.3	mg/Kg		0.35	0.35
SB3 (0-2) 20180809	CB09340	SW6010	8/9/2018	1	Selenium		mg/Kg	U	1.2	1.4
SB3 (0-2) 20180809	CB09340	SW7471	8/9/2018	1	Mercury	0.36	mg/Kg		0.02	0.03
SB5 (0-2) 20180809	CB09341	E160.3	8/9/2018	1	SOLIDS, PERCENT	91	%			
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Aluminum	6160	mg/Kg		7.4	37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Iron	17300	mg/Kg	J+	37	37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Lead	817	mg/Kg		3.7	7.4
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Magnesium	10500	mg/Kg		37	37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Manganese	319	mg/Kg		3.7	3.7
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Zinc	490	mg/Kg		3.7	7.4
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	10	Calcium	53800	mg/Kg		34	37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Nickel	18.1	mg/Kg		0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Potassium	1150	mg/Kg		2.9	7
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Silver		mg/Kg	U	0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Sodium	383	mg/Kg		3.2	7



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SDG: GCB09334**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Thallium		mg/Kg	U	1.5	1.5
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Antimony		mg/Kg	U	3.7	3.7
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Arsenic	8.83	mg/Kg		0.74	0.74
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Barium	799	mg/Kg		0.37	0.7
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Beryllium	0.33	mg/Kg		0.15	0.30
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Cadmium	1.02	mg/Kg		0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Chromium	22.9	mg/Kg		0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Cobalt	8.29	mg/Kg		0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Copper	61.3	mg/Kg		0.37	0.7
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Vanadium	22.6	mg/Kg		0.37	0.37
SB5 (0-2) 20180809	CB09341	SW6010	8/9/2018	1	Selenium		mg/Kg	U	1.3	1.5
SB5 (0-2) 20180809	CB09341	SW7471	8/9/2018	1	Mercury	0.87	mg/Kg		0.02	0.03
SB8 (0-2) 20180809	CB09342	E160.3	8/9/2018	1	SOLIDS, PERCENT	92	%			
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	10	Aluminum	8660	mg/Kg		7.2	36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	10	Iron	19100	mg/Kg	J+	36	36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	10	Manganese	627	mg/Kg		3.6	3.6
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Lead	93.1	mg/Kg		0.36	0.7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Magnesium	3520	mg/Kg		3.6	3.6
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Nickel	17.9	mg/Kg		0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Potassium	1300	mg/Kg		2.8	7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Silver		mg/Kg	U	0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Sodium	415	mg/Kg		3.1	7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Thallium		mg/Kg	U	1.4	1.4
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Antimony		mg/Kg	U	3.6	3.6
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Arsenic	2.76	mg/Kg		0.72	0.72
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Barium	76.8	mg/Kg		0.36	0.7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Beryllium	0.44	mg/Kg		0.14	0.29
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Cadmium	0.51	mg/Kg		0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Chromium	20.1	mg/Kg		0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Cobalt	7.41	mg/Kg		0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Copper	31.5	mg/Kg		0.36	0.7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Vanadium	29.0	mg/Kg		0.36	0.36
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Zinc	89.8	mg/Kg		0.36	0.7
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Calcium	8010	mg/Kg		3.3	3.6



1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB09334

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (0-2) 20180809	CB09342	SW6010	8/9/2018	1	Selenium		mg/Kg	U	1.2	1.4
SB8 (0-2) 20180809	CB09342	SW7471	8/9/2018	1	Mercury	0.11	mg/Kg		0.02	0.03

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCB69102
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
SB8 (20-22)	CB69102	10/09/2018	SVOC	Soil
SB8 (22-24)	CB69103	10/09/2018	SVOC	Soil

Summary - Data validation was performed on two (2) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 10/09/2018 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 10/10/2018 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 10/10/2018 (CHEM04) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 10/10/2018 were within acceptance limits listed in Table 2 in SOP HW-35A.

Qualification: None required.

Surrogates –Surrogate %R values were within the QC acceptance limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the six internal standards.

Qualification: None required.

Method Blank (MB) – Method Blank (CB68337 BLANK)-Scan associated with the soil samples extracted on 10/10/2018 and analyzed on 10/10/2018 was free of contamination.

Qualification: None required.

Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

Qualification: None required.

Field Duplicate – A soil duplicate pair was not submitted with this SDG.

Qualification: None Required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were not performed on a sample from this SDG.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: SB8 (20-22) (CB69102)

Naphthalene

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

%Solids=94

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{213942 \times 40 \times 1 \times 1000}{1040015 \times 0.965 \times 15.00 \times 0.94} = 604.74 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Naphthalene	600	600	0.0

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCB69102 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCB69102
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
SB8 (20-22)	CB69102	10/09/2018	VOC	Soil
SB8 (22-24)	CB69103	10/09/2018	VOC	Soil

Summary - Data validation was performed on two (2) soil samples blanks from 1015 Atlantic Ave, Brooklyn, NY on 10/09/2018 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 10/10/2018 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 09/05/2018 (CHEM3) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 10/11/2018 were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates –All surrogate percent recoveries were within the control limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – MS/MSD were not performed on a sample from this SDG.

Qualification: None required.

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank was not submitted with this sample set.

Qualification: None required.

Field Duplicate — A soil duplicate pair was not submitted with this SDG.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation –Analyte non-detections were reported as “U”; these results should be considered the equivalent of “PQL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

- All sample results were reported within the linear calibration range.
- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

SB8 (20-22) (CB69102)

Toluene

Sample weight= 10.38g
Volume purged=10.623ml
DF = 1
%Solid = 94%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{40532 \times 50 \times 50 \times 10.623}{605348 \times 0.674 \times 10.38 \times 0.94} = 270.39 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Toluene	270	270	0.0

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCB69102 at the end of the data validation report.



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB69102**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (20-22) 20181009	CB69102	E160.3	10/9/2018	1	SOLIDS, PERCENT	94	%			
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Ethylbenzene	330	ug/Kg		27	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	n-Propylbenzene	250	ug/Kg		54	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	n-Butylbenzene	110	ug/Kg		27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Acrolein		ug/Kg	U	54	270
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Acrylonitrile		ug/Kg	U	27	1100
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	1,3,5-Trimethylbenzene	530	ug/Kg		27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Toluene	270	ug/Kg		27	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	1,4-dioxane		ug/Kg	U	2200	2200
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	sec-Butylbenzene	45	ug/Kg	J	27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Methyl t-Butyl Ether (MTBE)		ug/Kg	U	54	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	m&p-Xylene	1400	ug/Kg		54	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	54	1100
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Acetone		ug/Kg	U	49	49
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Benzene		ug/Kg	U	27	60
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Tert-butyl alcohol		ug/Kg	U	1100	5400
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Naphthalene	340	ug/Kg		54	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	o-Xylene	550	ug/Kg		54	110
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	1,2,4-Trimethylbenzene	1800	ug/Kg		27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	tert-Butylbenzene		ug/Kg	U	27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	Isopropylbenzene	67	ug/Kg		27	54
SB8 (20-22) 20181009	CB69102	SW8260	10/9/2018	50	p-Isopropyltoluene		ug/Kg	U	27	54
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Anthracene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Pyrene	180	ug/Kg	J	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	110	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Fluoranthene	190	ug/Kg	J	110	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Acenaphthylene		ug/Kg	U	99	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Chrysene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Benzo(a)pyrene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	110	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Acenaphthene		ug/Kg	U	110	250



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB69102**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Phenanthrene	110	ug/Kg	J	100	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Fluorene		ug/Kg	U	120	250
SB8 (20-22) 20181009	CB69102	SW8270	10/9/2018	1	Naphthalene	600	ug/Kg		100	250
SB8 (22-24) 20181009	CB69103	E160.3	10/9/2018	1	SOLIDS, PERCENT	95	%			
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Ethylbenzene	0.53	ug/Kg	J	0.51	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	n-Propylbenzene		ug/Kg	U	1.0	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	n-Butylbenzene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Acrolein		ug/Kg	U	1.0	5.1
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Acrylonitrile		ug/Kg	U	0.51	20
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	1,3,5-Trimethylbenzene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Toluene	1.5	ug/Kg	J	0.51	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	1,4-dioxane		ug/Kg	U	41	77
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	sec-Butylbenzene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Methyl t-Butyl Ether (MTBE)		ug/Kg	U	1.0	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	m&p-Xylene	1.9	ug/Kg	J	1.0	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Acetone		ug/Kg	U	5.1	10
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Benzene		ug/Kg	U	0.51	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Tert-butyl alcohol		ug/Kg	U	20	100
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Naphthalene		ug/Kg	U	1.0	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	o-Xylene		ug/Kg	U	1.0	2.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	1,2,4-Trimethylbenzene	0.71	ug/Kg	J	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	tert-Butylbenzene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	Isopropylbenzene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8260	10/9/2018	1	p-Isopropyltoluene		ug/Kg	U	0.51	1.0
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Anthracene		ug/Kg	U	110	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Pyrene		ug/Kg	U	120	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Benzo(ghi)perylene		ug/Kg	U	110	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Fluoranthene		ug/Kg	U	110	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Acenaphthylene		ug/Kg	U	97	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Chrysene		ug/Kg	U	120	240
SB8 (22-24) 20181009	CB69103	SW8270	10/9/2018	1	Benzo(a)pyrene		ug/Kg	U	110	240



1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCB69102

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Dibenz(a,h)anthracene		ug/Kg	U	110	240
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Benz(a)anthracene		ug/Kg	U	120	240
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Acenaphthene		ug/Kg	U	110	240
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Phenanthrene		ug/Kg	U	99	240
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Fluorene		ug/Kg	U	110	240
SB8 (22-24)_20181009	CB69103	SW8270	10/9/2018	1	Naphthalene		ug/Kg	U	100	240

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	SVOC	Soil
19B1 (23-25)	CF29956	02/10/2020	SVOC	Soil
19B2 (0-4)	CF29957	02/10/2020	SVOC	Soil
19B2 (23-25)	CF29958	02/10/2020	SVOC	Soil
19B6 (0-4)	CF29959	02/10/2020	SVOC	Soil
19B6 (23-25)	CF29960	02/10/2020	SVOC	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	SVOC	Soil

Summary - Data validation was performed on seven (7) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 01/19/2020 (CHEM36) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 2/11-12/2020 were within acceptance limits listed in Table 2 in SOP HW-35A

with the exception of 2-methylphenol, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4,6-dinitro-2-methylphenol.

Qualification: Non-detect results for 2-methylphenol, hexachlorocyclopentadiene, 2,4-dinitrophenol, and 4,6-dinitro-2-methylphenol were qualified as estimated (UJ) in all field samples in this SDG.

Surrogates – Surrogate %R values were within the QC acceptance limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the six internal standards with the exception of acenaphthene-d10, 1,4-naphthalene-d8, phenanthrene-d10, chrysene-d12, and perylene-d12 in sample Soil Duplicate 2 and acenaphthene-d10, phenanthrene-d10, chrysene-d12, perylene-d12 in samples 19B2 (23-25) and acenaphthene-d10, phenanthrene-d10, and chrysene-d12 in samples 19B6 (23-25). Results in sample 19B6 (23-25) were non-detect.

Qualification: All non-detect results for Soil Duplicate 2 sample were qualified as estimated (UJ). Results for pyrene, fluoranthene, and phenanthrene were qualified as estimated bias high (J+) in sample 19B2 (23-25).

Method Blank (MB) – Method Blank (CF29961 BLANK)-Scan associated with the soil samples extracted on 02/11/2020 and analyzed on 02/11/2020 was free of contamination.

Qualification: None required.

Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). FD sample results were non-detect.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS was performed on sample Soil Duplicate 2 (CF29961). All %RECs were within the laboratory control limits with the exception of benzaldehyde (18% %R).

Qualification: Non-detect result for benzaldehyde was qualified as estimated (UJ) in Soil Duplicate 2 sample.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: 19B4 (0-4') (CF29346)

Phenanthrene

Sample weight= 15.09g

Volume purged=1.0ml

DF = 1

%Solids=91

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{928725 \times 40 \times 1 \times 1000}{3127716 \times 1.126 \times 15.09 \times 0.91} = 768.16 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Phenanthrene	770	770	0.0

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
 - Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.
- Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/24/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	VOC	Soil
19B1 (23-25)	CF29956	02/10/2020	VOC	Soil
19B2 (0-4)	CF29957	02/10/2020	VOC	Soil
19B2 (23-25)	CF29958	02/10/2020	VOC	Soil
19B6 (0-4)	CF29959	02/10/2020	VOC	Soil
19B6 (23-25)	CF29960	02/10/2020	VOC	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	VOC	Soil
Trip Blank High	CF29962	02/10/2020	VOC	Trip Blank
Trip Blank Low	CF29963	02/10/2020	VOC	Trip Blank

Summary - Data validation was performed on seven (7) soil samples and two (2) trip blanks from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 01/28/2020 (CHEM03) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 02/12/2020 were within acceptance limits for all target VOCs.

Qualification: None required.

- The %D for the CCVs analyzed and reported with these samples on 02/13/2020 were within acceptance limits for VOCs.

Qualification: None required.

Surrogates –All surrogate percent recoveries were within the control limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – MS/MSD were not performed on a sample from this SDG.

Qualification: None required.

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank Low (Lab Sample ID: CF29955) was submitted with this sample set. Target VOCs were non-detect in the Trip Blank Low sample.

Qualification: None required.

– Trip Blank High (Lab Sample ID: CF29962) was submitted with this sample set. VOCs were non-detect in the HL TB sample.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). The FD sample results for detected VOCs in the FD sample pair are summarized in the table below. Calculated %RPDs between detected FD sample results were < 50% (see below). Acetone was detected in the field sample but was non-detect in the field duplicate sample.

Lab Sample ID	CF29960		CF29961		
Client Sample ID	19B6 (23-25)		Soil Duplicate 2		
Collection Date	2/10/2020		2/10/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
Acetone	13	J	ND	U	NC

Qualification: Results for acetone in the field duplicate pair were qualified as estimated (J/UJ).

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation –Analyte non-detections were reported as “U”; these results should be considered the equivalent of “PQL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

- All sample results were reported within the linear calibration range.
- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.

Ais = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

19B1 (23-25) (CF29956)

Benzene

Sample weight= 4.86g

Volume purged=5.0ml

DF = 1

%Solid = 96%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{9307 \times 50 \times 1 \times 5.0}{539207 \times 1.069 \times 4.86 \times 0.96} = 0.865 \mu\text{g/kg}$$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Benzene	0.87	0.87	0.0

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	PCB	Soil
19B1 (23-25)	CF29956	02/10/2020	PCB	Soil
19B2 (0-4)	CF29957	02/10/2020	PCB	Soil
19B2 (23-25)	CF29958	02/10/2020	PCB	Soil
19B6 (0-4)	CF29959	02/10/2020	PCB	Soil
19B6 (23-25)	CF29960	02/10/2020	PCB	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	PCB	Soil

Summary - Data validation was performed on seven (7) soil samples collected from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for PCBs by SW-846 Method 8082 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 01/29/2020 (ECD1) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 02/05/2020 (ECD29) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 02/04/2020 (ECD48) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 01/23/2020 (ECD8) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 02/14/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

– All CCVs analyzed on 02/14/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

– All CCVs analyzed on 02/13-14/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

– All CCVs analyzed on 02/13/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF29956 BL) associated with the soil samples extracted on 02/12/2020 and analyzed on 02/13/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF29956 were analyzed on 02/13/2020. All %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). The results for detected PCBs were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B1 (23-25') (CF29956). All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

CF29956 LCS

Aroclor-1016

On Column concentration (B)= 409.343ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

Concentration (µg/kg) (dry) = $\frac{409.343\text{ng} \times 10\text{ml} \times 5}{15.0\text{g}} = 1364.48\mu\text{g/kg}$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1016	1360	1360	0.0

Data Review Summary – The PCBs results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES

USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	Pesticides	Soil
19B1 (23-25)	CF29956	02/10/2020	Pesticides	Soil
19B2 (0-4)	CF29957	02/10/2020	Pesticides	Soil
19B2 (23-25)	CF29958	02/10/2020	Pesticides	Soil
19B6 (0-4)	CF29959	02/10/2020	Pesticides	Soil
19B6 (23-25)	CF29960	02/10/2020	Pesticides	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	Pesticides	Soil

Summary - Data validation was performed on seven (7) soil samples collected from 1015 Atlantic Ave, Brooklyn, Bronx, NY on 02/10/2020 and submitted for Pesticides by SW-846 Method 8081 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/ECD Instrument Performance Check – 4,4'-DDT and Endrin breakdown exhibited acceptable results.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 02/11/2020 (ECD4) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 02/13-14/2020 exhibited acceptable %Ds for all compounds on reporting column.

Qualification: None required.

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF29956 BL) associated with the soil samples extracted on 02/12/2020 and analyzed on 02/13/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF29956 LCS was analyzed on 02/13/2020. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). The results for pesticides were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B1 (23-25) (CF29956). All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

–Sample confirmation %D for all samples was <40%.

Qualification: None required.

Manual Calculation

CF29956 LCS

Alpha-BHC

On Column concentration (A) = 39.6872ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{39.6872\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 26.458 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-BHC	26.5	26.5	0.0

Data Review Summary – The pesticide results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/24/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	Metals	Soil
19B1 (23-25)	CF29956	02/10/2020	Metals	Soil
19B2 (0-4)	CF29957	02/10/2020	Metals	Soil
19B2 (23-25)	CF29958	02/10/2020	Metals	Soil
19B6 (0-4)	CF29959	02/10/2020	Metals	Soil
19B6 (23-25)	CF29960	02/10/2020	Metals	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	Metals	Soil

Summary - Data validation was performed on seven (7) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for the following analyses:

- 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
- 1.2 Mercury by SW-846 Method 7471A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES.

Qualification: None required.

– All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis.

Qualification: None required.

Initial and Continuing Calibration Verification (ICV and CCV) – ICP-AES – All %RECs in the ICV and CCVs were within QC limits.

Qualification: None required.

Mercury – All correlation coefficient for Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs %REC values were within the QC limits.

Qualification: None required.

CRQL Check Standard (CRI) – Iron and mercury were outside the control limits. Remaining CRI analyzed %RECs were within the control limits.

Qualification: Mercury in samples 19B1 (0-4), 19B2 (0-4), and 19B6 (0-4) were qualified as estimated bias low (J-) and non-detect results were qualified as estimated (UJ) in samples 19B1 (23-25), 19B2 (23-25), 19B6 (23-25), and Soil Duplicate 2. Iron was qualified as estimated bias high (J+) in samples 19B1 (0-4), 19B1 (23-25), 19B2 (0-4), 19B2 (23-25), and 19B6 (0-4); and estimated (J) in samples 19B6 (23-25), and Soil Duplicate 2.

ICP-AES Interference Check Sample – All %REC values were within the QC limits for ICSA and ICSAB.

Qualification: None required.

Blanks (Method Blank, ICB and CCB) – ICP-AES Method Blank-Soil (CF29955) digested on 02/11/2020 was free of contamination.

Qualification: None required.

– All ICB and CCBs were free of contamination.

Qualification: None required.

– Mercury – All ICB and CCBs were free of contamination.

Qualification: None required.

–Mercury – Method Blank (CF30125 BLK) digested on 02/12/2020 was free of contamination.

Qualification: None required.

Field Blank (FB) and Equipment Blank (EB) – Field Blanks were not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – ICP-AES and Mercury – Laboratory Control Sample %RECs were within the laboratory control limits with the exception of antimony (51.6%).

Qualification: Non-detect results for antimony in samples 19B1 (0-4), 19B1 (23-25), 19B2 (0-4), 19B2 (23-25), 19B6 (0-4), 19B6 (23-25), and Soil Duplicate 2 were qualified as estimated (UJ).

Field Duplicate — One field duplicate pair was included in this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). Cadmium, iron, and manganese had a calculated %RPD > 50% for the duplicate pair. The FD sample results are summarized in the table below.

Client Sample ID:	19B6 (23-25)		Soil Duplicate		
Lab Sample ID:	CF29960		CF29961		
Date Sampled:	02/10/2020		02/10/2020		
	Result (mg/Kg)		Result (mg/Kg)		RPD (%)
Aluminum	3750		3350		11.3
Arsenic	1.07		1.75		48.2
Barium	30.8		35.0		12.8
Beryllium	0.22	J	0.31		34.0
Cadmium	0.66		1.62		84.2
Calcium	1470		1430		2.8
Chromium	13.1		11.3		14.8
Cobalt	5.78		5.88		1.7
Copper	16.6		22.9		31.9
Iron	11500	J	35600	J	102.3
Lead	4.5		6.4		34.9
Magnesium	2390		1780		29.3
Manganese	300		994		107.3
Nickel	28.2		33.1		16.0
Potassium	768		686		11.3
Sodium	181		188		3.8
Vanadium	19.9		21.6		8.2
Zinc	26.3		35.4		29.5

Qualification: Results for cadmium, iron, and manganese in the field duplicate pair (19B6 (23-25) and Duplicate) were qualified as estimated (J).

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) –Mercury/ICP-AES – Matrix Spike (MS) was performed on sample 19B1 (0-4) (GCF29955). %RECs were within the laboratory control limits with the exception of potassium.

Qualification: Result for potassium was qualified as estimated bias high (J+) in sample 19B1 (0-4).

–Mercury – Matrix Spike (MS) was not performed on a sample from this SDG.

Qualification: None required.

Sample Duplicate – ICP-AES and Mercury – Mercury/ICP-AES – Laboratory Duplicate was performed on a sample 19B1 (0-4) (GCF29955). RPD was within laboratory control limits.

Qualification: None required.

– Mercury – Laboratory Duplicate was not performed on a sample from this SDG.

Qualification: None required.

ICP-AES Serial Dilution – ICP serial dilution was performed on dissolved sample 19B1 (0-4) (GCF29955). For all results for which the concentration in the original sample is $\geq 50\times$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$).

Qualification: None required.

Verification of Instrumental Parameters – The following Forms were present in the data package:

- Method Detection Limits, Form- X.
- ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
- ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were $>50\%$.

Qualification: None required.

Manual calculation

Sample: 19B1 (0-4) (CF29955)

Barium

Concentration (mg/Kg) (dry wt.)= $\frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$

V= 50ml
W= 0.73g
%Solids =91
DF=1.0

Concentration (mg/Kg) (dry wt.)= $\frac{997.911\text{ug/L} \times 50 \times 1.0 \times 1\text{L} \times 1000\text{gx} 1\text{mg}}{0.73 \times 0.91 \times 1000\text{ml} \times 1 \text{ kg} \times 1000\text{ug}}$ = 75.11 mg/kg

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	75.1	75.1	0.0

Data Review Summary – The trace metal results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Trace Metals data package requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-DIOXANE)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29955
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/23/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	CF29955	02/10/2020	SVOC	Soil
19B1 (23-25)	CF29956	02/10/2020	SVOC	Soil
19B2 (0-4)	CF29957	02/10/2020	SVOC	Soil
19B2 (23-25)	CF29958	02/10/2020	SVOC	Soil
19B6 (0-4)	CF29959	02/10/2020	SVOC	Soil
19B6 (23-25)	CF29960	02/10/2020	SVOC	Soil
SOIL DUPLICATE 2	CF29961	02/10/2020	SVOC	Soil

Summary - Data validation was performed on the data for seven (7) soil samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for Semi-Volatile Organic (SVOC) SIMs analysis for 1,4-dioxane by SW846 Method 8270C SIM. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 11/13/2019 (CHEM33)-SIM Scan for 1,4-dioxane exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV)– CCV analyzed on 02/11-12/2020 (CHEM33)-SIM scan for 1,4-dioxane exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Surrogates – Surrogate %REC values were within the QC acceptance limits.

Qualification: None required.

Internal Standard (IS) Area Performance – All samples exhibited acceptable area count for the internal standard for 1,4-dioxane.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB)– Method Blank (CF29349 BLANK)-Scan for 1,4-dioxane associated with the soil samples extracted on 02/11/2020 and analyzed on 02/12/2020 was free of contamination.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate 2 (Lab Sample ID: CF29961) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: CF29960). The results for 1,4-dioxane were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were not performed on a sample from this SDG.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF = 1

V = Volume for liquids in ml, weight for soils/solids in grams.

VE = final volume of concentrated extract

Sample: CF29349 LCS

1,4-Dioxane

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{49553 \times 100 \times 1 \times 1000}{99661 \times 1.121 \times 15.00} = 2956.98 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/Kg}$)	Validation ($\mu\text{g/Kg}$)	%D
1,4-Dioxane	2957	2957	0.0

Data Review Summary –The 1,4-dioxane results reported in this SDG are acceptable as reported and may be used for their intended purpose.

–1,4-dioxane data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29955 at the end of the data validation report.



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29955**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4) 20200210	CF29955	E160.3	2/10/2020	1	SOLIDS, PERCENT	91	%		0	0
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	10	Aluminum	8880	mg/Kg		7.5	38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.8	3.8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Arsenic	3.21	mg/Kg		0.75	0.75
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Barium	75.1	mg/Kg		0.38	0.8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Beryllium	0.45	mg/Kg		0.15	0.30
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Cadmium	1.43	mg/Kg		0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	10	Calcium	21700	mg/Kg		35	38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Chromium	19.3	mg/Kg		0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Cobalt	8.24	mg/Kg		0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Copper	26.7	mg/Kg		0.38	0.8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	10	Iron	21300	mg/Kg	J+	38	38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Lead	100	mg/Kg		0.38	0.8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	10	Magnesium	8590	mg/Kg		38	38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	10	Manganese	400	mg/Kg		3.8	3.8
19B1 (0-4) 20200210	CF29955	SW7471	2/10/2020	2	Mercury	0.14	mg/Kg	J-	0.02	0.03
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Nickel	23.3	mg/Kg		0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Potassium	1240	mg/Kg	J+	2.9	8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.3	1.5
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Sodium	786	mg/Kg		3.2	8
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Vanadium	28.6	mg/Kg		0.38	0.38
19B1 (0-4) 20200210	CF29955	SW6010	2/10/2020	1	Zinc	107	mg/Kg		0.38	0.8
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.6	3.6
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.2	2.2
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.6	3.6
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.6	3.6
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	36	36
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.5	1.5



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29955**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.6	3.6
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endrin		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	36	36
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.2	2.2
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.2	2.2
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	150	150
19B1 (0-4) 20200210	CF29955	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	7.3	7.3
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	73	73
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Ethylbenzene	2.1	ug/Kg	J	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.56	22
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.6	28
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Toluene	5.1	ug/Kg	J	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.56	5.6



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29955**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	m&p-Xylene	22	ug/Kg		1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	5.6	28
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	22
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Acetone	18	ug/Kg	J	5.6	28
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Benzene	1.4	ug/Kg	J	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.2	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	5.6	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	22	110
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	5.6	34
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	5.6	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	o-Xylene	8.9	ug/Kg		1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.6
19B1 (0-4) 20200210	CF29955	SW8260	2/10/2020	1	Isopropylbenzene	1.3	ug/Kg	J	0.56	5.6
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	120	1800



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29955**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	250	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	90	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	170	730
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Phenol		ug/Kg	U	120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	94	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Anthracene	170	ug/Kg	J	120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Pyrene	1100	ug/Kg		130	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	95	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzo(ghi)perylene	390	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene	420	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzo(b)fluoranthene	500	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Fluoranthene	1200	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzo(k)fluoranthene	450	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	100	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Chrysene	570	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzo(a)pyrene	620	ug/Kg		120	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	250	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	120	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benz(a)anthracene	580	ug/Kg		120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	110	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	100	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	97	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Phenanthrene	770	ug/Kg		100	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	94	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	120	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	180	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	140	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	230	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	170	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	100	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	250
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	250	730
19B1 (0-4) 20200210	CF29955	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B1 (0-4) 20200210	CF29955	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	72	72
19B1 (23-25) 20200210	CF29956	E160.3	2/10/2020	1	SOLIDS, PERCENT	96	%		0	0
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	10	Aluminum	4790	mg/Kg		7.2	36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.6	3.6
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Arsenic	2.05	mg/Kg		0.72	0.72
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Barium	38.5	mg/Kg		0.36	0.7
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Beryllium	0.39	mg/Kg		0.14	0.29



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19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Cadmium	0.96	mg/Kg		0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Calcium	1830	mg/Kg		3.3	3.6
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Chromium	14.5	mg/Kg		0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Cobalt	7.68	mg/Kg		0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Copper	22.6	mg/Kg		0.36	0.7
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	10	Iron	18600	mg/Kg	J+	36	36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Lead	38.1	mg/Kg		0.36	0.7
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Magnesium	2900	mg/Kg		3.6	3.6
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	10	Manganese	506	mg/Kg		3.6	3.6
19B1 (23-25) 20200210	CF29956	SW7471	2/10/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Nickel	37.3	mg/Kg		0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Potassium	1140	mg/Kg		2.8	7
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.2	1.4
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Sodium	220	mg/Kg		3.1	7
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.4	1.4
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Vanadium	27.8	mg/Kg		0.36	0.36
19B1 (23-25) 20200210	CF29956	SW6010	2/10/2020	1	Zinc	33.4	mg/Kg		0.36	0.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.0	2.0
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	34	34
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.3	1.3
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endrin		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	34	34
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.0	2.0
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.0	2.0
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	6.7	6.7



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19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	130	130
19B1 (23-25) 20200210	CF29956	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	6.7	6.7
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	67	67
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Ethylbenzene	7.2	ug/Kg		0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.54	21
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.4	27
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Toluene	0.68	ug/Kg	J	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	m&p-Xylene	21	ug/Kg		1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	5.4	27
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	21



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19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Acetone	8.3	ug/Kg	J	5.4	27
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Benzene	0.87	ug/Kg	J	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	5.4	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	21	110
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	5.4	32
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	5.4	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	o-Xylene	2.7	ug/Kg	J	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.4
19B1 (23-25) 20200210	CF29956	SW8260	2/10/2020	1	Isopropylbenzene	0.62	ug/Kg	J	0.54	5.4
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	110	1700
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	150	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	240	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	84	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	160	680



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Phenol		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	92	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	94	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	98	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	87	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	99	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Anthracene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	130	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Pyrene		ug/Kg	U	120	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	99	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	88	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Fluoranthene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	95	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Chrysene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	94	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	240	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	240	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benz(a)anthracene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	96	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	95	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	110	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	90	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Phenanthrene		ug/Kg	U	97	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	87	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	170	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	120	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	210	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	98	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	96	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	100	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	160	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	96	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	240
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	240	680
19B1 (23-25) 20200210	CF29956	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	130	240
19B1 (23-25) 20200210	CF29956	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	67	67
19B2 (0-4) 20200210	CF29957	E160.3	2/10/2020	1	SOLIDS, PERCENT	90	%		0	0
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	10	Aluminum	8320	mg/Kg		6.6	33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.3	3.3
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Arsenic	2.70	mg/Kg		0.66	0.66
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Barium	74.4	mg/Kg		0.33	0.7
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Beryllium	0.39	mg/Kg		0.13	0.26
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Cadmium	1.18	mg/Kg		0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	10	Calcium	35400	mg/Kg		30	33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Chromium	16.4	mg/Kg		0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Cobalt	6.22	mg/Kg		0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Copper	21.7	mg/Kg		0.33	0.7
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	10	Iron	18500	mg/Kg	J+	33	33



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19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Lead	79.1	mg/Kg		0.33	0.7
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Magnesium	3590	mg/Kg		3.3	3.3
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	10	Manganese	404	mg/Kg		3.3	3.3
19B2 (0-4) 20200210	CF29957	SW7471	2/10/2020	2	Mercury	0.15	mg/Kg	J-	0.02	0.03
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Nickel	15.1	mg/Kg		0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Potassium	1150	mg/Kg		2.6	7
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Sodium	555	mg/Kg		2.8	7
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Vanadium	25.9	mg/Kg		0.33	0.33
19B2 (0-4) 20200210	CF29957	SW6010	2/10/2020	1	Zinc	114	mg/Kg		0.33	0.7
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.7	3.7
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.2	2.2
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.7	3.7
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.7	3.7
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	37	37
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.5	1.5
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.7	3.7
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endrin		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	37	37
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.2	2.2
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.2	2.2
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	150	150
19B2 (0-4) 20200210	CF29957	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	7.4	7.4
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	74	74



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19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	74	74
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Ethylbenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.52	21
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.2	26
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Toluene	1.1	ug/Kg	J	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	m&p-Xylene	1.3	ug/Kg	J	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	5.2	26
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	21
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Acetone	9.7	ug/Kg	J	5.2	26
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.1	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.0	5.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	5.2	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	21	100
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	5.2	31
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	5.2	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	o-Xylene		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.2
19B2 (0-4) 20200210	CF29957	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.52	5.2
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	250	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	90	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	170	730
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Phenol		ug/Kg	U	120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	94	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	110	150



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Anthracene		ug/Kg	U	120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Pyrene	890	ug/Kg		130	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	95	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzo(ghi)perylene	480	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene	500	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzo(b)fluoranthene	510	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Fluoranthene	920	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzo(k)fluoranthene	470	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	100	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Chrysene	490	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzo(a)pyrene	630	ug/Kg		120	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	250	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	120	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benz(a)anthracene	490	ug/Kg		120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	110	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	360	360
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	97	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Phenanthrene	420	ug/Kg		100	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	94	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	120	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	180	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	140	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	230	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	170	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	100	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	250
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	250	730
19B2 (0-4) 20200210	CF29957	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B2 (0-4) 20200210	CF29957	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	73	73
19B2 (23-25) 20200210	CF29958	E160.3	2/10/2020	1	SOLIDS, PERCENT	95	%		0	0
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	10	Aluminum	8060	mg/Kg		7.0	35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.5	3.5
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Arsenic	1.12	mg/Kg		0.70	0.70
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Barium	43.6	mg/Kg		0.35	0.7
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Beryllium	0.50	mg/Kg		0.14	0.28
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Cadmium	0.94	mg/Kg		0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Calcium	3350	mg/Kg		3.2	3.5
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Chromium	19.2	mg/Kg		0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Cobalt	8.35	mg/Kg		0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Copper	40.3	mg/Kg		0.35	0.7
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	10	Iron	18200	mg/Kg	J+	35	35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Lead	7.8	mg/Kg		0.35	0.7
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Magnesium	3410	mg/Kg		3.5	3.5
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	10	Manganese	457	mg/Kg		3.5	3.5
19B2 (23-25) 20200210	CF29958	SW7471	2/10/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Nickel	24.4	mg/Kg		0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Potassium	1690	mg/Kg		2.7	7



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.2	1.4
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Sodium	830	mg/Kg		3.0	7
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.4	1.4
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Vanadium	33.6	mg/Kg		0.35	0.35
19B2 (23-25) 20200210	CF29958	SW6010	2/10/2020	1	Zinc	28.8	mg/Kg		0.35	0.7
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	34	34
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	34	34
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	140	140
19B2 (23-25) 20200210	CF29958	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	69	69
19B2 (23-25) 20200210	CF29958	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	69	69



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Ethylbenzene	2.8	ug/Kg	J	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.56	23
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.6	28
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Toluene	0.67	ug/Kg	J	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)	1.1	ug/Kg	J	1.1	11
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	m&p-Xylene	9.5	ug/Kg		1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	5.6	28
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	23
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Acetone	12	ug/Kg	J	5.6	28
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.3	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	5.6	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.1	5.6



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	23	110
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	5.6	34
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	5.6	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	o-Xylene	2.1	ug/Kg	J	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.6
19B2 (23-25) 20200210	CF29958	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.56	5.6
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	120	1700
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	160	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	240	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Phenol		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	94	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	90	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Anthracene		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Pyrene	170	ug/Kg	J+	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	100	240



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19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	91	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Fluoranthene	190	ug/Kg	J+	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzo(k)fluoranthene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	98	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Chrysene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	97	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	240	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	240	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benz(a)anthracene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	98	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	93	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Phenanthrene	190	ug/Kg	J+	100	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	90	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	170	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	130	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	100	240



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19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	99	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	160	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	99	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	240
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	240	700
19B2 (23-25) 20200210	CF29958	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	240
19B2 (23-25) 20200210	CF29958	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	69	69
19B6 (0-4) 20200210	CF29959	E160.3	2/10/2020	1	SOLIDS, PERCENT	91	%		0	0
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	10	Aluminum	4260	mg/Kg		7.5	38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.8	3.8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Arsenic	2.49	mg/Kg		0.75	0.75
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Barium	62.2	mg/Kg		0.38	0.8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Beryllium	0.28	mg/Kg	J	0.15	0.30
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Cadmium	0.83	mg/Kg		0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	10	Calcium	78700	mg/Kg		35	38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Chromium	9.76	mg/Kg		0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Cobalt	3.66	mg/Kg		0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Copper	20.8	mg/Kg		0.38	0.8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Iron	8640	mg/Kg	J+	3.8	3.8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Lead	54.1	mg/Kg		0.38	0.8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	10	Magnesium	33900	mg/Kg		38	38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	10	Manganese	239	mg/Kg		3.8	3.8
19B6 (0-4) 20200210	CF29959	SW7471	2/10/2020	5	Mercury	0.12	mg/Kg	J-	0.04	0.07
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Nickel	12.8	mg/Kg		0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Potassium	794	mg/Kg		2.9	8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.3	1.5
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Sodium	315	mg/Kg		3.2	8
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Vanadium	15.8	mg/Kg		0.38	0.38
19B6 (0-4) 20200210	CF29959	SW6010	2/10/2020	1	Zinc	74.4	mg/Kg		0.38	0.8



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19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.6	3.6
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	4,4' -DDT	9.5	ug/Kg		2.1	2.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.6	3.6
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.6	3.6
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	36	36
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.6	3.6
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endrin		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	36	36
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	4,4' -DDE	4.3	ug/Kg		2.1	2.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	140	140
19B6 (0-4) 20200210	CF29959	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	7.1	7.1
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	71	71
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Ethylbenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.62	6.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.62	25
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.2	31
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Toluene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	m&p-Xylene		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	6.2	31
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	25
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Acetone	6.6	ug/Kg	J	6.2	31
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.5	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	6.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	25	120
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.62	6.2



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19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	6.2	37
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	6.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	o-Xylene		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	6.2
19B6 (0-4) 20200210	CF29959	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.62	6.2
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	250	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	90	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	170	730
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Phenol		ug/Kg	U	120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	98	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate	180	ug/Kg	J	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	94	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Anthracene	210	ug/Kg	J	120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Pyrene	2000	ug/Kg		130	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	95	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzo(ghi)perylene	430	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene	440	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzo(b)fluoranthene	740	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Fluoranthene	2100	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzo(k)fluoranthene	660	ug/Kg		120	250



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19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	100	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Chrysene	870	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzo(a)pyrene	870	ug/Kg		120	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	250	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	120	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benz(a)anthracene	890	ug/Kg		120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	110	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	100	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	97	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Phenanthrene	1100	ug/Kg		100	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	94	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	120	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	180	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	140	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	230	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	170	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	100	250



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19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	250
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	250	730
19B6 (0-4) 20200210	CF29959	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B6 (0-4) 20200210	CF29959	SW8270C-SIM	2/10/2020	10	1,4-dioxane		ug/Kg	U	99	100
19B6 (23-25) 20200210	CF29960	E160.3	2/10/2020	1	SOLIDS, PERCENT	96	%		0	0
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	10	Aluminum	3750	mg/Kg		6.3	31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.1	3.1
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Arsenic	1.07	mg/Kg		0.63	0.63
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Barium	30.8	mg/Kg		0.31	0.6
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Beryllium	0.22	mg/Kg	J	0.13	0.25
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Cadmium	0.66	mg/Kg	J	0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Calcium	1470	mg/Kg		2.9	3.1
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Chromium	13.1	mg/Kg		0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Cobalt	5.78	mg/Kg		0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Copper	16.6	mg/Kg		0.31	0.6
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	10	Iron	11500	mg/Kg	J	31	31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Lead	4.5	mg/Kg		0.31	0.6
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Magnesium	2390	mg/Kg		3.1	3.1
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	10	Manganese	300	mg/Kg	J	3.1	3.1
19B6 (23-25) 20200210	CF29960	SW7471	2/10/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Nickel	28.2	mg/Kg		0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Potassium	768	mg/Kg		2.4	6
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Sodium	181	mg/Kg		2.7	6
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Vanadium	19.9	mg/Kg		0.31	0.31
19B6 (23-25) 20200210	CF29960	SW6010	2/10/2020	1	Zinc	26.3	mg/Kg		0.31	0.6
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	6.9	6.9



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	34	34
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	34	34
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	140	140
19B6 (23-25) 20200210	CF29960	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	69	69
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Ethylbenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.70	28
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	7.0	35
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Toluene		ug/Kg	U	0.70	7.0



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19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.4	14
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	m&p-Xylene		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	7.0	35
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.4	28
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Acetone	13	ug/Kg	J	7.0	35
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.8	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	7.0	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	28	140
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	7.0	42
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	7.0	7.0



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19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	o-Xylene		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.4	7.0
19B6 (23-25) 20200210	CF29960	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.70	7.0
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	U	120	1700
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	U	160	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Caprolactam		ug/Kg	U	240	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	U	86	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	U	160	690
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Phenol		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	93	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	95	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	99	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	U	89	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Anthracene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Pyrene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	U	100	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Atrazine		ug/Kg	U	90	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Fluoranthene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	U	97	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Chrysene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	96	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	240	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	240	240



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19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benz(a)anthracene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	U	97	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Isophorone		ug/Kg	U	97	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	U	100	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	U	92	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Phenanthrene		ug/Kg	U	99	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	U	89	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Fluorene		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Carbazole		ug/Kg	U	170	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Naphthalene		ug/Kg	U	99	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	U	98	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	160	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	U	98	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Acetophenone		ug/Kg	U	110	240
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	U	240	690
19B6 (23-25) 20200210	CF29960	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B6 (23-25) 20200210	CF29960	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	69	69
SOIL DUPLICATE 2 20200210	CF29961	E160.3	2/10/2020	1	SOLIDS, PERCENT	95	%		0	0
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	10	Aluminum	3350	mg/Kg		6.9	35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Antimony		mg/Kg	UJ	3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Arsenic	1.75	mg/Kg		0.69	0.69
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Barium	35.0	mg/Kg		0.35	0.7
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Beryllium	0.31	mg/Kg		0.14	0.28
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Cadmium	1.62	mg/Kg	J	0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Calcium	1430	mg/Kg		3.2	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Chromium	11.3	mg/Kg		0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Cobalt	5.88	mg/Kg		0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Copper	22.9	mg/Kg		0.35	0.7
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	10	Iron	35600	mg/Kg	J	35	35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Lead	6.4	mg/Kg		0.35	0.7
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Magnesium	1780	mg/Kg		3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	10	Manganese	994	mg/Kg	J	3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW7471	2/10/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Nickel	33.1	mg/Kg		0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Potassium	686	mg/Kg		2.7	7
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Selenium		mg/Kg	U	1.2	1.4
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Silver		mg/Kg	U	0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Sodium	188	mg/Kg		3.0	7
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Thallium		mg/Kg	U	1.4	1.4
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Vanadium	21.6	mg/Kg		0.35	0.35
SOIL DUPLICATE 2 20200210	CF29961	SW6010	2/10/2020	1	Zinc	35.4	mg/Kg		0.35	0.7
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Aldrin		ug/Kg	U	3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	a-BHC		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	b-BHC		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	d-BHC		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	a-Chlordane		ug/Kg	U	3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	g-Chlordane		ug/Kg	U	3.5	3.5
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2 20200210	CF29961	SW8081	2/10/2020	2	Chlordane		ug/Kg	U	35	35



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SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	g-BHC		ug/Kg	U	1.4	1.4
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Dieldrin		ug/Kg	U	3.5	3.5
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Endrin		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Methoxychlor		ug/Kg	U	35	35
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Toxaphene		ug/Kg	U	140	140
SOIL DUPLICATE 2_20200210	CF29961	SW8081	2/10/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1260		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1254		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1268		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1221		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1232		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1248		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1016		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1262		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8082	2/10/2020	2	PCB-1242		ug/Kg	U	69	69
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Ethylbenzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.75	30
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	7.5	38
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Toluene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.75	7.5



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SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.5	15
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	m&p-Xylene		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	7.5	38
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.5	30
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Acetone		ug/Kg	UJ	7.5	38
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	3.0	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	7.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	30	150
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	7.5	45
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	7.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	o-Xylene		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.75	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.5	7.5
SOIL DUPLICATE 2_20200210	CF29961	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.75	7.5



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SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Nitroaniline		ug/Kg	UJ	110	1700
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Nitrophenol		ug/Kg	UJ	160	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzaldehyde		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Bromophenyl phenyl ether		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Caprolactam		ug/Kg	UJ	240	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4-Dimethylphenol		ug/Kg	UJ	85	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Chloroaniline		ug/Kg	UJ	160	690
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Phenol		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	93	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	UJ	95	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	UJ	99	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Di-n-octylphthalate		ug/Kg	UJ	89	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Hexachlorobenzene		ug/Kg	UJ	100	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Anthracene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4-Dichlorophenol		ug/Kg	UJ	120	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4-Dinitrotoluene		ug/Kg	UJ	140	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Pyrene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Dimethylphthalate		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Dibenzofuran		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Atrazine		ug/Kg	UJ	89	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzo(ghi)perylene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzo(b)fluoranthene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Fluoranthene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzo(k)fluoranthene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Acenaphthylene		ug/Kg	UJ	96	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Chrysene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	UJ	95	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzo(a)pyrene		ug/Kg	UJ	110	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	240	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	240	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Dibenz(a,h)anthracene		ug/Kg	UJ	110	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benz(a)anthracene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	UJ	160	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Chloro-3-methylphenol		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,6-Dinitrotoluene		ug/Kg	UJ	110	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	UJ	110	140



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DATA SUMMARY TABLE
SOILS
SDG: GCF29955**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	N-Nitrosodimethylamine		ug/Kg	UJ	97	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Hexachloroethane		ug/Kg	UJ	100	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Isophorone		ug/Kg	UJ	96	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Acenaphthene		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Diethyl phthalate		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Di-n-butylphthalate		ug/Kg	UJ	91	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Phenanthrene		ug/Kg	UJ	98	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Benzyl butyl phthalate		ug/Kg	UJ	89	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	N-Nitrosodiphenylamine		ug/Kg	UJ	130	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Fluorene		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Carbazole		ug/Kg	UJ	170	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Hexachlorobutadiene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Pentachlorophenol		ug/Kg	UJ	130	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4,6-Trichlorophenol		ug/Kg	UJ	110	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Nitroaniline		ug/Kg	UJ	240	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Nitrophenol		ug/Kg	UJ	220	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Naphthalene		ug/Kg	UJ	99	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Methylnaphthalene		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Chloronaphthalene		ug/Kg	UJ	97	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	3,3'-Dichlorobenzidine		ug/Kg	UJ	140	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	1,1-Biphenyl		ug/Kg	UJ	100	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	160	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2-Chlorophenol		ug/Kg	UJ	97	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	UJ	120	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	2,4,5-Trichlorophenol		ug/Kg	UJ	190	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Acetophenone		ug/Kg	UJ	110	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	Nitrobenzene		ug/Kg	UJ	120	140
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	3-Nitroaniline		ug/Kg	UJ	240	690
SOIL DUPLICATE 2_20200210	CF29961	SW8270	2/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	UJ	140	240
SOIL DUPLICATE 2_20200210	CF29961	SW8270C-SIM	2/10/2020	1	1,4-dioxane		ug/Kg	U	69	69
CF29962-TB_20200210	CF29962	SW8260	2/10/2020	50	Ethylbenzene		ug/Kg	U	25	250
CF29962-TB_20200210	CF29962	SW8260	2/10/2020	50	Styrene		ug/Kg	U	25	250
CF29962-TB_20200210	CF29962	SW8260	2/10/2020	50	cis-1,3-Dichloropropene		ug/Kg	U	25	250
CF29962-TB_20200210	CF29962	SW8260	2/10/2020	50	trans-1,3-Dichloropropene		ug/Kg	U	25	250
CF29962-TB_20200210	CF29962	SW8260	2/10/2020	50	1,4-Dichlorobenzene		ug/Kg	U	25	250



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2-Dibromoethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Acrolein		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2-Dichloroethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Acrylonitrile		ug/Kg	U	25	1000
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	4-Methyl-2-pentanone		ug/Kg	U	250	1300
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Methylcyclohexane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Toluene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Chlorobenzene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Cyclohexane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,4-dioxane		ug/Kg	U	2000	3800
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Dibromochloromethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Tetrachloroethene		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	cis-1,2-Dichloroethene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	trans-1,2-Dichloroethene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	50	500
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	m&p-Xylene		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,3-Dichlorobenzene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Carbon tetrachloride		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	2-Hexanone		ug/Kg	U	250	1300
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	50	1000
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Acetone		ug/Kg	U	250	1300
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Chloroform		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Benzene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1,1-Trichloroethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Bromomethane		ug/Kg	U	100	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Chloromethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Bromochloromethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Chloroethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Vinyl chloride		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Methylene chloride		ug/Kg	U	250	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Carbon Disulfide		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Bromoform		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Bromodichloromethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1-Dichloroethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1-Dichloroethene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Tert-butyl alcohol		ug/Kg	U	1000	5000



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Trichlorofluoromethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Dichlorodifluoromethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Trichlorotrifluoroethane		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2-Dichloropropane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Methyl ethyl ketone		ug/Kg	U	250	1500
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1,2-Trichloroethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Trichloroethene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Methylacetate		ug/Kg	U	250	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	o-Xylene		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2-Dichlorobenzene		ug/Kg	U	25	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	50	250
CF29962-TB 20200210	CF29962	SW8260	2/10/2020	50	Isopropylbenzene		ug/Kg	U	25	250
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Ethylbenzene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Styrene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2-Dibromoethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Acrolein		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2-Dichloroethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Acrylonitrile		ug/Kg	U	0.50	20
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.0	25
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Toluene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Chlorobenzene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Cyclohexane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,4-dioxane		ug/Kg	U	40	75
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Tetrachloroethene		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	m&p-Xylene		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.50	5.0



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	2-Hexanone		ug/Kg	U	5.0	25
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Acetone		ug/Kg	U	5.0	25
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Chloroform		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Benzene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Bromomethane		ug/Kg	U	2.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Chloromethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Bromochloromethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Chloroethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Vinyl chloride		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Methylene chloride		ug/Kg	U	5.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Bromoform		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1-Dichloroethene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Tert-butyl alcohol		ug/Kg	U	20	100
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Methyl ethyl ketone		ug/Kg	U	5.0	30
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Trichloroethene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Methylacetate		ug/Kg	U	5.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	o-Xylene		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.50	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.0
CF29963-TB 20200210	CF29963	SW8260	2/10/2020	1	Isopropylbenzene		ug/Kg	U	0.50	5.0

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/20/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	SVOC	Soil
19B4 (23-25')	CF29347	02/06/2020	SVOC	Soil
19B5 (0-4')	CF29348	02/06/2020	SVOC	Soil
19B5 (23-25')	CF29349	02/06/2020	SVOC	Soil
19B7 (0-4')	CF29350	02/06/2020	SVOC	Soil
19B7 (23-25')	CF29351	02/06/2020	SVOC	Soil
19B8 (0-4')	CF29352	02/06/2020	SVOC	Soil
19B8 (23-25')	CF29353	02/06/2020	SVOC	Soil
SOIL DUPLICATE	CF29354	02/06/2020	SVOC	Soil

Summary - Data validation was performed on nine (9) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 01/21/2019 (CHEM34) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

– Initial calibration curve analyzed on 01/19/2020 (CHEM36) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 02/11/2019 were within acceptance limits listed in Table 2 in SOP HW-35A with the exception of 2-nitrophenol. Results for 2-nitrophenol were not report from this batch.

Qualification: None required.

– The %D for the CCVs analyzed and reported with these samples on 2/10-11/2020 were within acceptance limits listed in Table 2 in SOP HW-35A with the exception of bis(2-chloroethyl)ether.

Qualification: Non-detect results for bis(2-chloroethyl)ether were qualified as estimated (UJ) in all field samples in this SDG.

Surrogates – Surrogate %R values were within the QC acceptance limits. The surrogates were diluted out from samples 19B7 (0-4') 10x dilution and 19B8 (0-4') 10x dilution.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the six internal standards with the exception of 1,4-dichlorobenzene-d4 and 1,4-naphthalene-d8 in sample 19B8 (0-4').

Qualification: Non-detect results for benzaldehyde, caprolactam, 2,4-dimethylphenol, 4-chloroaniline, phenol, bis(2-chloroethyl)ether, bis(2-chloroethoxy)methane, 2,4-dichlorophenol, bis(2-chloroisopropyl)ether, 4-chloro-3-methylphenol, n-nitrosodi-n-propylamine, n-nitrosodimethylamine, hexachloroethane, hexachlorocyclopentadiene, isophorone, hexachlorobutadiene, 2-nitrophenol, 2-methylphenol, 2-chlorophenol, 1,2,4,5-tetrachlorobenzene, acetophenone, nitrobenzene, and 3&4-methylphenol were qualified as estimated (U) in sample 19B8 (0-4'). Results for naphthalene and 2-methylnaphthalene were qualified as estimated bias high (J+) in sample 19B8 (0-4').

Method Blank (MB) – Method Blank (CF29349 BLANK)-Scan associated with the soil samples extracted on 02/10/2020 and analyzed on 02/11/2020 was free of contamination.

Qualification: None required.

Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate (Lab Sample ID: CF29354) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: CF29351). The FD sample results for detected SVOCs in the FD sample pair are summarized in the table below. FD sample results were non-detect.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were performed on sample 19B5 (23-25') (CF29349). All %RECs/RPDs were within the laboratory control limits with the exception of benzaldehyde (26% %R) and hexachlorocyclopentadiene (24% and 20% %R).

Qualification: Non-detect results for benzaldehyde and hexachlorocyclopentadiene were qualified as estimated (UJ) in sample 19B5 (23-25').

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF = 1

V = Volume for liquids in ml, weight for soils/solids in grams.

VE = final volume of concentrated extract

Sample: 19B4 (0-4') (CF29346)

Phenanthrene

Sample weight = 15.26g

Volume purged=1.0ml
DF = 1
%Solids=93

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{899898 \times 40 \times 1 \times 1000}{2986923 \times 1.126 \times 15.26 \times 0.93} = 754.14 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Phenanthrene	750	750	0.0

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29346 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/19/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	VOC	Soil
19B4 (23-25')	CF29347	02/06/2020	VOC	Soil
19B5 (0-4')	CF29348	02/06/2020	VOC	Soil
19B5 (23-25')	CF29349	02/06/2020	VOC	Soil
19B7 (0-4')	CF29350	02/06/2020	VOC	Soil
19B7 (23-25')	CF29351	02/06/2020	VOC	Soil
19B8 (0-4')	CF29352	02/06/2020	VOC	Soil
19B8 (23-25')	CF29353	02/06/2020	VOC	Soil
SOIL DUPLICATE	CF29354	02/06/2020	VOC	Soil
Trip Blank Low	CF29355	02/06/2020	VOC	Trip Blank
Trip Blank High	CF29356	02/06/2020	VOC	Trip Blank

Summary - Data validation was performed on nine (9) soil samples and two (2) trip blanks from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 02/07/2020 (CHEM26) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 02/11/2020 were within acceptance limits for all target VOCs.

Qualification: None required.

- The %D for the CCVs analyzed and reported with these samples on 02/12/2020 were within acceptance limits for VOCs with the exception of 1,2-dichloroethane and methylcyclohexane.

Qualification: Non-detect results for 1,2-dichloroethane and methylcyclohexane in sample 19B7 (0-4') were qualified as estimated (UJ).

Surrogates –All surrogate percent recoveries were within the control limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – MS/MSD were performed on sample 19B5 (23-25') (CF29349) (high level). All %RECs/RPDs were within the laboratory control limits with the following exceptions: bromomethane (61% %R), chloroethane (22% and 24% %R), trichlorofluoromethane (20% and 22% %R), carbon disulfide (65% %R), and acetone (67% %R). Associated results from the parent sample were not report from this high level run.

Qualification: None required.

– MS/MSD were performed on sample 19B5 (23-25') (CF29349) (low level). All %RECs/RPDs were within the laboratory control limits with the following exceptions: tert-butyl alcohol (133% %R and 38.6% RPD). Result for tert-butyl alcohol was non-detect in the parent sample.

Qualification: None required.

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank Low (Lab Sample ID: CF29355) was submitted with this sample set. Target VOCs were non-detect in the Trip Blank Low sample.

Qualification: None required.

– Trip Blank High (Lab Sample ID: CF29356) was submitted with this sample set. VOCs were non-detect in the HL TB sample.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate (Lab Sample ID: CF29354) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: CF29351). The FD sample results for detected VOCs in the FD sample pair are summarized in the table below. Result for acetone was detected in the field duplicate but was non-detect in the field sample.

Lab Sample ID	CF29351		CF29354		
Client Sample ID	19B7 (23-25')		Soil Duplicate		
Collection Date	2/06/2020		2/06/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
Acetone	ND	U	6.0	J	NC

Qualification: Results for acetone in the field duplicate pair were qualified as estimated (U/J).

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation –Analyte non-detections were reported as “U”; these results should be considered the equivalent of “PQL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

- All sample results were reported within the linear calibration range.
- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.

Ais = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

19B4 (0-4') (CF29346)

m&p-Xylene

Sample weight= 4.29g

Volume purged=5.0ml

DF = 1

%Solid = 93%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{4202 \times 50 \times 1 \times 5.0}{360594 \times 0.443 \times 4.29 \times 0.93} = 1.65 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
m&p-Xylene	1.7	1.7	0.0

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29346 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/19/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	PCB	Soil
19B4 (23-25')	CF29347	02/06/2020	PCB	Soil
19B5 (0-4')	CF29348	02/06/2020	PCB	Soil
19B5 (23-25')	CF29349	02/06/2020	PCB	Soil
19B7 (0-4')	CF29350	02/06/2020	PCB	Soil
19B7 (23-25')	CF29351	02/06/2020	PCB	Soil
19B8 (0-4')	CF29352	02/06/2020	PCB	Soil
19B8 (23-25')	CF29353	02/06/2020	PCB	Soil
SOIL DUPLICATE	CF29354	02/06/2020	PCB	Soil

Summary - Data validation was performed on nine (9) soil samples collected from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for PCBs by SW-846 Method 8082 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 02/05/2020 (ECD29) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 02/11/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF29349 BL) associated with the soil samples extracted on 02/10/2020 and analyzed on 02/11/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF29349 were analyzed on 02/11/2020. All %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate (Lab Sample ID: CF29354) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: CF29351). The results for detected PCBs were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B5 (23-25') (CF29349). All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

CF29349 LCS

Aroclor-1016

On Column concentration (B)= 447.089ng

Sample weight= 15.0g

DF= 10

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{447.089\text{ng} \times 10\text{ml} \times 5}{15.0\text{g}} = 1490.30\mu\text{g/kg}$$

Compound	Laboratory (µg/kg)	Validation (µg/kg)	%D
Aroclor-1016	1490	1490	0.0

Data Review Summary – The PCBs results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29346 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES

USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/19/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	Pesticides	Soil
19B4 (23-25')	CF29347	02/06/2020	Pesticides	Soil
19B5 (0-4')	CF29348	02/06/2020	Pesticides	Soil
19B5 (23-25')	CF29349	02/06/2020	Pesticides	Soil
19B7 (0-4')	CF29350	02/06/2020	Pesticides	Soil
19B7 (23-25')	CF29351	02/06/2020	Pesticides	Soil
19B8 (0-4')	CF29352	02/06/2020	Pesticides	Soil
19B8 (23-25')	CF29353	02/06/2020	Pesticides	Soil
SOIL DUPLICATE	CF29354	02/06/2020	Pesticides	Soil

Summary - Data validation was performed on nine (9) soil samples collected from 1015 Atlantic Ave, Brooklyn, Bronx, NY on 02/06/2020 and submitted for Pesticides by SW-846 Method 8081 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/ECD Instrument Performance Check – 4,4'-DDT and Endrin breakdown exhibited acceptable results.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 02/07/2020 (ECD7) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 01/20/2020 (ECD7) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 02/11-12/2020 exhibited acceptable %Ds for all compounds on reporting column with the exception of endrin aldehyde.

Qualification: The non-detect result for endrin aldehyde in sample 19B7 (0-4') was qualified as estimated (UJ).

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF29349 BL) associated with the soil samples extracted on 02/10/2020 and analyzed on 02/11/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF29349 LCS was analyzed on 02/11/2020. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate (Lab Sample ID: CF29354) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: CF29351). The results for pesticides were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B5 (23-25') (CF29349). All %RECs were within the laboratory control limits. RPDs were outside the control limits for gamma-BHC, dieldrin, 4,4'-DDE, endosulfan, 4,4'-DDT, methoxychlor, endrin ketone, and endrin aldehyde. These compounds were non-detect in the parent sample.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

–Sample confirmation %D for all samples was <40%.

Qualification: None required.

Manual Calculation

CF29346 LCS

Alpha-BHC

On Column concentration (A) = 39.921ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{39.921\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 26.303\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-BHC	26.6	26.6	0.0

Data Review Summary – The pesticide results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29349 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/20/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	Metals	Soil
19B4 (23-25')	CF29347	02/06/2020	Metals	Soil
19B5 (0-4')	CF29348	02/06/2020	Metals	Soil
19B5 (23-25')	CF29349	02/06/2020	Metals	Soil
19B7 (0-4')	CF29350	02/06/2020	Metals	Soil
19B7 (23-25')	CF29351	02/06/2020	Metals	Soil
19B8 (0-4')	CF29352	02/06/2020	Metals	Soil
19B8 (23-25')	CF29353	02/06/2020	Metals	Soil
SOIL DUPLICATE	CF29354	02/06/2020	Metals	Soil

Summary - Data validation was performed on nine (9) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for the following analyses:

- 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
- 1.2 Mercury by SW-846 Method 7471A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES.

Qualification: None required.

– All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis.

Qualification: None required.

Initial and Continuing Calibration Verification (ICV and CCV) – ICP-AES – All %RECs in the ICV and CCVs were within QC limits.

Qualification: None required.

Mercury – All correlation coefficient for Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs %REC values were within the QC limits.

Qualification: None required.

CRQL Check Standard (CRI) – Mercury was outside the control limits. Remaining CRI analyzed %RECs were within the control limits.

Qualification: Mercury in samples 19B4 (0-4'), 19B5 (0-4'), 19B7 (0-4'), and 19B8 (0-4') were qualified as estimated bias low (J-) and non-detect results were qualified as estimated (UJ) in samples 19B4 (23-25'), 19B5 (23-25'), 19B7 (23-25'), 19B8 (23-25'), and SOIL DUPLICATE.

ICP-AES Interference Check Sample – All %REC values were within the QC limits for ICSA and ICSAB.

Qualification: None required.

Blanks (Method Blank, ICB and CCB) – ICP-AES Method Blank-Soil (CF29349) digested on 02/10/2020 was free of contamination.

Qualification: None required.

– All ICB and CCBs were free of contamination.

Qualification: None required.

– Mercury – All ICB and CCBs were free of contamination.

Qualification: None required.

–Mercury – Method Blank (CF29349 BLK) digested on 02/11/2020 was free of contamination.

Qualification: None required.

Field Blank (FB) and Equipment Blank (EB) – Field Blanks were not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – ICP-AES and Mercury – Laboratory Control Sample %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — One field duplicate pair was included in this SDG. Sample Soil Duplicate (Lab Sample ID: CF29353) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: CF29351). Sodium and zinc had a calculated %RPD > 50% for the duplicate pair. The FD sample results are summarized in the table below.

Client Sample ID:	19B7 (23-25')		Soil Duplicate		
Lab Sample ID:	CF29351		CF29353		
Date Sampled:	02/06/2020		02/06/2020		
	Result (mg/Kg)		Result (mg/Kg)		RPD (%)
Aluminum	4570		3080		39.0
Arsenic	1.56		1.69		8.0
Barium	33.3		24.6		30.1
Beryllium	0.28		0.22	J	24.0
Cadmium	0.41		0.46		11.5
Calcium	1620		1580		2.5
Chromium	12.9		11.2		14.1
Cobalt	5.49		7.45		30.3
Copper	18.9		16.7		12.4
Iron	15100		15700		3.9
Lead	4.0		5.8		36.7
Magnesium	2380		1490		46.0
Manganese	285		317		10.6
Nickel	22.1		21.0		5.1
Potassium	992		610		47.7
Sodium	207		109		62.0
Vanadium	24.2		28.4		16.0
Zinc	44.0		20.9		71.2

Qualification: Results for sodium and zinc in the field duplicate pair (B6D (1-3) and Duplicate) were qualified as estimated (J).

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) –Mercury/ICP-AES – Matrix Spike (MS) was performed on sample 19B5 (23-25') (GCF29349). %RECs were within the laboratory control limits with the exception of potassium and sodium.

Qualification: Results for potassium and sodium were qualified as estimated (J) in sample 19B5 (23-25').

Sample Duplicate – ICP-AES and Mercury – Mercury/ICP-AES – Laboratory Duplicate was performed on a sample 19B5 (23-25') (GCF29349). RPD was within laboratory control limits with the exception of aluminum, calcium, chromium, potassium, magnesium, sodium, and zinc.

Qualification: Results for aluminum, calcium, chromium, potassium, magnesium, sodium, and zinc were qualified as estimated (J) in sample 19B5 (23-25').

ICP-AES Serial Dilution – ICP serial dilution was performed on dissolved sample B6D (1-3) (GCF14397). For all results for which the concentration in the original sample is $\geq 50\times$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$).

Qualification: None required.

Verification of Instrumental Parameters – The following Forms were present in the data package:

- Method Detection Limits, Form- X.
- ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
- ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were $>50\%$.

Qualification: None required.

Manual calculation

Sample: 19B4 (0-4') (CF29346)

Barium

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.81g

%Solids =93

DF=1.0

Concentration (mg/Kg) (dry wt.)= $\frac{936.352\text{ug/L} \times 50 \times 1.0 \times 1\text{L} \times 1000\text{gx} \ 1\text{mg}}{0.81 \times 0.93 \times 1000\text{ml} \times 1 \text{ kg} \times 1000\text{ug}} = 62.15 \text{ mg/kg}$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	62.1	62.1	0.0

Data Review Summary – The trace metal results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Trace Metals data package requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29346 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-DIOXANE)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF29346
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 03/19/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	CF29346	02/06/2020	SVOC	Soil
19B4 (23-25')	CF29347	02/06/2020	SVOC	Soil
19B5 (0-4')	CF29348	02/06/2020	SVOC	Soil
19B5 (23-25')	CF29349	02/06/2020	SVOC	Soil
19B7 (0-4')	CF29350	02/06/2020	SVOC	Soil
19B7 (23-25')	CF29351	02/06/2020	SVOC	Soil
19B8 (0-4')	CF29352	02/06/2020	SVOC	Soil
19B8 (23-25')	CF29353	02/06/2020	SVOC	Soil
SOIL DUPLICATE	CF29354	02/06/2020	SVOC	Soil

Summary - Data validation was performed on the data for nine (9) soil samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for Semi-Volatile Organic (SVOC) SIMs analysis for 1,4-dioxane by SW846 Method 8270C SIM. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 11/13/2019 (CHEM33)-SIM Scan for 1,4-dioxane exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV)– CCV analyzed on 02/11/2020 (CHEM33)-SIM scan

for 1,4-dioxane exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Surrogates – Surrogate %REC values were within the QC acceptance limits for the SIM scan. Note: Surrogate was diluted out for diluted sample 19B7 (0-4’).

Qualification: None required.

Internal Standard (IS) Area Performance – All samples exhibited acceptable area count for the internal standard for 1,4-dioxane.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB)– Method Blank (CF29349 BLANK)-Scan for 1,4-dioxane associated with the soil samples extracted on 02/11/2020 and analyzed on 02/12/2020 was free of contamination.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample Soil Duplicate (Lab Sample ID: CF29354) was the field duplicate sample of 19B7 (23-25’) (Lab Sample ID: CF29351). The results for 1,4-dioxane were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were performed on sample 19B5 (23-25’) (CF29349) for 1,4-Dioxane. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.

Ais = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.
DF = Dilution factor calculated. If no dilution is performed, DF= 1
V= Volume for liquids in ml, weight for soils/solids in grams.
VE= final volume of concentrated extract

Sample: CF29349 LCS

1,4-Dioxane

Sample weight= 15.00g
Volume purged=1.0ml
DF = 1

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{49553 \times 100 \times 1 \times 1000}{99661 \times 1.121 \times 15.00} = 2956.98 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/Kg}$)	Validation ($\mu\text{g/Kg}$)	%D
1,4-Dioxane	2957	2957	0.0

Data Review Summary –The 1,4-dioxane results reported in this SDG are acceptable as reported and may be used for their intended purpose.

–1,4-dioxane data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF29346 at the end of the data validation report.



1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29346

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4') 20200206	CF29346	E160.3	2/6/2020	1	SOLIDS, PERCENT	93	%		0	0
19B4 (0-4') 20200206	CF29346	SW6010	2/6/2020	10	Aluminum	5840	mg/Kg		6.6	33
19B4 (0-4') 20200206	CF29346	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.3	3.3
19B4 (0-4') 20200206	CF29346	SW6010	2/6/2020	1	Arsenic	2.29	mg/Kg		0.66	0.66
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.6	3.6
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.6	3.6
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.6	3.6
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	36	36
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.6	3.6
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endrin		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	36	36
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B4 (0-4') 20200206	CF29346	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	7.1	7.1
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	71	71
19B4 (0-4') 20200206	CF29346	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.63	6.3
19B4 (0-4') 20200206	CF29346	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.63	6.3



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29346**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.63	25
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.3	31
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Toluene	1.2	ug/Kg	J	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.3	13
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	m&p-Xylene	1.7	ug/Kg	J	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	6.3	31
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.3	25
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Acetone		ug/Kg	U	6.3	31
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.5	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	6.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.3	6.3



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29346**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	25	130
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	6.3	38
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	6.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	6.3
19B4 (0-4") 20200206	CF29346	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.63	6.3
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	250	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	95	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	91	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Anthracene	150	ug/Kg	J	120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Pyrene	1700	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	92	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzo(ghi)perylene	570	ug/Kg		110	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene	600	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzo(b)fluoranthene	680	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Fluoranthene	1600	ug/Kg		110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzo(k)fluoranthene	690	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	99	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Chrysene	850	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	98	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzo(a)pyrene	880	ug/Kg		110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	250	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	250	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Dibenz(a,h)anthracene	140	ug/Kg		110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benz(a)anthracene	830	ug/Kg		120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	99	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	94	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Phenanthrene	750	ug/Kg		100	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	91	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	180	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	220	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	100	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	250
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	250	700
19B4 (0-4") 20200206	CF29346	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B4 (0-4") 20200206	CF29346	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	71	71
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Barium	62.1	mg/Kg		0.33	0.7
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Beryllium	0.32	mg/Kg		0.13	0.27
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Cadmium	0.57	mg/Kg		0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	10	Calcium	20700	mg/Kg		31	33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Chromium	14.4	mg/Kg		0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Cobalt	5.46	mg/Kg		0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Copper	20.2	mg/Kg		0.33	0.7
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	10	Iron	15800	mg/Kg		33	33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Lead	87.3	mg/Kg		0.33	0.7
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	10	Magnesium	10600	mg/Kg		33	33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	10	Manganese	263	mg/Kg		3.3	3.3
19B4 (0-4") 20200206	CF29346	SW7471	2/6/2020	2	Mercury	0.16	mg/Kg	J-	0.02	0.03
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Nickel	13.9	mg/Kg		0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Potassium	968	mg/Kg		2.6	7
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Sodium	292	mg/Kg		2.9	7
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Vanadium	21.8	mg/Kg		0.33	0.33
19B4 (0-4") 20200206	CF29346	SW6010	2/6/2020	1	Zinc	103	mg/Kg		0.33	0.7
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	10	Aluminum	5990	mg/Kg		6.3	31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.1	3.1
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Arsenic	4.82	mg/Kg		0.63	0.63
19B4 (23-25") 20200206	CF29347	E160.3	2/6/2020	1	SOLIDS, PERCENT	95	%		0	0
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Barium	32.2	mg/Kg		0.31	0.6
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Beryllium	0.51	mg/Kg		0.13	0.25



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	34	34
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	34	34
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B4 (23-25) 20200206	CF29347	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	69	69
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.59	5.9



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.59	24
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.9	30
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.9	30
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	24
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Acetone	7.9	ug/Kg	J	5.9	30
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.4	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.9	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	24	120
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.59	5.9



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.9	36
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.9	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	5.9
19B4 (23-25) 20200206	CF29347	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.59	5.9
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	250	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	95	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	90	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Anthracene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Pyrene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	91	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Fluoranthene		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzo(k)fluoranthene		ug/Kg	U	120	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	98	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Chrysene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	97	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	250	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	250	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benz(a)anthracene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	98	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	93	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Phenanthrene		ug/Kg	U	100	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	90	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	120	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	180	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	220	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	250
19B4 (23-25) 20200206	CF29347	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	100	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	250
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	250
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	250	700
19B4 (23-25") 20200206	CF29347	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B4 (23-25") 20200206	CF29347	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	69	69
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Cadmium	0.36	mg/Kg		0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Calcium	1860	mg/Kg		2.9	3.1
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Chromium	24.3	mg/Kg		0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Cobalt	7.66	mg/Kg		0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Copper	41.4	mg/Kg		0.31	0.6
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	10	Iron	15700	mg/Kg		31	31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Lead	35.8	mg/Kg		0.31	0.6
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	10	Magnesium	5260	mg/Kg		31	31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	10	Manganese	393	mg/Kg		3.1	3.1
19B4 (23-25") 20200206	CF29347	SW7471	2/6/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Nickel	38.2	mg/Kg		0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Potassium	2010	mg/Kg		2.4	6
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Sodium	653	mg/Kg		2.7	6
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Vanadium	28.6	mg/Kg		0.31	0.31
19B4 (23-25") 20200206	CF29347	SW6010	2/6/2020	1	Zinc	51.0	mg/Kg		0.31	0.6
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	10	Aluminum	9130	mg/Kg		6.7	34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.4	3.4
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Arsenic	3.00	mg/Kg		0.67	0.67
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Barium	62.4	mg/Kg		0.34	0.7
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Beryllium	0.51	mg/Kg		0.13	0.27
19B5 (0-4") 20200206	CF29348	E160.3	2/6/2020	1	SOLIDS, PERCENT	92	%		0	0
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Cadmium	0.57	mg/Kg		0.34	0.34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	10	Calcium	23300	mg/Kg		31	34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Chromium	27.7	mg/Kg		0.34	0.34
19B5 (0-4") 20200206	CF29348	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	7.2	7.2
19B5 (0-4") 20200206	CF29348	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	7.2	7.2
19B5 (0-4") 20200206	CF29348	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.6	3.6



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.2	2.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.6	3.6
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.6	3.6
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	36	36
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.6	3.6
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Endrin		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	36	36
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.2	2.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.2	2.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B5 (0-4') 20200206	CF29348	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	7.2	7.2
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	72	72
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.2	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.60	6.0
19B5 (0-4') 20200206	CF29348	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.60	24



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.0	30
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	6.0	30
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	24
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Acetone		ug/Kg	U	6.0	30
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.4	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	6.0	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	24	120
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	6.0	36



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	6.0	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	6.0
19B5 (0-4") 20200206	CF29348	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.60	6.0
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	110	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	250	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	88	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	170	710
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	96	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	98	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate	180	ug/Kg	J	100	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	92	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Anthracene	180	ug/Kg	J	120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Pyrene	1800	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	100	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	93	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Benzo(ghi)perylene	600	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene	670	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Benzo(b)fluoranthene	650	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Fluoranthene	1900	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Benzo(k)fluoranthene	670	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Acenaphthylene	150	ug/Kg		100	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Chrysene	780	ug/Kg		120	250
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	99	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Benzo(a)pyrene	890	ug/Kg		120	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	250	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	250	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Dibenz(a,h)anthracene	150	ug/Kg		120	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Benz(a)anthracene	860	ug/Kg		120	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	110	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	110	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	100	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	110	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	95	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Phenanthrene	790	ug/Kg		100	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	92	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	120	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	180	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	250	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	230	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	100	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	110	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	100	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	250
19B5 (0-4') 20200206	CF29348	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	250	710
19B5 (0-4") 20200206	CF29348	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B5 (0-4") 20200206	CF29348	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	72	72
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Cobalt	7.38	mg/Kg		0.34	0.34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Copper	33.4	mg/Kg		0.34	0.7
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	10	Iron	19400	mg/Kg		34	34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Lead	88.3	mg/Kg		0.34	0.7
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	10	Magnesium	14200	mg/Kg		34	34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	10	Manganese	418	mg/Kg		3.4	3.4
19B5 (0-4") 20200206	CF29348	SW7471	2/6/2020	2	Mercury	0.10	mg/Kg	J-	0.02	0.03
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Nickel	30.6	mg/Kg		0.34	0.34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Potassium	2100	mg/Kg		2.6	7
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.34	0.34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Sodium	500	mg/Kg		2.9	7
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Vanadium	39.7	mg/Kg		0.34	0.34
19B5 (0-4") 20200206	CF29348	SW6010	2/6/2020	1	Zinc	81.3	mg/Kg		0.34	0.7
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	10	Aluminum	3620	mg/Kg	J	7.3	36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.6	3.6
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Arsenic	1.33	mg/Kg		0.73	0.73
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Barium	27.3	mg/Kg		0.36	0.7
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Beryllium	0.25	mg/Kg	J	0.15	0.29
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Cadmium	0.40	mg/Kg		0.36	0.36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Calcium	1220	mg/Kg	J	3.4	3.6
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Chromium	12.6	mg/Kg	J	0.36	0.36
19B5 (23-25") 20200206	CF29349	E160.3	2/6/2020	1	SOLIDS, PERCENT	94	%		0	0
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Cobalt	6.47	mg/Kg		0.36	0.36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Copper	14.8	mg/Kg		0.36	0.7
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	6.9	6.9
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	6.9	6.9
19B5 (23-25") 20200206	CF29349	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	34	34
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	34	34
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B5 (23-25) 20200206	CF29349	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	69	69
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.53	21
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.3	26
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.53	5.3



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.3	26
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	21
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Acetone		ug/Kg	U	5.3	26
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.3	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	21	110
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.3	32
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.3	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.3



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.3
19B5 (23-25) 20200206	CF29349	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.53	5.3
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1700
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	160	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	UJ	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	240	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	86	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	94	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	96	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	90	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Anthracene		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Pyrene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	90	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Fluoranthene		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzo(k)fluoranthene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	97	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Chrysene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	97	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	240	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	240	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benz(a)anthracene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	98	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	97	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	92	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Phenanthrene		ug/Kg	U	99	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	90	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	170	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	99	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	99	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	240
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	240	700
19B5 (23-25) 20200206	CF29349	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	240
19B5 (23-25) 20200206	CF29349	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	70	70



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	10	Iron	13800	mg/Kg		36	36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Lead	4.9	mg/Kg		0.36	0.7
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Magnesium	1640	mg/Kg	J	3.6	3.6
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	10	Manganese	249	mg/Kg		3.6	3.6
19B5 (23-25") 20200206	CF29349	SW7471	2/6/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Nickel	19.9	mg/Kg		0.36	0.36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Potassium	1010	mg/Kg	J	2.8	7
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.2	1.5
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.36	0.36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Sodium	147	mg/Kg	J	3.1	7
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Vanadium	28.1	mg/Kg		0.36	0.36
19B5 (23-25") 20200206	CF29349	SW6010	2/6/2020	1	Zinc	21.4	mg/Kg	J	0.36	0.7
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	10	Aluminum	9410	mg/Kg		7.0	35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.5	3.5
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Arsenic	6.61	mg/Kg		0.70	0.70
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Barium	381	mg/Kg		0.35	0.7
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Beryllium	0.44	mg/Kg		0.14	0.28
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Cadmium	1.00	mg/Kg		0.35	0.35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	10	Calcium	23200	mg/Kg		32	35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Chromium	22.3	mg/Kg		0.35	0.35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Cobalt	6.44	mg/Kg		0.35	0.35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Copper	47.2	mg/Kg		0.35	0.7
19B7 (0-4") 20200206	CF29350	E160.3	2/6/2020	1	SOLIDS, PERCENT	89	%		0	0
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	10	Iron	16400	mg/Kg		35	35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Lead	499	mg/Kg		0.35	0.7
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Magnesium	3130	mg/Kg		3.5	3.5
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	Heptachlor epoxide		ug/Kg	U	38	38
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	Endosulfan sulfate		ug/Kg	U	36	36
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	Aldrin		ug/Kg	U	7.2	7.2
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	a-BHC		ug/Kg	U	7.2	7.2
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	b-BHC		ug/Kg	U	7.2	7.2
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	d-BHC		ug/Kg	U	36	36
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	Endosulfan II		ug/Kg	U	36	36
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	4,4' -DDT	59	ug/Kg		11	11
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	a-Chlordane		ug/Kg	U	18	18
19B7 (0-4") 20200206	CF29350	SW8081	2/6/2020	10	g-Chlordane		ug/Kg	U	730	730



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Endrin ketone		ug/Kg	U	36	36
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Chlordane		ug/Kg	U	180	180
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	g-BHC		ug/Kg	U	7.2	7.2
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Dieldrin	28	ug/Kg		18	18
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Endrin		ug/Kg	U	18	18
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Methoxychlor		ug/Kg	U	180	180
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	4,4' -DDD	62	ug/Kg		11	11
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	4,4' -DDE		ug/Kg	U	7.2	7.2
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Endrin aldehyde		ug/Kg	UJ	36	36
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Heptachlor		ug/Kg	U	36	36
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Toxaphene		ug/Kg	U	720	720
19B7 (0-4') 20200206	CF29350	SW8081	2/6/2020	10	Endosulfan I		ug/Kg	U	36	36
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	72	72
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	UJ	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.57	23
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.7	29
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	UJ	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.7



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Tetrachloroethene	3.6	ug/Kg	J	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.7	29
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	23
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Acetone	12	ug/Kg	J	5.7	29
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.3	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.7	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	23	110
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.7	34
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.57	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.7	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.1	5.7
19B7 (0-4') 20200206	CF29350	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.57	5.7



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (0-4) 20200206	CF29350	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.7
19B7 (0-4) 20200206	CF29350	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.57	5.7
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1900
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	170	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	260	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,4-Dimethylphenol	380	ug/Kg		92	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	170	740
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Phenol		ug/Kg	U	120	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	100	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	96	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	150	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	120	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Dibenzofuran	5000	ug/Kg		110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	97	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Acenaphthylene	4000	ug/Kg		100	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	260	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	260	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Dibenz(a,h)anthracene	4100	ug/Kg		120	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	110	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	130	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	100	150
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Acenaphthene	5700	ug/Kg		110	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	120	260
19B7 (0-4) 20200206	CF29350	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	99	260



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	96	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Fluorene	6900	ug/Kg		120	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Carbazole	5300	ug/Kg		190	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	140	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	260	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	240	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Methylnaphthalene	3500	ug/Kg		110	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	110	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	1,1-Biphenyl	620	ug/Kg		110	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	110	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	120	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	260	740
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)	670	ug/Kg		150	260
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Anthracene	14000	ug/Kg		1200	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Pyrene	59000	ug/Kg		1300	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Benzo(ghi)perylene	14000	ug/Kg		1200	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Indeno(1,2,3-cd)pyrene	17000	ug/Kg		1200	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Benzo(b)fluoranthene	20000	ug/Kg		1300	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Fluoranthene	64000	ug/Kg		1200	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Benzo(k)fluoranthene	19000	ug/Kg		1200	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Chrysene	25000	ug/Kg		1300	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Benzo(a)pyrene	29000	ug/Kg		1200	1500
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Benz(a)anthracene	30000	ug/Kg		1300	2600
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Phenanthrene	58000	ug/Kg		1100	1500
19B7 (0-4') 20200206	CF29350	SW8270	2/6/2020	10	Naphthalene	9800	ug/Kg		1100	2600
19B7 (0-4') 20200206	CF29350	SW8270C-SIM	2/6/2020	10	1,4-dioxane		ug/Kg	U	150	150
19B7 (0-4') 20200206	CF29350	SW6010	2/6/2020	100	Manganese	1990	mg/Kg		35	35
19B7 (0-4') 20200206	CF29350	SW7471	2/6/2020	10	Mercury	0.97	mg/Kg	J-	0.08	0.13
19B7 (0-4') 20200206	CF29350	SW6010	2/6/2020	1	Nickel	20.5	mg/Kg		0.35	0.35



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Potassium	1560	mg/Kg		2.7	7
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Selenium	2.5	mg/Kg		1.2	1.4
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.35	0.35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Sodium	483	mg/Kg		3.0	7
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.4	1.4
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Vanadium	26.5	mg/Kg		0.35	0.35
19B7 (0-4") 20200206	CF29350	SW6010	2/6/2020	1	Zinc	278	mg/Kg		0.35	0.7
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	10	Aluminum	4570	mg/Kg		6.3	31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.1	3.1
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Arsenic	1.56	mg/Kg		0.63	0.63
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Barium	33.3	mg/Kg		0.31	0.6
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Beryllium	0.28	mg/Kg		0.13	0.25
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Cadmium	0.41	mg/Kg		0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Calcium	1620	mg/Kg		2.9	3.1
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Chromium	12.9	mg/Kg		0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Cobalt	5.49	mg/Kg		0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Copper	18.9	mg/Kg		0.31	0.6
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	10	Iron	15100	mg/Kg		31	31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Lead	4.0	mg/Kg		0.31	0.6
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Magnesium	2380	mg/Kg		3.1	3.1
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	10	Manganese	285	mg/Kg		3.1	3.1
19B7 (23-25") 20200206	CF29351	SW7471	2/6/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Nickel	22.1	mg/Kg		0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Potassium	992	mg/Kg		2.4	6
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Sodium	207	mg/Kg	J	2.7	6
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Vanadium	24.2	mg/Kg		0.31	0.31
19B7 (23-25") 20200206	CF29351	SW6010	2/6/2020	1	Zinc	44.0	mg/Kg	J	0.31	0.6
19B7 (23-25") 20200206	CF29351	E160.3	2/6/2020	1	SOLIDS, PERCENT	96	%		0	0
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	6.8	6.8
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	6.8	6.8
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.4	3.4
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	6.8	6.8
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	6.8	6.8
19B7 (23-25") 20200206	CF29351	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	6.8	6.8



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.0	2.0
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	34	34
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Endrin		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	34	34
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.0	2.0
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.0	2.0
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B7 (23-25) 20200206	CF29351	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	6.8	6.8
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	68	68
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.65	26
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.5	33
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.65	6.5



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.3	13
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	6.5	33
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.3	26
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Acetone		ug/Kg	UJ	6.5	33
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.6	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	6.5	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	26	130
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	6.5	39
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	6.5	6.5



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.3	6.5
19B7 (23-25) 20200206	CF29351	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.65	6.5
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	110	1700
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	150	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	240	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	84	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	680
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	92	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	94	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	98	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	88	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	99	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Anthracene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	130	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Pyrene		ug/Kg	U	120	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	99	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	88	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Fluoranthene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	95	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Chrysene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	94	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	240	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	240	240



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benz(a)anthracene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	96	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	95	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	90	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Phenanthrene		ug/Kg	U	97	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	88	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	170	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	120	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	98	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	96	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	100	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	96	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	240
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	240	680
19B7 (23-25) 20200206	CF29351	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	130	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25') 20200206	CF29351	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	68	68
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	10	Aluminum	7350	mg/Kg		7.0	35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.5	3.5
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Arsenic	3.85	mg/Kg		0.70	0.70
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Barium	138	mg/Kg		0.35	0.7
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Beryllium	0.34	mg/Kg		0.14	0.28
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Cadmium	0.92	mg/Kg		0.35	0.35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	10	Calcium	22400	mg/Kg		32	35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Chromium	24.7	mg/Kg		0.35	0.35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Cobalt	5.64	mg/Kg		0.35	0.35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Copper	36.1	mg/Kg		0.35	0.7
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	10	Iron	14500	mg/Kg		35	35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Lead	268	mg/Kg		0.35	0.7
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Magnesium	3170	mg/Kg		3.5	3.5
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	10	Manganese	262	mg/Kg		3.5	3.5
19B8 (0-4') 20200206	CF29352	SW7471	2/6/2020	10	Mercury	2.15	mg/Kg	J-	0.09	0.14
19B8 (0-4') 20200206	CF29352	E160.3	2/6/2020	1	SOLIDS, PERCENT	91	%		0	0
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Nickel	21.5	mg/Kg		0.35	0.35
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Potassium	1340	mg/Kg		2.7	7
19B8 (0-4') 20200206	CF29352	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.2	1.4
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.6	3.6
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.2	2.2
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.6	3.6
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.6	3.6
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	36	36
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.5	1.5
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.6	3.6
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Endrin		ug/Kg	U	7.3	7.3
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	36	36
19B8 (0-4') 20200206	CF29352	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.2	2.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (0-4") 20200206	CF29352	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.2	2.2
19B8 (0-4") 20200206	CF29352	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	7.3	7.3
19B8 (0-4") 20200206	CF29352	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	7.3	7.3
19B8 (0-4") 20200206	CF29352	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	150	150
19B8 (0-4") 20200206	CF29352	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	7.3	7.3
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.58	23
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.8	29
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Tetrachloroethene	1.2	ug/Kg	J	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	5.8



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.8	29
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	23
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Acetone	21	ug/Kg	J	5.8	29
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.3	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.8	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	23	120
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.8	35
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.8	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	5.8
19B8 (0-4") 20200206	CF29352	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.58	5.8
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	170	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	UJ	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Caprolactam		ug/Kg	UJ	260	260



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	UJ	91	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	UJ	170	730
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Phenol		ug/Kg	UJ	120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	99	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	UJ	100	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate	460	ug/Kg		110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	94	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Anthracene	2600	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	UJ	130	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Dibenzofuran	530	ug/Kg		110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	95	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzo(ghi)perylene	3600	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene	4300	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzo(b)fluoranthene	5400	ug/Kg		130	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzo(k)fluoranthene	4500	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Acenaphthylene	1300	ug/Kg		100	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Chrysene	6700	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	UJ	100	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzo(a)pyrene	6900	ug/Kg		120	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	260	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	260	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Dibenz(a,h)anthracene	980	ug/Kg		120	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benz(a)anthracene	6900	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	UJ	130	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	UJ	120	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	UJ	100	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	UJ	110	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Isophorone		ug/Kg	UJ	730	730
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Acenaphthene	870	ug/Kg		110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	120	260



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	97	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	94	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Fluorene	900	ug/Kg		120	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Carbazole	1000	ug/Kg		180	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	UJ	130	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	140	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	260	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	UJ	230	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Naphthalene	240	ug/Kg	J+	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Methylnaphthalene	290	ug/Kg	J+	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	100	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	UJ	170	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	UJ	100	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	UJ	130	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Acetophenone		ug/Kg	UJ	110	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	UJ	130	150
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	260	730
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	UJ	140	260
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	10	Pyrene	18000	ug/Kg		1300	2600
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	10	Fluoranthene	19000	ug/Kg		1200	2600
19B8 (0-4") 20200206	CF29352	SW8270	2/6/2020	10	Phenanthrene	14000	ug/Kg		1000	1500
19B8 (0-4") 20200206	CF29352	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	73	73
19B8 (0-4") 20200206	CF29352	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.35	0.35
19B8 (0-4") 20200206	CF29352	SW6010	2/6/2020	1	Sodium	335	mg/Kg		3.0	7
19B8 (0-4") 20200206	CF29352	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.4	1.4
19B8 (0-4") 20200206	CF29352	SW6010	2/6/2020	1	Vanadium	23.0	mg/Kg		0.35	0.35
19B8 (0-4") 20200206	CF29352	SW6010	2/6/2020	1	Zinc	203	mg/Kg		0.35	0.7
19B8 (23-25") 20200206	CF29353	SW6010	2/6/2020	10	Aluminum	3080	mg/Kg		7.3	37
19B8 (23-25") 20200206	CF29353	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.7	3.7
19B8 (23-25") 20200206	CF29353	SW6010	2/6/2020	1	Arsenic	1.69	mg/Kg		0.73	0.73
19B8 (23-25") 20200206	CF29353	SW6010	2/6/2020	1	Barium	24.6	mg/Kg		0.37	0.7
19B8 (23-25") 20200206	CF29353	SW6010	2/6/2020	1	Beryllium	0.22	mg/Kg	J	0.15	0.29



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Cadmium	0.46	mg/Kg		0.37	0.37
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Calcium	1580	mg/Kg		3.4	3.7
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Chromium	11.2	mg/Kg		0.37	0.37
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Cobalt	7.45	mg/Kg		0.37	0.37
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Copper	16.7	mg/Kg		0.37	0.7
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	10	Iron	15700	mg/Kg		37	37
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Lead	5.8	mg/Kg		0.37	0.7
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Magnesium	1490	mg/Kg		3.7	3.7
19B8 (23-25) 20200206	CF29353	E160.3	2/6/2020	1	SOLIDS, PERCENT	95	%		0	0
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	10	Manganese	317	mg/Kg		3.7	3.7
19B8 (23-25) 20200206	CF29353	SW7471	2/6/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Nickel	21.0	mg/Kg		0.37	0.37
19B8 (23-25) 20200206	CF29353	SW6010	2/6/2020	1	Potassium	610	mg/Kg		2.9	7
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.5	3.5
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.5	3.5
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.5	3.5
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	35	35
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.5	3.5
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	35	35
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
19B8 (23-25) 20200206	CF29353	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	69	69



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	69	69
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.60	24
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.0	30
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	6.0	30
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	24
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Acetone	15	ug/Kg	J	6.0	30
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.4	6.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	6.0	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	24	120
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	6.0	36
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	6.0	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	6.0
19B8 (23-25) 20200206	CF29353	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.60	6.0
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	120	1700
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	160	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	240	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	86	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	690
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	93	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	95	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	89	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Anthracene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Pyrene		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	100	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	90	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Fluoranthene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	97	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Chrysene		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	96	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	240	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	240	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benz(a)anthracene		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	98	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	100	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	97	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	92	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Phenanthrene		ug/Kg	U	99	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	89	240
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B8 (23-25) 20200206	CF29353	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	110	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	170	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	130	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	240	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	100	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	98	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	110	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	98	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	240
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	240	690
19B8 (23-25`) 20200206	CF29353	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	240
19B8 (23-25`) 20200206	CF29353	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	70	70
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.2	1.5
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.37	0.37
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Sodium	109	mg/Kg	J	3.1	7
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Vanadium	28.4	mg/Kg		0.37	0.37
19B8 (23-25`) 20200206	CF29353	SW6010	2/6/2020	1	Zinc	20.9	mg/Kg	J	0.37	0.7
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	10	Aluminum	3470	mg/Kg		6.8	34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Antimony		mg/Kg	U	3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Arsenic	1.14	mg/Kg		0.68	0.68
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Barium	37.2	mg/Kg		0.34	0.7
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Beryllium	0.25	mg/Kg	J	0.14	0.27
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Cadmium	0.44	mg/Kg		0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Calcium	1520	mg/Kg		3.1	3.4
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Chromium	9.97	mg/Kg		0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Cobalt	5.99	mg/Kg		0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Copper	16.3	mg/Kg		0.34	0.7
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	10	Iron	12800	mg/Kg		34	34



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Lead	4.8	mg/Kg		0.34	0.7
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Magnesium	1860	mg/Kg		3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	10	Manganese	274	mg/Kg		3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW7471	2/6/2020	2	Mercury		mg/Kg	UJ	0.02	0.03
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Nickel	21.2	mg/Kg		0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Potassium	755	mg/Kg		2.6	7
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Selenium		mg/Kg	U	1.2	1.4
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Silver		mg/Kg	U	0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Sodium	184	mg/Kg		2.9	7
SOIL DUPLICATE 20200206	CF29354	E160.3	2/6/2020	1	SOLIDS, PERCENT	97	%		0	0
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Thallium		mg/Kg	U	1.4	1.4
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Vanadium	40.0	mg/Kg		0.34	0.34
SOIL DUPLICATE 20200206	CF29354	SW6010	2/6/2020	1	Zinc	56.1	mg/Kg		0.34	0.7
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Heptachlor epoxide		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endosulfan sulfate		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Aldrin		ug/Kg	U	3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	a-BHC		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	b-BHC		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	d-BHC		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endosulfan II		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	4,4' -DDT		ug/Kg	U	2.0	2.0
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	a-Chlordane		ug/Kg	U	3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	g-Chlordane		ug/Kg	U	3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endrin ketone		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Chlordane		ug/Kg	U	34	34
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	g-BHC		ug/Kg	U	1.4	1.4
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Dieldrin		ug/Kg	U	3.4	3.4
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endrin		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Methoxychlor		ug/Kg	U	34	34
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	4,4' -DDD		ug/Kg	U	2.0	2.0
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	4,4' -DDE		ug/Kg	U	2.0	2.0
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endrin aldehyde		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Heptachlor		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Toxaphene		ug/Kg	U	140	140
SOIL DUPLICATE 20200206	CF29354	SW8081	2/6/2020	2	Endosulfan I		ug/Kg	U	6.8	6.8
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1260		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1254		ug/Kg	U	68	68



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SOILS
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1268		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1221		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1232		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1248		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1016		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1262		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8082	2/6/2020	2	PCB-1242		ug/Kg	U	68	68
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.57	23
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.7	29
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.7	29
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	23
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Acetone	6.0	ug/Kg	J	5.7	29
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.3	5.7



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCF29346**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.7	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	23	110
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.7	34
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.7	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.7
SOIL DUPLICATE 20200206	CF29354	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.57	5.7
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Nitroaniline		ug/Kg	U	110	1700
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Nitrophenol		ug/Kg	U	150	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzaldehyde		ug/Kg	U	100	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Caprolactam		ug/Kg	U	240	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,4-Dimethylphenol		ug/Kg	U	84	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Chloroaniline		ug/Kg	U	160	680
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Phenol		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Bis(2-chloroethyl)ether		ug/Kg	UJ	92	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	94	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	98	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Di-n-octylphthalate		ug/Kg	U	87	240



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Hexachlorobenzene		ug/Kg	U	99	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Anthracene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,4-Dinitrotoluene		ug/Kg	U	130	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Pyrene		ug/Kg	U	120	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Dimethylphthalate		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Dibenzofuran		ug/Kg	U	99	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Atrazine		ug/Kg	U	88	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzo(ghi)perylene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Fluoranthene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzo(k)fluoranthene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Acenaphthylene		ug/Kg	U	95	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Chrysene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	94	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,4-Dinitrophenol		ug/Kg	U	240	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	U	240	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benz(a)anthracene		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	N-Nitrosodimethylamine		ug/Kg	U	96	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Hexachloroethane		ug/Kg	U	100	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Hexachlorocyclopentadiene		ug/Kg	U	100	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Isophorone		ug/Kg	U	95	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Acenaphthene		ug/Kg	U	100	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Diethyl phthalate		ug/Kg	U	110	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Di-n-butylphthalate		ug/Kg	U	90	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Phenanthrene		ug/Kg	U	97	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Benzyl butyl phthalate		ug/Kg	U	87	240
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
SOIL DUPLICATE 20200206	CF29354	SW8270	2/6/2020	1	Fluorene		ug/Kg	U	110	240



**1015 ATLANTIC AVENUE
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DATA SUMMARY TABLE
SOILS
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Carbazole		ug/Kg	U	170	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Hexachlorobutadiene		ug/Kg	U	120	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Pentachlorophenol		ug/Kg	U	130	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Nitroaniline		ug/Kg	U	240	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Nitrophenol		ug/Kg	U	210	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Naphthalene		ug/Kg	U	98	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Chloronaphthalene		ug/Kg	U	96	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	1,1-Biphenyl		ug/Kg	U	100	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2-Chlorophenol		ug/Kg	U	96	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Acetophenone		ug/Kg	U	110	240
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	Nitrobenzene		ug/Kg	U	120	140
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	3-Nitroaniline		ug/Kg	U	240	680
SOIL DUPLICATE_20200206	CF29354	SW8270	2/6/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	130	240
SOIL DUPLICATE_20200206	CF29354	SW8270C-SIM	2/6/2020	1	1,4-dioxane		ug/Kg	U	68	68
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Ethylbenzene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Styrene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	cis-1,3-Dichloropropene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	trans-1,3-Dichloropropene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	1,4-Dichlorobenzene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	1,2-Dibromoethane		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Acrolein		ug/Kg	U	50	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	1,2-Dichloroethane		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Acrylonitrile		ug/Kg	U	25	1000
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	4-Methyl-2-pentanone		ug/Kg	U	250	1300
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Methylcyclohexane		ug/Kg	U	50	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Toluene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Chlorobenzene		ug/Kg	U	25	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Cyclohexane		ug/Kg	U	50	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	1,4-dioxane		ug/Kg	U	2000	3800
CF29355-TB_20200206	CF29355	SW8260	2/6/2020	50	Dibromochloromethane		ug/Kg	U	50	250



**1015 ATLANTIC AVENUE
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DATA SUMMARY TABLE
SOILS
SDG: GCF29346**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Tetrachloroethene		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	cis-1,2-Dichloroethene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	trans-1,2-Dichloroethene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	50	500
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	m&p-Xylene		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,3-Dichlorobenzene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Carbon tetrachloride		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	2-Hexanone		ug/Kg	U	250	1300
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	50	1000
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Acetone		ug/Kg	U	250	1300
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Chloroform		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Benzene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1,1-Trichloroethane		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Bromomethane		ug/Kg	U	100	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Chloromethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Bromochloromethane		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Chloroethane		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Vinyl chloride		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Methylene chloride		ug/Kg	U	250	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Carbon Disulfide		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Bromoform		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Bromodichloromethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1-Dichloroethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1-Dichloroethene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Tert-butyl alcohol		ug/Kg	U	1000	5000
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Trichlorofluoromethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Dichlorodifluoromethane		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Trichlorotrifluoroethane		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,2-Dichloropropane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Methyl ethyl ketone		ug/Kg	U	250	1500
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1,2-Trichloroethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Trichloroethene		ug/Kg	U	25	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Methylacetate		ug/Kg	U	250	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	o-Xylene		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,2-Dichlorobenzene		ug/Kg	U	25	250



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	50	250
CF29355-TB 20200206	CF29355	SW8260	2/6/2020	50	Isopropylbenzene		ug/Kg	U	25	250
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Ethylbenzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Styrene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2-Dibromoethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Acrolein		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2-Dichloroethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Acrylonitrile		ug/Kg	U	0.50	20
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.0	25
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Toluene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Chlorobenzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Cyclohexane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,4-dioxane		ug/Kg	U	40	75
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Tetrachloroethene		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	m&p-Xylene		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	2-Hexanone		ug/Kg	U	5.0	25
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Acetone		ug/Kg	U	5.0	25
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Chloroform		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Benzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Bromomethane		ug/Kg	U	2.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Chloromethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Bromochloromethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Chloroethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Vinyl chloride		ug/Kg	U	0.50	5.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Methylene chloride		ug/Kg	U	5.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Bromoform		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1-Dichloroethene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Tert-butyl alcohol		ug/Kg	U	20	100
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Methyl ethyl ketone		ug/Kg	U	5.0	30
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Trichloroethene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Methylacetate		ug/Kg	U	5.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	o-Xylene		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.50	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.0
CF29356-TB 20200206	CF29356	SW8260	2/6/2020	1	Isopropylbenzene		ug/Kg	U	0.50	5.0

DATA USABILITY SUMMARY REPORT (DUSR)
PERFLUORINATED ALKYL SUBSTANCES (PFAS)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: L2006051
Laboratory: Alpha Analytical	Date: 03/24/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B1 (0-4)	L2006051-01	02/10/2020	PFAS	Soil
19B1 (23-25)	L2006051-02	02/10/2020	PFAS	Soil
19B2 (0-4)	L2006051-03	02/10/2020	PFAS	Soil
19B2 (23-25)	L2006051-04	02/10/2020	PFAS	Soil
19B6 (23-25)	L2006051-05	02/10/2020	PFAS	Soil
SOIL DUPLICATE 2	L2006051-06	02/10/2020	PFAS	Soil
Rinsate Blank 2	L2006051-07	02/10/2020	PFAS	Soil

Summary - Data validation was performed on the data for six (6) soil samples and one (1) rinsate blank that were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/10/2020 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. The case narrative noted that the collection times were corrected for all samples upon the client's request. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 28 days following sample extraction.

Qualification: None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

Qualification: None required.

Surrogates – M3PFBS, M5PFHXA, M8PFOS, D3-NMEFOSAA and in sample 19B1 (0-4) and D3-NMEFOSAA in sample 19B1 (23-25) were outside the QC acceptance limits. The remaining surrogate %REC values were within the QC acceptance limits.

Qualification: Results for PFHxA, and PFOS in sample 19B1 (0-4) were qualified as estimated bias low (J-). Non-detect results for NMEFOSAA and PFBS in sample 19B1 (0-4) and NMEFOSAA in sample 19B1 (23-25) were qualified as estimated (UJ).

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1340765-1 BL) associated with the samples extracted on 02/14/2020 and analyzed on 02/22/2020. The method blank prepared and analyzed with these samples contained PFHxA (0.568 ng/L), PFHxS (0.696 ng/L), and PFOS (0.588 ng/L). Result for PFHxS in the associated sample was non-detect.

Qualification: Results for PFHxA and PFOS in Rinsate Blank 2 were qualified as non-detect (U and raised to the RL).

– Method Blank (WG1340436-1 BL) associated with the samples extracted on 02/13/2020 and analyzed on 02/22/2020. The method blank prepared and analyzed with these samples contained PFBA (0.084 µg/Kg).

Qualification: The results for PFBA in sample 19B1 (0-4) and 19B2 (0-4) were qualified as non-detect (U and raised to the RL).

– Rinsate Blank (L2006051-07) associated with the soil samples collected on 02/10/2020 and analyzed on 02/22/2020. The Rinsate Blank 2 contained PFHxA (0.377 ng/L) and PFOS (0.627 ng/L). Results for PFHxA and PFOS in the Rinsate Blank 2 were qualified as non-detect due to method blank contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1340436-2/3 were analyzed on 02/22/2020. All %RECs and RPDs were within the laboratory control limits with the exception of 8:2FTS (169% %R). Result for 8:2FTS was non-detect in the associated sample.

Qualification: None required.

– Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1340765-2/3 were analyzed on 02/22/2020. All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/Matrix Spike Duplicate (MSD) were performed on sample 19B6 (23-25) (L2006051-05). %RECs/RPDs were within the laboratory control limits with the exception of PFBS (131% and 131%), PFOA (135% and 134%), PFHpS (133%), 8:2FTS (156% and 160%), PFDS (143%), NEtFOSAA (146%), PFTrDA (141%), and PFTA (134%). Results for PFBS, PFOA, PFHpS, 8:2FTS, PFDS, NEtFOSAA, PFTrDA, and PFTA were non-detect in the parent sample.

Qualification: None required.

Field Duplicate – Soil Duplicate 2 (Lab Sample ID: L2006051-06) was the field duplicate sample of 19B6 (23-25) (Lab Sample ID: L2006051-05). The FD sample results for detected

PFAS in the FD sample pair are summarized in the table below. Result for PFOA and Total PFOA/PFOS were detected in the field duplicate but were non-detect in the field sample.

Lab Sample ID	L2006051-05		L2006051-06		
Client Sample ID	19B6 (23-25)		Soil Duplicate 2		
Collection Date	02/10/2020		02/10/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
PFOA	ND	U	0.05	J	NC
PFOA/PFOS, TOTAL	ND	U	0.05	J	NC

Qualification: The results for PFOA and Total PFOA/PFOS in samples 19B6 (23-25) and Soil Duplicate 2 were qualified as estimated (UJ/J, respectively).

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Data Review Summary – The PFAS results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2006051 at the end of the data validation report.



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DATA SUMMARY TABLE
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SDG: L2006051

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (0-4)	L2006051-01	A2540G	2/10/2020	1	SOLIDS, TOTAL	88.2	percent		0.1	0.1
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.303	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.19	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.089	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	UJ	0.213	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PFOA/PFOS, TOTAL	1.13	ug/kg	J	0.044	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	UJ	0.041	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	1.06	ug/kg	U	0.024	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.162	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.071	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.074	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.144	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	0.079	ug/kg	J	0.048	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.064	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.085	ug/kg	J-	0.056	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.079	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.104	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.507	ug/kg	J-	0.137	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.62	ug/kg	J	0.044	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	0.049	ug/kg	J	0.049	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.057	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.216	1.06
19B1 (0-4)	L2006051-01	E537(M)	2/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)	0.207	ug/kg	J	0.05	1.06
19B1 (23-25)	L2006051-02	A2540G	2/10/2020	1	SOLIDS, TOTAL	93.1	percent		0.1	0.1
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.273	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.171	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.08	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	UJ	0.192	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PFOA/PFOS, TOTAL	0.061	ug/kg	J	0.04	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.037	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.022	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.145	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.064	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.067	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.13	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.043	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.058	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)		ug/kg	U	0.05	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.071	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.093	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.124	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.061	ug/kg	J	0.04	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.044	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.051	0.95
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.194	0.95



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SOIL
SDG: L2006051

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B1 (23-25)	L2006051-02	E537(M)	2/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.045	0.95
19B2 (0-4)	L2006051-03	A2540G	2/10/2020	1	SOLIDS, TOTAL	88.7	percent		0.1	0.1
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.3	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.188	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.088	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.211	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PFOA/PFOS, TOTAL	0.468	ug/kg	J	0.044	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.041	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	1.05	ug/kg	U	0.024	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.16	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.07	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.073	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.143	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.047	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.063	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.08	ug/kg	J	0.055	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.079	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.102	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.232	ug/kg	J	0.136	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.236	ug/kg	J	0.044	1.05
19B2 (0-4)	L2006051-03	E537(M)	2/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	0.056	ug/kg	J	0.048	1.05

DATA USABILITY SUMMARY REPORT (DUSR)
PERFLUORINATED ALKYL SUBSTANCES (PFAS)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: L2009600
Laboratory: Alpha Analytical	Date: 04/06/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19SB3 (0-4')	L2009600-01	03/02/2020	PFAS	Soil
19SB3 (23-25')	L2009600-02	03/02/2020	PFAS	Soil
PFAS DUPLICATE	L2009600-03	03/02/2020	PFAS	Soil
Rinsate Blank 2/25/2020	L2009600-04	03/02/2020	PFAS	Soil

Summary - Data validation was performed on the data for three (3) soil samples and one (1) rinsate blank that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/02/2020 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. The case narrative noted that the collection times were corrected for all samples upon the client's request. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/04/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 28 days following sample extraction.

Qualification: None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

Qualification: None required.

Surrogates – M7-PFUNDA, M8FOSA, D5-NETFOSAA, MPFDOA, M2PFTEDA in Rinsate Blank 2/25/2020 were outside the QC acceptance limits. The remaining surrogate %REC values were within the QC acceptance limits. Results for FOSA, NETFOSAA, PFDOA, PFTRDA, and PFUNA were non-detect in Rinsate Blank 2/25/2020.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the four internal standards with the exception of M2PFDA in sample Rinsate Blank 2/25/2020. Result in

Rinsate Blank 2/25/2020 sample was non-detect.

Qualification: None required.

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1347969-1 BL) associated with the samples extracted on 03/06/2020 and analyzed on 03/10/2020. The method blank prepared and analyzed with these samples contained PFBA (0.192 ng/L). Result for PFBA in the associated sample was non-detect.

Qualification: None required.

– Method Blank (WG1347919-1 BL) associated with the samples extracted on 03/06/2020 and analyzed on 03/10/2020. The method blank prepared and analyzed with these samples was free of contamination.

Qualification: None required.

– Rinsate Blank 2/25/2020 (L2009600-04) associated with the soil samples collected on 03/02/2020 and analyzed on 03/09/2020. The Rinsate Blank contained PFPeA (17.1 ng/L), PFHxA (13.7 ng/L), and PFOS (52.3 ng/L). Results for PFHxA were >blank concentration in the associated field samples. Results for PFPeA were non-detect in the associated field samples.

Qualification: Result for PFOS in sample 19SB3 (0-4') was qualified as estimated (J) due to possible rinsate blank contamination.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1347919-2/3 were analyzed on 03/11/2020. All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

– Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1347969-2/3 were analyzed on 03/10/2020. All %RECs and RPDs were within the laboratory control limits with the exception of FOSA (38% RPD). Result for FOSA in the associated samples were non-detect.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS) was performed on sample 19B3 (0-4') (L2009600-01). %RECs were within the laboratory control limits.

Qualification: None required.

Laboratory Duplicate (LD) – Laboratory Duplicate (LD) were performed on sample 19SB3 (23-25') (L2009600-02). All RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – PFAS Duplicate (Lab Sample ID: L2009600-03) was the field duplicate sample of 19SB3 (0-4) (Lab Sample ID: L2009600-01). The FD sample results for detected PFAS in the FD sample pair are summarized in the table below. Result for PFOS was detected in the field sample but was non-detect in the field duplicate sample.

Lab Sample ID	L2009600-01		L2009600-03		
Client Sample ID	19SB3 (0-4)		PFAS Duplicate		
Collection Date	02/10/2020		02/10/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
PFHXA	0.065	J	0.059	J	9.7
PFOA	0.131	J	0.111	J	16.5
PFOS	0.152	J	ND	U	NC
PFOS, TOTAL	0.283	J	0.111	J	87.3

Qualification: The results Total PFOS in samples 19SB3 (0-4) and PFAS Duplicate were qualified as estimated (J). Result for PFOS in samples 19SB3 (0-4) and PFAS Duplicate were qualified as estimated (J/UJ, respectively).

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Data Review Summary – The PFAS results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2009600 at the end of the data validation report.



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: L2009600

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.188	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.3	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.102	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.088	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.211	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.024	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.041	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.07	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.073	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.16	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.047	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.143	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.065	ug/kg	J	0.055	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.063	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.079	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.131	ug/kg	J	0.044	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.152	ug/kg	J	0.136	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PFOA/PFOS, TOTAL	0.283	ug/kg	J	0.044	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.048	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.057	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.214	1.05
19SB3 (0-4)	L2009600-01	E537(M)	3/2/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.049	1.05
19SB3 (0-4)	L2009600-01	A2540G	3/2/2020	1	SOLIDS, TOTAL	90.8	percent		0.1	0.1
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.445	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.712	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.243	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.21	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.5	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.056	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.097	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.166	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.174	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.38	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.112	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.339	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)		ug/kg	U	0.13	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.15	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.186	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ug/kg	U	0.104	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.323	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PFOA/PFOS, TOTAL		ug/kg	U	0.104	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.114	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.134	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.507	2.48
19SB3 (23-25)	L2009600-02	E537(M)	3/2/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.116	2.48
19SB3 (23-25)	L2009600-02	A2540G	3/2/2020	1	SOLIDS, TOTAL	36.8	percent		0.1	0.1
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.188	1.04



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: L2009600

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.3	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.102	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.088	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.21	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.024	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.041	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.07	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.073	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.16	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.047	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.143	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.059	ug/kg	J	0.055	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.063	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.078	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.111	ug/kg	J	0.044	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	UJ	0.136	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PFOA/PFOS, TOTAL	0.111	ug/kg	J	0.044	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.048	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.056	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.214	1.04
PFAS DUPLICATE	L2009600-03	E537(M)	3/2/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.049	1.04
PFAS DUPLICATE	L2009600-03	A2540G	3/2/2020	1	SOLIDS, TOTAL	88.8	percent		0.1	0.1
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ng/l	U	44.4	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	40.4	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	19.3	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	26.8	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	21.6	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ng/l	U	13.6	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ng/l	U	7.93	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	10.1	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	12.4	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	32.7	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ng/l	U	7.51	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	22.9	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	13.7	ng/l	J	10.9	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ng/l	U	12.5	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	10.4	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ng/l	U	7.87	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	52.3	ng/l	J	16.8	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PFOA/PFOS, TOTAL	52.3	ng/l	J	7.87	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	17.1	ng/l	J	13.2	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	8.27	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	10.9	66.7
RINSEATE BLANK 2/25/2020	L2009600-04	E537(M)	3/2/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	8.67	66.7

DATA USABILITY SUMMARY REPORT (DUSR)
PERFLUORINATED ALKYL SUBSTANCES (PFAS)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: L2005888
Laboratory: Alpha Analytical	Date: 03/20/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B4 (0-4')	L2005888-01	02/06/2020	PFAS	Soil
19B4 (23-25')	L2005888-02	02/06/2020	PFAS	Soil
19B5 (0-4')	L2005888-03	02/06/2020	PFAS	Soil
19B5 (23-25')	L2005888-04	02/06/2020	PFAS	Soil
19B6 (0-4')	L2005888-05	02/06/2020	PFAS	Soil
19B7 (0-4')	L2005888-06	02/06/2020	PFAS	Soil
19B7 (23-25')	L2005888-07	02/06/2020	PFAS	Soil
19B8 (0-4')	L2005888-08	02/06/2020	PFAS	Soil
19B8 (23-25')	L2005888-09	02/06/2020	PFAS	Soil
SOIL DUPLICATE	L2005888-10	02/06/2020	PFAS	Soil
Rinsate Blank	L2005888-11	02/06/2020	PFAS	Soil

Summary - Data validation was performed on the data for ten (10) soil samples and one (1) rinsate blank that were collected from 1015 Atlantic Ave, Brooklyn, NY on 02/06/2020 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. The case narrative noted that the collection times were corrected for all samples upon the client's request. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 02/10/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 28 days following sample extraction.

Qualification: None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

Qualification: None required.

Surrogates – M2-8:2FTS in Rinsate Blank sample and D3-NMEFOSAA and D5-NETFOSAA in samples 19B7 (23-25') and 19B8 (23-25') were outside the QC acceptance limits. The remaining

surrogate %REC values were within the QC acceptance limits. The 8:2FTS result in the Rinsate Blank was non-detect.

Qualification: Non-detect results for NMEFOSAA and NETFOSAA in sample 19B7 (23-25') and 19B8 (23-25') were qualified as estimated (UJ).

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1339942-1 BL) associated with the samples extracted on 02/12/2020 and analyzed on 02/19/2020. The method blank prepared and analyzed with these samples was free of contamination.

Qualification: None Required.

– Method Blank (WG1339844-1 BL) associated with the samples extracted on 02/12/2020 and analyzed on 02/19/2020. The method blank prepared and analyzed with these samples contained PFBA (0.099 µg/Kg).

Qualification: The result for PFBA in sample 19B4 (0-4) was qualified as non-detect (U and raised to the RL).

– Rinsate Blank (L2005888-11) associated with the soil samples collected on 02/06/2020 and analyzed on 02/19/2020. The Rinsate Blank contained PFHxA (0.331 ng/L). Results for PFHxA were >blank concentration in the associated field samples.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1339844-2/3 were analyzed on 02/20/2020. All %RECs and RPDs were within the laboratory control limits with the exception of 8:2FTS (138% and 154% %R). Result for 8:2FTS was non-detect in the associated sample.

Qualification: None required.

– Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1339942-2/3 were analyzed on 02/19/2020. All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS) was performed on sample 19B4 (0-4') (L2005888-01). %RECs were within the laboratory control limits.

Qualification: None required.

Laboratory Duplicate (LD) – Laboratory Duplicate (LD) were performed on sample 19B4 (23-25') (L2005888-02). All RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – Soil Duplicate (Lab Sample ID: L2005888-10) was the field duplicate sample of 19B7 (23-25') (Lab Sample ID: L2005888-07). The FD sample results for detected PFAS in the FD sample pair are summarized in the table below. The calculated %RPDs between detected FD sample results were less than 50% with the exception of PFOS and Total PFOA/PFOS.

Results for NETFOSAA, PFHXA, and PFOS were detected in the field duplicate but were non-detect in the field sample.

Lab Sample ID	L2004878-07		L2005888-10		
Client Sample ID	19B7 (23-25')		Soil Duplicate		
Collection Date	02/06/2020		02/06/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
NETFOSAA	ND	U	0.19	J	NC
PFHXA	ND	U	0.061	J	NC
PFOS	ND	U	0.224	J	NC
PFOA	0.047	J	0.169	J	113.0
PFOA/PFOS, TOTAL	0.047	J	0.393	J	157.3

Qualification: Results for PFOA and Total PFOA/PFOS were qualified as estimated (J) in the field duplicate pair (SB8A (1-3) and Soil Duplicate). The results for NETFOSAA, PFHXA, and PFOS in the field duplicate pair (SB8A (1-3) and Soil Duplicate) were qualified as estimated (UJ/J, respectively).

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Data Review Summary – The PFAS results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2005888 at the end of the data validation report.



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: L2005888

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.3	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.188	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.088	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.211	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.062	ug/kg	J	0.055	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.041	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	1.05	ug/kg	U	0.024	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.16	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.07	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.073	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.143	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.047	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.063	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.153	ug/kg	J	0.136	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.079	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.102	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.231	ug/kg	J	0.044	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.384	ug/kg	J	0.044	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.048	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.057	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.214	1.05
19B4 (0-4)	L2005888-01	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.049	1.05
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.295	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.184	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.087	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.207	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	0.165	ug/kg	J	0.046	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.04	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.023	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.157	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.069	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.072	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.14	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.182	ug/kg	J	0.054	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.062	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.752	ug/kg	J	0.043	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.077	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.101	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.134	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	0.153	ug/kg	J	0.047	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.752	ug/kg	J	0.043	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.056	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.21	1.03
19B4 (23-25)	L2005888-02	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.048	1.03
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.291	1.01



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: L2005888

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.182	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.086	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.204	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROHXANOIC ACID (PFHXA)	0.067	ug/kg	J	0.053	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.04	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.023	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.155	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.068	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.071	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.138	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.046	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROHXANESULFONIC ACID (PFHXS)		ug/kg	U	0.061	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.136	ug/kg	J	0.132	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.076	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.099	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.205	ug/kg	J	0.043	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	0.064	ug/kg	J	0.047	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.341	ug/kg	J	0.043	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.055	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.208	1.01
19B5 (0-4)	L2005888-03	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.048	1.01
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.286	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.179	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.084	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.201	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.082	ug/kg	J	0.042	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.039	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.023	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.152	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.067	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.07	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.136	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.045	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROHXANESULFONIC ACID (PFHXS)		ug/kg	U	0.06	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.082	ug/kg	J	0.042	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.075	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.098	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.13	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.046	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.054	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.204	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.047	0.997
19B5 (23-25)	L2005888-04	E537(M)	2/6/2020	1	PERFLUOROHXANOIC ACID (PFHXA)		ug/kg	U	0.052	0.997
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROHXANOIC ACID (PFHXA)	0.051	ug/kg	J	0.049	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.266	0.927



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.166	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.078	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.187	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.171	ug/kg	J	0.12	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.036	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.021	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.142	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.062	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.065	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.126	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.042	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.056	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.172	ug/kg	J	0.039	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.07	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.091	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	0.047	ug/kg	J	0.043	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.343	ug/kg	J	0.039	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.05	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.19	0.927
19B6 (0-4)	L2005888-05	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.043	0.927
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.317	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.198	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.093	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.222	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL		ug/kg	U	0.046	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.043	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.025	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.169	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.074	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.077	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.151	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.05	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.067	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.083	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.108	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.143	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ug/kg	U	0.046	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.051	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.06	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.226	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.052	1.1
19B7 (0-4)	L2005888-06	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)		ug/kg	U	0.058	1.1
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	UJ	0.083	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)		ug/kg	UJ	0.052	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.282	0.984



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.177	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	UJ	0.128	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	UJ	0.198	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.038	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.022	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.15	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.066	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.069	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.134	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.044	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.06	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.074	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.096	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.047	ug/kg	J	0.041	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.045	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.053	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.201	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.046	0.984
19B7 (23-25)	L2005888-07	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.047	ug/kg	J	0.041	0.984
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.08	ug/kg	J	0.055	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.38	ug/kg	J	0.136	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.3	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.188	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	U	0.088	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.21	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.515	ug/kg	J	0.044	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.041	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.024	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.16	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.07	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.073	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.143	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.047	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.063	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.078	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.102	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.895	ug/kg	J	0.044	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.048	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.056	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.214	1.04
19B8 (0-4)	L2005888-08	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.049	1.04
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.286	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.179	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ug/kg	UJ	0.084	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	UJ	0.201	0.996



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL		ug/kg	U	0.042	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.039	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.023	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.152	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.067	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.07	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.136	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.045	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.06	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.075	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.098	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ug/kg	U	0.129	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ug/kg	U	0.042	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.046	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.054	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.204	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.047	0.996
19B8 (23-25)	L2005888-09	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)		ug/kg	U	0.052	0.996
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ug/kg	U	0.325	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ug/kg	U	0.203	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)	0.19	ug/kg	J	0.096	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ug/kg	U	0.228	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.061	ug/kg	J	0.06	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ug/kg	U	0.044	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ug/kg	U	0.026	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ug/kg	U	0.173	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ug/kg	U	0.076	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ug/kg	U	0.079	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ug/kg	U	0.155	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ug/kg	U	0.051	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ug/kg	U	0.069	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	0.224	ug/kg	J	0.147	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ug/kg	U	0.085	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ug/kg	U	0.111	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	0.169	ug/kg	J	0.047	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL	0.393	ug/kg	J	0.047	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ug/kg	U	0.052	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ug/kg	U	0.061	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ug/kg	U	0.232	1.13
SOIL DUPLICATE	L2005888-10	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ug/kg	U	0.053	1.13
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.331	ng/l	J	0.315	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	1.16	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ng/l	U	1.28	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	0.773	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	0.623	1.92



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
SOIL
SDG: L2005888

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PFOA/PFOS, TOTAL		ng/l	U	0.227	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ng/l	U	0.229	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ng/l	U	0.392	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	0.942	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.292	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.358	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	0.662	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ng/l	U	0.216	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ng/l	U	0.362	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.3	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.558	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ng/l	U	0.485	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ng/l	U	0.227	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ng/l	U	0.381	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	0.238	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.315	1.92
RINSATE BLANK	L2005888-11	E537(M)	2/6/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	0.25	1.92

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	SVOC	Soil
19B3R (23-25)	CG62170	08/24/2020	SVOC	Soil
19B7R (6-8)	CG62171	08/24/2020	SVOC	Soil
19B8R (6-8)	CG62172	08/24/2020	SVOC	Soil
8-24 DUPLICATE	CG62173	08/24/2020	SVOC	Soil

Summary - Data validation was performed on five (5) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 08/24/2020 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning - All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 07/15/2020 (CHEM06) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

– Initial calibration curve analyzed on 08/25/2020 (CHEM06) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-35A.

Qualification: None required.

Continuing Calibration Verification (CCV) – The %D for the CCVs analyzed and reported with these samples on 08/26/2020 were within acceptance limits listed in Table 2 in SOP HW-35A with the exception of hexachloroethane, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-nitroaniline, 4,6-dinitro-2-methylphenol, and pentachlorophenol.

Qualification: Non-detect results for hexachloroethane, hexachlorocyclopentadiene, 2,4-dinitrophenol, 2-nitroaniline, 4,6-dinitro-2-methylphenol, and pentachlorophenol were qualified as estimated (UJ) in all the noted field samples in this report.

Surrogates – Surrogate %R values were within the QC acceptance limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the six internal standards.

Qualification: None required.

Method Blank (MB) – Method Blank (CG62169 BLANK)-Scan associated with the soil samples extracted on 08/26/2020 and analyzed on 08/26/2020 was free of contamination.

Qualification: None required.

Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – No field blanks were submitted with this SDG.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). The FD sample results for detected SVOCs in the FD sample pair are summarized in the table below. Acenaphthene and fluorene were detected in the field sample but were non-detect in the field duplicate sample. The calculated %RPDs between detected FD sample results were > 50% (see below).

Lab Sample ID	CG62169		CG62173		
Client Sample ID	19B3R (0-4)		8-24 Duplicate		
Collection Date	8/24/2020		8/24/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
Acenaphthene	160	J	ND		NC
Acenaphthylene	110	J	110	J	0
Anthracene	400		180	J	75.9
Benz(a)anthracene	1300	J	740		54.9
Benzo(a)pyrene	1300	J	860		40.7
Benzo(b)fluoranthene	1200	J	840		35.3
Benzo(ghi)perylene	820		490		50.4
Benzo(k)fluoranthene	890	J	580		42.2
Chrysene	1300	J	830		44.1
Dibenz(a,h)anthracene	290		130	J	76.2
Fluoranthene	3000	J	2000		40.0
Fluorene	130	J	ND		NC
Indeno(1,2,3-cd)pyrene	870		540		46.8

Lab Sample ID	CG62169		CG62173		
Client Sample ID	19B3R (0-4)		8-24 Duplicate		
Collection Date	8/24/2020		8/24/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
Phenanthrene	1900	J	730		89.0
Pyrene	2900	J	2000		36.7

Qualification: Results for anthracene, benz(a)anthracene, benzo(ghi)perylene, dibenz(a,h)anthracene, and phenanthrene were qualified as estimated (J) in the field duplicate pair (19B3R (0-4) and 8-24 Duplicate). Results for acenaphthene and fluorene in the field duplicate pair (19B3R (0-4) and 8-24 Duplicate) were qualified as estimated (J/UJ, respectively).

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were performed on sample 19B3R (0-4) (CG62169). All %RECs/RPDs were within the laboratory control limits with the exception of 2,4-Dinitrophenol (53.8% RPD), hexachlorocyclopentadiene (15% %R and 86.8% RPD), 4,6-dinitro-2-methylphenol (42.9% RPD), phenanthrene (29% %R and 58.5% RPD), fluoranthene (77.7% RPD), pyrene (66.7% RPD), benz(a)anthracene (37.9% RPD), chrysene (36.5% RPD), benzo(b)fluoranthene (33.5% RPD), benzo(k)fluoranthene (32.3% RPD), and benzo(a)pyrene (36.8% RPD).

Qualification: Non-detect results for hexachlorocyclopentadiene was qualified as estimated (UJ) in sample 19B3R (0-4). Results for phenanthrene, fluoranthene, pyrene, benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene were qualified as estimated (J) in sample 19B3 (0-4).

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs. Note: TICs were not reported in the EDD.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)(\% \text{Solids})}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF = Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF = 1

V = Volume for liquids in ml, weight for soils/solids in grams.

VE = final volume of concentrated extract

Sample: 19B3R (0-4) (CG62169)

Fluorene

Sample weight = 15.15g

Volume purged = 1.0ml

DF = 1

%Solids = 94

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{39355 \times 40 \times 1 \times 1000}{668218 \times 1.310 \times 15.15 \times 0.94} = 126.27 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Fluorene	130	130	0.0

Data Review Summary – The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Semivolatile data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	VOC	Soil
19B3R (23-25)	CG62170	08/24/2020	VOC	Soil
19B7R (6-8)	CG62171	08/24/2020	VOC	Soil
19B8R (6-8)	CG62172	08/24/2020	VOC	Soil
8-24 DUPLICATE	CG62173	08/24/2020	VOC	Soil
Trip Blank High	CG62176	08/24/2020	VOC	Trip Blank
Trip Blank Low	CG62177	08/24/2020	VOC	Trip Blank

Summary - Data validation was performed on five (5) soil samples and two (2) trip blanks from 1015 Atlantic Ave, Brooklyn, NY on 08/24/2020 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for soil samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 08/24/2020 (CHEM3) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A except for bromoform.

Qualification: Non-detect results for bromoform were qualified as estimated (UJ) in samples 19B3R (0-4), 19B3R (23-25), 19B7R (6-8), 19B8R (6-8), 8-24 Duplicate, Trip Blank High, and Trip Blank Low.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 08/26-27/2020 were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates –All surrogate percent recoveries were within the control limits.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – MS/MSD were performed on sample 19B3R (0-4) (CG62169) (high level). All %RECs/RPDs were within the laboratory control limits with the following exceptions: bromomethane (61% and 67% %R), chloroethane (33% and 33% %R), trichlorofluoromethane (18% and 18% %R), Acrylonitrile (137% %R), and methylcyclohexane (131% %R). Results for bromomethane, chloroethane, trichlorofluoromethane, acrylonitrile, and methylcyclohexane were not report from this high-level run in the parent sample.

Qualification: None required.

– MS/MSD were performed on sample 19B3R (0-4) (CG62169) (low level). All %RECs/RPDs were within the laboratory control limits with the following exceptions: acrolein (41% and 43% %R), 1,2,4-trichlorobenzene (43% and 39% %R), and 1,2,3-trichlorobenzene (39% and 35% %R).

Qualification: Results for acrolein, 1,2,4-trichlorobenzene, and 1,2,3-trichlorobenzene were qualified as estimated (UJ) in sample 19B3R (0-4).

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank Low (Lab Sample ID: CG62177) was submitted with this sample set. Target VOCs were non-detect in the Trip Blank Low sample except for acetone (8.8 ug/Kg) and toluene (0.92 ug/Kg). Results for acetone were non-detect in the field samples.

Qualification: Result for toluene in sample 19B3R (0-4) was qualified as non-detect (U and reported at the RL).

– Trip Blank High (Lab Sample ID: CG62176) was submitted with this sample set. VOCs were non-detect in the HL TB sample.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). The FD sample results for detected VOCs in the FD sample pair are summarized in the table below. The calculated %RPDs between detected FD sample results were <50% (see below).

Lab Sample ID	CG62169		CG62173		
Client Sample ID	19B3R (0-4)		Soil Duplicate		
Collection Date	8/24/2020		8/24/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
Tetrachloroethene	2.0	J	2.1	J	4.9

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation –Analyte non-detections were reported as “U”; these results should be considered the equivalent of “PQL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

- All sample results were reported within the linear calibration range.
- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. No TICs were reported for any of the samples in this SDG.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)(\%Solids)}$$

C_x = concentration of analyte as ug/kg

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

19B3R (0-4) (CG62169)

Toluene

Sample weight= 5.21g
Volume purged=5.0ml
DF = 1
%Solid = 94%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{3240 \times 50 \times 1 \times 5.0}{342488 \times 0.609 \times 5.21 \times 0.94} = 0.79 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Toluene	0.79	0.79	0.0

Data Review Summary –VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Volatile soil data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
 - Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.
- Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	PCB	Soil
19B3R (23-25)	CG62170	08/24/2020	PCB	Soil
19B7R (6-8)	CG62171	08/24/2020	PCB	Soil
19B8R (6-8)	CG62172	08/24/2020	PCB	Soil
8-24 DUPLICATE	CG62173	08/24/2020	PCB	Soil

Summary - Data validation was performed on five (5) soil samples collected from 1015 Atlantic Ave, Brooklyn, NY on 08/24/2020 and submitted for PCBs by SW-846 Method 8082 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 07/23/2020 (ECD24) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 08/17/2020 (ECD8) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 08/27/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

- All CCVs analyzed on 08/27-28/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

- All CCVs analyzed on 08/27/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

- All CCVs analyzed on 08/27-28/2020 exhibited acceptable %Ds for all compounds.

Qualification: None required.

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CG62169 BL) associated with the soil samples extracted on 08/26/2020 and analyzed on 08/27/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CG62169 were analyzed on 08/27/2020. All %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – One soil duplicate pair was submitted with this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). The results for detected PCBs were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B3R (0-4) (CG62169). All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

- %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

Manual Calculation

CG62169 LCS

Aroclor-1016

On Column concentration (B)= 271.176ng

Sample weight= 15.0g
DF= 10
Vi= 5ml
%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{271.176\text{ng} \times 10\text{ml} \times 5}{15.0\text{g}} = 903.92\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Aroclor-1016	904	904	0.0

Data Review Summary – The PCBs results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES

USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	Pesticides	Soil
19B3R (23-25)	CG62170	08/24/2020	Pesticides	Soil
19B7R (6-8)	CG62171	08/24/2020	Pesticides	Soil
19B8R (6-8)	CG62172	08/24/2020	Pesticides	Soil
8-24 DUPLICATE	CG62173	08/24/2020	Pesticides	Soil

Summary - Data validation was performed on five (5) soil samples collected from 1015 Atlantic Ave, Brooklyn, Bronx, NY on 08/24/2020 and submitted for Pesticides by SW-846 Method 8081 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format. Only the samples validated in this SDG are listed above.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All samples were extracted within 14 days from sample collection and analyzed within the 40 days following sample extraction.

Qualification: None required.

GC/ECD Instrument Performance Check – 4,4'-DDT and Endrin breakdown exhibited acceptable results.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 08/26/2020 (ECD35) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 08/27/2020 exhibited acceptable %Ds for all compounds on reporting column with the exception of beta-BHC and endosulfan sulfate.

Qualification: The non-detect results for beta-BHC and endosulfan sulfate in samples 19B3R (0-4), 19B3R (23-25), 19B7R (6-8), 19B8R (6-8), and 8-24 Duplicate were qualified as estimated (UJ).

Surrogates – All surrogates %RECs values for all soil samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CG62169 BL) associated with the soil samples extracted on 08/26/2020 and analyzed on 08/27/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CG62169 LCS was analyzed on 08/27/2020. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). The results for pesticides were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample 19B3R (0-4) (CG62169). All %RECs were within the laboratory control limits. RPDs were outside the control limits for aldrin, methoxychlor, and endrin. These compounds were non-detect in the parent sample.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were >50%.

Qualification: None required.

–Sample confirmation %D for all samples was <40%.

Qualification: None required.

Manual Calculation

CG62169 LCS

Alpha-BHC

On Column concentration (A) = 30.6947ng

Sample Weight= 15.0g

DF = 2

Vi= 5ml

%Solids= 100%

$$\text{Concentration } (\mu\text{g/kg})(\text{dry}) = \frac{30.6947\text{ng} \times 5\text{ml} \times 2}{15.0\text{g}} = 20.463\mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/kg}$)	Validation ($\mu\text{g/kg}$)	%D
Alpha-BHC	20.5	20.5	0.0

Data Review Summary – The pesticide results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	Metals	Soil
19B3R (23-25)	CG62170	08/24/2020	Metals	Soil
19B7R (6-8)	CG62171	08/24/2020	Metals	Soil
19B8R (6-8)	CG62172	08/24/2020	Metals	Soil
8-24 DUPLICATE	CG62173	08/24/2020	Metals	Soil

Summary - Data validation was performed on five (5) soil samples were collected from 1015 Atlantic Ave, Brooklyn, NY on 08/24/2020 and submitted for the following analyses:

- 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
- 1.2 Mercury by SW-846 Method 7471A.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES.

Qualification: None required.

– All soil samples were digested and analyzed within the 28 days holding times for Mercury analysis.

Qualification: None required.

Initial and Continuing Calibration Verification (ICV and CCV) – ICP-AES – All %RECs in the ICV and CCVs were within QC limits.

Qualification: None required.

Mercury – All correlation coefficient for Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs %REC values were within the QC limits.

Qualification: None required.

CRQL Check Standard (CRI) – CRI analyzed %RECs were within the control limits.

Qualification: None required.

ICP-AES Interference Check Sample – All %REC values were within the QC limits for ICSA and ICSAB.

Qualification: None required.

Blanks (Method Blank, ICB and CCB) – ICP-AES Method Blank-Soil (CG62169) digested on 08/26/2020 was free of contamination.

Qualification: None required.

– All ICB and CCBs were free of contamination.

Qualification: None required.

– Mercury – All ICB and CCBs were free of contamination.

Qualification: None required.

–Mercury – Method Blank (CG62169 BLK) digested on 08/27/2020 was free of contamination.

Qualification: None required.

Field Blank (FB) and Equipment Blank (EB) – Field Blanks were not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – ICP-AES and Mercury – Laboratory Control Sample %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate — One field duplicate pair was included in this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). Calcium, magnesium, and zinc had a calculated %RPD > 50% for the duplicate pair. The FD sample results are summarized in the table below.

Client Sample ID:	19B3R (0-4)		8-24 Duplicate		
Lab Sample ID:	CG62169		CG62173		
Date Sampled:	08/24/2020		08/24/2020		
	Result (mg/Kg)		Result (mg/Kg)		RPD (%)
Aluminum	7720		8260		6.8
Arsenic	2.63		3.27		21.7
Barium	68.3		76.2		10.9
Beryllium	0.30		0.31		3.3
Cadmium	1.06		0.97		8.9
Calcium	15600		26200		50.7
Chromium	16.7		17.3		3.5
Cobalt	6.33		7.40		15.6
Copper	30.2		35.2		15.3
Iron	20400		19700		3.5
Lead	105	J	115		9.1
Magnesium	7350		12800		54.1
Manganese	345	J+	349		1.2
Mercury	0.14		0.15		6.9
Nickel	18.6		17.5		6.1
Potassium	1160	J+	1240		6.7
Sodium	432	J	520		18.5
Vanadium	30.2		42.3		33.4
Zinc	389	J	118		106.9

Qualification: Results for calcium, magnesium, and zinc in the field duplicate pair (19B3R (0-4) and 8-24 Duplicate) were qualified as estimated (J).

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) –Mercury/ICP-AES – Matrix Spike (MS) was performed on sample 19B3R (0-4) (GCG62169). %RECs were within the laboratory control limits with the exception of potassium, manganese, and sodium.

Qualification: Results for potassium and manganese were qualified as estimated bias high (J+) and sodium was qualified as estimated (J) in sample 19B3R (0-4).

Sample Duplicate – ICP-AES and Mercury – Mercury/ICP-AES – Laboratory Duplicate was performed on a sample 19B3R (0-4) (GCG62169). RPD was within laboratory control limits with the exception of zinc.

Qualification: Result for zinc was qualified as estimated (J) in sample 19B3R (0-4).

ICP-AES Serial Dilution – ICP serial dilution was performed on sample 19B3R (0-4) (GCG62169). For all results for which the concentration in the original sample is $\geq 50\times$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$) except for sodium and lead.

Qualification: Results for sodium and lead were qualified as estimated (J) in sample 19B3R (0-4).

Verification of Instrumental Parameters – The following Forms were present in the data package:

- Method Detection Limits, Form- X.
- ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
- ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– %Solids for all soil samples in this SDG were $>50\%$.

Qualification: None required.

Manual calculation

Sample: 19B3R (0-4) (CG62169)

Barium

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{C \times V \times DF \times 1L \times 1000g \times 1mg}{W \times S \times 1000ml \times 1 kg \times 1000ug}$$

V= 50ml

W= 0.84g

%Solids =94

DF=1.0

$$\text{Concentration (mg/Kg) (dry wt.)} = \frac{1078.752 \text{ug/L} \times 50 \times 1.0 \times 1 \text{L} \times 1000 \text{g} \times 1 \text{mg}}{0.84 \times 0.94 \times 1000 \text{ml} \times 1 \text{kg} \times 1000 \text{ug}} = 68.31 \text{ mg/kg}$$

Compound	Laboratory (mg/kg)	Validation (mg/kg)	%D
Barium	68.3	68.3	0.0

Data Review Summary – The trace metal results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Trace Metals data package requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-DIOXANE)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCG62169
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 09/21/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
19B3R (0-4)	CG62169	08/24/2020	SVOC	Soil
19B3R (23-25)	CG62170	08/24/2020	SVOC	Soil
19B7R (6-8)	CG62171	08/24/2020	SVOC	Soil
19B8R (6-8)	CG62172	08/24/2020	SVOC	Soil
8-24 DUPLICATE	CG62173	08/24/2020	SVOC	Soil

Summary - Data validation was performed on the data for five (5) soil samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 08/24/2020 and submitted for Semi-Volatile Organic (SVOC) SIMs analysis for 1,4-dioxane by SW846 Method 8270C SIM. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 08/26/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 8/27/2019 (CHEM33)-SIM Scan for 1,4-dioxane exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV)– CCV analyzed on 08/27/2020 (CHEM33)-SIM scan for 1,4-dioxane exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Surrogates –Surrogate %REC values were within the QC acceptance limits for the SIM scan.

Qualification: None required.

Internal Standard (IS) Area Performance –Samples exhibited acceptable area count for the internal standard for 1,4-dioxane except for phenanthrene-d10 in sample 8-24 Duplicate. The result for 1,4-dioxane was non-detect in sample 8-24 Duplicate.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB)– Method Blank (CG62169 BLANK)-Scan for 1,4-dioxane associated with the soil samples extracted on 08/26/2020 and analyzed on 08/27/2020 was free of contamination.

Qualification: None required.

Field Duplicate — One soil duplicate pair was submitted with this SDG. Sample 8-24 Duplicate (Lab Sample ID: CG62173) was the field duplicate sample of 19B3R (0-4) (Lab Sample ID: CG62169). The results for 1,4-dioxane were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – MS/MSD were performed on sample 19B3R (0-4) (CG62169) for 1,4-Dioxane. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ \mu L)(V)(\%Solids)}$$

Cx = concentration of analyte as ug/kg

Ax = Area of the characteristic ion for the compound to be measured, counts.

Ais = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: CG62169 LCS

1,4-Dioxane

Sample weight= 15.00g

Volume purged=1.0ml

DF = 1

$$\text{Concentration } (\mu\text{g/kg}) \text{ (dry)} = \frac{390387 \times 100 \times 1 \times 1000}{750525 \times 2.080 \times 15.00} = 1667.15 \mu\text{g/kg}$$

Compound	Laboratory ($\mu\text{g/Kg}$)	Validation ($\mu\text{g/Kg}$)	%D
1,4-Dioxane	1667	1667	0.0

Data Review Summary –The 1,4-dioxane results reported in this SDG are acceptable as reported and may be used for their intended purpose.

–1,4-dioxane data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCG62169 at the end of the data validation report.



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCG62169**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (0-4) 20200824	CG62169	E160.3	8/24/2020	1	SOLIDS, PERCENT	94				
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Aluminum	7720	mg/Kg		6.3	32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Antimony		mg/Kg	U	3.2	3.2
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Arsenic	2.63	mg/Kg		0.63	0.63
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Barium	68.3	mg/Kg		0.32	0.6
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Beryllium	0.30	mg/Kg		0.13	0.25
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Cadmium	1.06	mg/Kg		0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Calcium	15600	mg/Kg	J	29	32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Chromium	16.7	mg/Kg		0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Cobalt	6.33	mg/Kg		0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Copper	30.2	mg/Kg		0.32	0.6
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Iron	20400	mg/Kg		32	32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Lead	105	mg/Kg	J	0.32	0.6
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Magnesium	7350	mg/Kg	J	32	32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Manganese	345	mg/Kg	J+	3.2	3.2
19B3R (0-4) 20200824	CG62169	SW7471	8/24/2020	2	Mercury	0.14	mg/Kg		0.02	0.03
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Nickel	18.6	mg/Kg		0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Potassium	1160	mg/Kg	J+	2.5	6
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Selenium		mg/Kg	U	1.1	1.3
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Silver		mg/Kg	U	0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Sodium	432	mg/Kg	J	2.7	6
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Thallium		mg/Kg	U	1.3	1.3
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	1	Vanadium	30.2	mg/Kg		0.32	0.32
19B3R (0-4) 20200824	CG62169	SW6010	8/24/2020	10	Zinc	389	mg/Kg	J	3.2	6.3
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Heptachlor epoxide		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endosulfan sulfate		ug/Kg	UJ	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Aldrin		ug/Kg	U	3.5	3.5
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	a-BHC		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	b-BHC		ug/Kg	UJ	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	d-BHC		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endosulfan II		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	a-Chlordane		ug/Kg	U	3.5	3.5
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	g-Chlordane		ug/Kg	U	3.5	3.5



**1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCG62169**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endrin ketone		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Chlordane		ug/Kg	U	35	35
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Dieldrin		ug/Kg	U	3.5	3.5
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endrin		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Methoxychlor		ug/Kg	U	35	35
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endrin aldehyde		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Heptachlor		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Toxaphene		ug/Kg	U	140	140
19B3R (0-4) 20200824	CG62169	SW8081	8/24/2020	2	Endosulfan I		ug/Kg	U	6.9	6.9
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1260		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1254		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1268		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1221		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1232		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1248		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1016		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1262		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8082	8/24/2020	2	PCB-1242		ug/Kg	U	69	69
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Acrolein		ug/Kg	UJ	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.51	20
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.1	26
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Toluene	5.1	ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.51	5.1



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19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	UJ	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	41	77
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Tetrachloroethene	2.0	ug/Kg	J	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	5.1	26
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Acetone		ug/Kg	U	5.1	26
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	5.1	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	20	100
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	5.1	31



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19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	5.1	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	UJ	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.1
19B3R (0-4) 20200824	CG62169	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.51	5.1
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Nitrophenol		ug/Kg	U	160	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzaldehyde		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Caprolactam		ug/Kg	U	250	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	98	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Phenol		ug/Kg	U	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	95	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Di-n-octylphthalate		ug/Kg	U	91	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Acenaphthene	160	ug/Kg	J	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Acenaphthylene	110	ug/Kg	J	98	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Dimethylphthalate		ug/Kg	U	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Dibenzofuran		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Atrazine		ug/Kg	U	91	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Anthracene	400	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benz(a)anthracene	1300	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzo(a)pyrene	1300	ug/Kg	J	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzo(b)fluoranthene	1200	ug/Kg	J	120	250



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19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzo(ghi)perylene	820	ug/Kg	J	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzo(k)fluoranthene	890	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Chrysene	1300	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Dibenz(a,h)anthracene	290	ug/Kg	J	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	250	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Fluoranthene	3000	ug/Kg	J	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Fluorene	130	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Hexachloroethane		ug/Kg	UJ	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Isophorone		ug/Kg	U	98	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Indeno(1,2,3-cd)pyrene	870	ug/Kg		120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Diethyl phthalate		ug/Kg	U	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Di-n-butylphthalate		ug/Kg	U	93	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Phenanthrene	1900	ug/Kg	J	100	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Benzyl butyl phthalate		ug/Kg	U	91	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Pyrene	2900	ug/Kg	J	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Carbazole		ug/Kg	U	180	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Pentachlorophenol		ug/Kg	UJ	130	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Nitroaniline		ug/Kg	UJ	250	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Nitrophenol		ug/Kg	U	220	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Naphthalene		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Methylnaphthalene		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2-Chlorophenol		ug/Kg	U	100	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Acetophenone		ug/Kg	U	110	250
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	3-Nitroaniline		ug/Kg	U	250	700
19B3R (0-4) 20200824	CG62169	SW8270	8/24/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
19B3R (0-4) 20200824	CG62169	SW8270C-SIM	8/24/2020	1	1,4-dioxane		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	E160.3	8/24/2020	1	SOLIDS, PERCENT	94				
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	10	Aluminum	6570	mg/Kg		7.3	36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	10	Iron	19600	mg/Kg		36	36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	10	Magnesium	9120	mg/Kg		36	36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	10	Manganese	317	mg/Kg		3.6	3.6
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	10	Calcium	14900	mg/Kg		34	36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Lead	16.1	mg/Kg		0.36	0.7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Nickel	20.4	mg/Kg		0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Potassium	1670	mg/Kg		2.8	7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Silver		mg/Kg	U	0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Sodium	392	mg/Kg		3.1	7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Antimony		mg/Kg	U	3.6	3.6
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Arsenic	2.27	mg/Kg		0.73	0.73
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Barium	37.1	mg/Kg		0.36	0.7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Beryllium	0.23	mg/Kg	J	0.15	0.29
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Cadmium	0.67	mg/Kg		0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Chromium	22.7	mg/Kg		0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Cobalt	6.62	mg/Kg		0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Copper	26.5	mg/Kg		0.36	0.7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Vanadium	52.3	mg/Kg		0.36	0.36
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Zinc	47.0	mg/Kg		0.36	0.7
19B3R (23-25) 20200824	CG62170	SW6010	8/24/2020	1	Selenium		mg/Kg	U	1.2	1.5
19B3R (23-25) 20200824	CG62170	SW7471	8/24/2020	2	Mercury		mg/Kg	U	0.02	0.03



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Heptachlor epoxide		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endosulfan sulfate		ug/Kg	UJ	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Aldrin		ug/Kg	U	3.5	3.5
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	a-BHC		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	b-BHC		ug/Kg	UJ	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	d-BHC		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endosulfan II		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	a-Chlordane		ug/Kg	U	3.5	3.5
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	g-Chlordane		ug/Kg	U	3.5	3.5
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endrin ketone		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Chlordane		ug/Kg	U	35	35
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	g-BHC		ug/Kg	U	1.4	1.4
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Dieldrin		ug/Kg	U	3.5	3.5
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endrin		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Methoxychlor		ug/Kg	U	35	35
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endrin aldehyde		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Heptachlor		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Toxaphene		ug/Kg	U	140	140
19B3R (23-25) 20200824	CG62170	SW8081	8/24/2020	2	Endosulfan I		ug/Kg	U	7.0	7.0
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1260		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1254		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1268		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1221		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1232		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1248		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1016		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1262		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8082	8/24/2020	2	PCB-1242		ug/Kg	U	70	70
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.62	6.2



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19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Acrolein		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.62	25
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	6.2	31
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Toluene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	49	93
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Tetrachloroethene		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.2	12
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	6.2	31
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.2	25
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Acetone		ug/Kg	U	6.2	31
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.5	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	6.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.2	6.2



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19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	25	120
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	6.2	37
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	6.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.2	6.2
19B3R (23-25) 20200824	CG62170	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.62	6.2
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Nitroaniline		ug/Kg	U	120	1700
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Nitrophenol		ug/Kg	U	160	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzaldehyde		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Caprolactam		ug/Kg	U	240	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Chloroaniline		ug/Kg	U	160	700
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	97	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Phenol		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	94	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	96	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Di-n-octylphthalate		ug/Kg	U	90	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Anthracene		ug/Kg	U	110	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Pyrene	170	ug/Kg	J	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Dimethylphthalate		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Dibenzofuran		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Atrazine		ug/Kg	U	91	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzo(ghi)perylene	150	ug/Kg	J	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Indeno(1,2,3-cd)pyrene	150	ug/Kg	J	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzo(b)fluoranthene		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Fluoranthene	170	ug/Kg	J	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzo(k)fluoranthene		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Acenaphthylene		ug/Kg	U	98	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Chrysene		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzo(a)pyrene		ug/Kg	U	110	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	240	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	240	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	110	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benz(a)anthracene		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Hexachloroethane		ug/Kg	UJ	100	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Isophorone		ug/Kg	U	98	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Acenaphthene		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Diethyl phthalate		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Di-n-butylphthalate		ug/Kg	U	93	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Phenanthrene		ug/Kg	U	100	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Benzyl butyl phthalate		ug/Kg	U	90	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Fluorene		ug/Kg	U	120	240



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Carbazole		ug/Kg	U	170	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Hexachlorobutadiene		ug/Kg	U	130	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Pentachlorophenol		ug/Kg	UJ	130	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Nitroaniline		ug/Kg	UJ	240	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Nitrophenol		ug/Kg	U	220	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Naphthalene		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Methylnaphthalene		ug/Kg	U	100	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Chloronaphthalene		ug/Kg	U	99	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	1,1-Biphenyl		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2-Chlorophenol		ug/Kg	U	99	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Acetophenone		ug/Kg	U	110	240
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	Nitrobenzene		ug/Kg	U	120	140
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	3-Nitroaniline		ug/Kg	U	240	700
19B3R (23-25) 20200824	CG62170	SW8270	8/24/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	240
19B3R (23-25) 20200824	CG62170	SW8270C-SIM	8/24/2020	1	1,4-dioxane		ug/Kg	U	69	69
19B7R (6-8) 20200824	CG62171	E160.3	8/24/2020	1	SOLIDS, PERCENT	89				
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	10	Aluminum	12600	mg/Kg		7.4	37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	10	Iron	22500	mg/Kg		37	37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	10	Manganese	188	mg/Kg		3.7	3.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Lead	7.1	mg/Kg		0.37	0.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Magnesium	2680	mg/Kg		3.7	3.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Nickel	16.9	mg/Kg		0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Potassium	1100	mg/Kg		2.9	7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Silver		mg/Kg	U	0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Sodium	137	mg/Kg		3.2	7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Thallium		mg/Kg	U	1.5	1.5
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Antimony		mg/Kg	U	3.7	3.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Arsenic	3.57	mg/Kg		0.74	0.74
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Barium	32.5	mg/Kg		0.37	0.7



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Beryllium	0.47	mg/Kg		0.15	0.30
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Cadmium	0.87	mg/Kg		0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Chromium	21.1	mg/Kg		0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Cobalt	7.86	mg/Kg		0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Copper	15.5	mg/Kg		0.37	0.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Vanadium	31.9	mg/Kg		0.37	0.37
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Zinc	32.3	mg/Kg		0.37	0.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Calcium	916	mg/Kg		3.4	3.7
19B7R (6-8) 20200824	CG62171	SW6010	8/24/2020	1	Selenium		mg/Kg	U	1.3	1.5
19B7R (6-8) 20200824	CG62171	SW7471	8/24/2020	2	Mercury		mg/Kg	U	0.02	0.03
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Heptachlor epoxide		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endosulfan sulfate		ug/Kg	UJ	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Aldrin		ug/Kg	U	3.7	3.7
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	a-BHC		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	b-BHC		ug/Kg	UJ	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	d-BHC		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endosulfan II		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	4,4' -DDT		ug/Kg	U	2.2	2.2
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	a-Chlordane		ug/Kg	U	3.7	3.7
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	g-Chlordane		ug/Kg	U	3.7	3.7
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endrin ketone		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Chlordane		ug/Kg	U	37	37
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	g-BHC		ug/Kg	U	1.5	1.5
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Dieldrin		ug/Kg	U	3.7	3.7
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endrin		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Methoxychlor		ug/Kg	U	37	37
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	4,4' -DDD		ug/Kg	U	2.2	2.2
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	4,4' -DDE		ug/Kg	U	2.2	2.2
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endrin aldehyde		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Heptachlor		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Toxaphene		ug/Kg	U	150	150
19B7R (6-8) 20200824	CG62171	SW8081	8/24/2020	2	Endosulfan I		ug/Kg	U	7.4	7.4
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1260		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1254		ug/Kg	U	74	74



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19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1268		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1221		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1232		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1248		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1016		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1262		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8082	8/24/2020	2	PCB-1242		ug/Kg	U	74	74
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Acrolein		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.53	21
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.3	27
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Toluene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	43	80
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Tetrachloroethene		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	5.3	27
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	21
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Acetone		ug/Kg	U	5.3	27



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	5.3	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	21	110
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	5.3	32
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	5.3	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.3
19B7R (6-8) 20200824	CG62171	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.53	5.3
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Nitrophenol		ug/Kg	U	170	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzaldehyde		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Caprolactam		ug/Kg	U	260	260



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4-Dimethylphenol		ug/Kg	U	91	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Chloroaniline		ug/Kg	U	170	740
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Phenol		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Di-n-octylphthalate		ug/Kg	U	95	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Anthracene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4-Dinitrotoluene		ug/Kg	U	150	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Pyrene		ug/Kg	U	130	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Dimethylphthalate		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Dibenzofuran		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Atrazine		ug/Kg	U	96	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzo(ghi)perylene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Indeno(1,2,3-cd)pyrene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzo(b)fluoranthene		ug/Kg	U	130	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Fluoranthene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzo(k)fluoranthene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Acenaphthylene		ug/Kg	U	100	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Chrysene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzo(a)pyrene		ug/Kg	U	120	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	260	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	260	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Dibenz(a,h)anthracene		ug/Kg	U	120	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benz(a)anthracene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	N-Nitrosodimethylamine		ug/Kg	U	100	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Hexachloroethane		ug/Kg	UJ	110	150



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Isophorone		ug/Kg	U	100	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Acenaphthene		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Diethyl phthalate		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Di-n-butylphthalate		ug/Kg	U	98	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Phenanthrene		ug/Kg	U	110	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Benzyl butyl phthalate		ug/Kg	U	95	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Fluorene		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Carbazole		ug/Kg	U	180	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Hexachlorobutadiene		ug/Kg	U	130	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Pentachlorophenol		ug/Kg	UJ	140	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Nitroaniline		ug/Kg	UJ	260	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Nitrophenol		ug/Kg	U	230	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Naphthalene		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Methylnaphthalene		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Chloronaphthalene		ug/Kg	U	100	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	1,1-Biphenyl		ug/Kg	U	110	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	170	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2-Chlorophenol		ug/Kg	U	100	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Acetophenone		ug/Kg	U	120	260
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	3-Nitroaniline		ug/Kg	U	260	740
19B7R (6-8) 20200824	CG62171	SW8270	8/24/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260
19B7R (6-8) 20200824	CG62171	SW8270C-SIM	8/24/2020	1	1,4-dioxane		ug/Kg	U	74	74
19B8R (6-8) 20200824	CG62172	E160.3	8/24/2020	1	SOLIDS, PERCENT	88				
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	10	Aluminum	10800	mg/Kg		8.0	40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	10	Iron	24700	mg/Kg		40	40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	10	Manganese	275	mg/Kg		4.0	4.0



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19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Lead	127	mg/Kg		0.40	0.8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Magnesium	2860	mg/Kg		4.0	4.0
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Nickel	20.2	mg/Kg		0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Potassium	941	mg/Kg		3.1	8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Silver		mg/Kg	U	0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Sodium	86	mg/Kg		3.4	8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Thallium		mg/Kg	U	1.6	1.6
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Antimony		mg/Kg	U	4.0	4.0
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Arsenic	3.17	mg/Kg		0.80	0.80
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Barium	55.1	mg/Kg		0.40	0.8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Beryllium	0.48	mg/Kg		0.16	0.32
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Cadmium	0.92	mg/Kg		0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Chromium	18.4	mg/Kg		0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Cobalt	7.50	mg/Kg		0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Copper	20.5	mg/Kg		0.40	0.8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Vanadium	31.7	mg/Kg		0.40	0.40
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Zinc	40.9	mg/Kg		0.40	0.8
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Calcium	775	mg/Kg		3.7	4.0
19B8R (6-8) 20200824	CG62172	SW6010	8/24/2020	1	Selenium		mg/Kg	U	1.4	1.6
19B8R (6-8) 20200824	CG62172	SW7471	8/24/2020	2	Mercury	0.04	mg/Kg		0.02	0.03
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Heptachlor epoxide		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endosulfan sulfate		ug/Kg	UJ	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Aldrin		ug/Kg	U	3.8	3.8
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	a-BHC		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	b-BHC		ug/Kg	UJ	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	d-BHC		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endosulfan II		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	4,4' -DDT		ug/Kg	U	2.3	2.3
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	a-Chlordane		ug/Kg	U	3.8	3.8
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	g-Chlordane		ug/Kg	U	3.8	3.8
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endrin ketone		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Chlordane		ug/Kg	U	38	38
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	g-BHC		ug/Kg	U	1.5	1.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Dieldrin		ug/Kg	U	3.8	3.8



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19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endrin		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Methoxychlor		ug/Kg	U	38	38
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	4,4' -DDD		ug/Kg	U	2.3	2.3
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	4,4' -DDE		ug/Kg	U	2.3	2.3
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endrin aldehyde		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Heptachlor		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Toxaphene		ug/Kg	U	150	150
19B8R (6-8) 20200824	CG62172	SW8081	8/24/2020	2	Endosulfan I		ug/Kg	U	7.5	7.5
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1260		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1254		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1268		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1221		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1232		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1248		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1016		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1262		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8082	8/24/2020	2	PCB-1242		ug/Kg	U	75	75
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Acrolein		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.52	21
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.2	26
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Toluene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	41	78
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.2



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19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Tetrachloroethene	2.5	ug/Kg	J	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	5.2	26
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	21
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Acetone		ug/Kg	U	5.2	26
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.1	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	5.2	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	21	100
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	5.2	31
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	5.2	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.2



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.2
19B8R (6-8) 20200824	CG62172	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.52	5.2
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Nitroaniline		ug/Kg	U	120	1900
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Nitrophenol		ug/Kg	U	170	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzaldehyde		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Caprolactam		ug/Kg	U	260	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4-Dimethylphenol		ug/Kg	U	92	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Chloroaniline		ug/Kg	U	170	750
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	100	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Phenol		ug/Kg	U	120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	100	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	100	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Di-n-octylphthalate		ug/Kg	U	96	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Hexachlorobenzene		ug/Kg	U	110	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Anthracene	1000	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4-Dichlorophenol		ug/Kg	U	130	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4-Dinitrotoluene		ug/Kg	U	150	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Pyrene	4200	ug/Kg		130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Dimethylphthalate		ug/Kg	U	120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Dibenzofuran	480	ug/Kg		110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Atrazine		ug/Kg	U	97	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzo(ghi)perylene	560	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Indeno(1,2,3-cd)pyrene	720	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzo(b)fluoranthene	1200	ug/Kg		130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Fluoranthene	4400	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzo(k)fluoranthene	1400	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Acenaphthylene	130	ug/Kg	J	100	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Chrysene	1700	ug/Kg		130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzo(a)pyrene	1500	ug/Kg		120	150



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19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	260	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	260	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Dibenz(a,h)anthracene	190	ug/Kg		120	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benz(a)anthracene	1800	ug/Kg		130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	170	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,6-Dinitrotoluene		ug/Kg	U	120	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	120	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	N-Nitrosodimethylamine		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Hexachloroethane		ug/Kg	UJ	110	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Isophorone		ug/Kg	U	100	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Acenaphthene	520	ug/Kg		110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Diethyl phthalate		ug/Kg	U	120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Di-n-butylphthalate		ug/Kg	U	99	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Phenanthrene	4000	ug/Kg		110	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Benzyl butyl phthalate		ug/Kg	U	96	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	140	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Fluorene	600	ug/Kg		120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Carbazole	480	ug/Kg		190	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Hexachlorobutadiene		ug/Kg	U	130	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Pentachlorophenol		ug/Kg	UJ	140	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	120	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Nitroaniline		ug/Kg	UJ	260	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Nitrophenol		ug/Kg	U	240	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Naphthalene	320	ug/Kg		110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Methylnaphthalene	200	ug/Kg	J	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Chloronaphthalene		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	150	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	1,1-Biphenyl		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	180	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2-Chlorophenol		ug/Kg	U	110	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	130	260



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19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	200	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Acetophenone		ug/Kg	U	120	260
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	Nitrobenzene		ug/Kg	U	130	150
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	3-Nitroaniline		ug/Kg	U	260	750
19B8R (6-8) 20200824	CG62172	SW8270	8/24/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	150	260
19B8R (6-8) 20200824	CG62172	SW8270C-SIM	8/24/2020	1	1,4-dioxane		ug/Kg	U	74	74
8-24 DUPLICATE 20200824	CG62173	E160.3	8/24/2020	1	SOLIDS, PERCENT	93				
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	10	Aluminum	8260	mg/Kg		7.7	38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Antimony		mg/Kg	U	3.8	3.8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Arsenic	3.27	mg/Kg		0.77	0.77
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Barium	76.2	mg/Kg		0.38	0.8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Beryllium	0.31	mg/Kg		0.15	0.31
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Cadmium	0.97	mg/Kg		0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	10	Calcium	26200	mg/Kg	J	35	38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Chromium	17.3	mg/Kg		0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Cobalt	7.40	mg/Kg		0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Copper	35.2	mg/Kg		0.38	0.8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	10	Iron	19700	mg/Kg		38	38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Lead	115	mg/Kg		0.38	0.8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	10	Magnesium	12800	mg/Kg	J	38	38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	10	Manganese	349	mg/Kg		3.8	3.8
8-24 DUPLICATE 20200824	CG62173	SW7471	8/24/2020	2	Mercury	0.15	mg/Kg		0.02	0.03
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Nickel	17.5	mg/Kg		0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Potassium	1240	mg/Kg		3.0	8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Selenium		mg/Kg	U	1.3	1.5
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Silver		mg/Kg	U	0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Sodium	520	mg/Kg		3.3	8
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Thallium		mg/Kg	U	1.5	1.5
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Vanadium	42.3	mg/Kg		0.38	0.38
8-24 DUPLICATE 20200824	CG62173	SW6010	8/24/2020	1	Zinc	118	mg/Kg	J	0.38	0.8
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Heptachlor epoxide		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endosulfan sulfate		ug/Kg	UJ	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Aldrin		ug/Kg	U	3.5	3.5
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	α-BHC		ug/Kg	U	7.1	7.1



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8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	b-BHC		ug/Kg	UJ	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	d-BHC		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endosulfan II		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	4,4' -DDT		ug/Kg	U	2.1	2.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	a-Chlordane		ug/Kg	U	3.5	3.5
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	g-Chlordane		ug/Kg	U	3.5	3.5
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endrin ketone		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Chlordane		ug/Kg	U	35	35
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	g-BHC		ug/Kg	U	1.4	1.4
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Dieldrin		ug/Kg	U	3.5	3.5
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endrin		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Methoxychlor		ug/Kg	U	35	35
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	4,4' -DDD		ug/Kg	U	2.1	2.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	4,4' -DDE		ug/Kg	U	2.1	2.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endrin aldehyde		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Heptachlor		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Toxaphene		ug/Kg	U	140	140
8-24 DUPLICATE 20200824	CG62173	SW8081	8/24/2020	2	Endosulfan I		ug/Kg	U	7.1	7.1
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1260		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1254		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1268		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1221		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1232		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1248		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1016		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1262		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8082	8/24/2020	2	PCB-1242		ug/Kg	U	71	71
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Acrolein		ug/Kg	U	1.1	5.6



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8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.56	22
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.6	28
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Toluene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	45	84
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Tetrachloroethene	2.1	ug/Kg	J	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.1	11
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	5.6	28
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.1	22
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Acetone		ug/Kg	U	5.6	28
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.2	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	5.6	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.56	5.6



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	22	110
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	5.6	34
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	5.6	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.1	5.6
8-24 DUPLICATE 20200824	CG62173	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.56	5.6
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Nitroaniline		ug/Kg	U	120	1800
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Nitrophenol		ug/Kg	U	160	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzaldehyde		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Bromophenyl phenyl ether		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Caprolactam		ug/Kg	U	250	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4-Dimethylphenol		ug/Kg	U	87	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Chloroaniline		ug/Kg	U	160	700
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Bis(2-chloroisopropyl)ether		ug/Kg	U	98	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Phenol		ug/Kg	U	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Bis(2-chloroethyl)ether		ug/Kg	U	95	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Bis(2-chloroethoxy)methane		ug/Kg	U	97	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Bis(2-ethylhexyl)phthalate		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Di-n-octylphthalate		ug/Kg	U	91	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Hexachlorobenzene		ug/Kg	U	100	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Acenaphthylene	110	ug/Kg	J	98	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4-Dichlorophenol		ug/Kg	U	120	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4-Dinitrotoluene		ug/Kg	U	140	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Anthracene	180	ug/Kg	J	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Dimethylphthalate		ug/Kg	U	110	250



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8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Dibenzofuran		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Atrazine		ug/Kg	U	91	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benz(a)anthracene	740	ug/Kg	J	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzo(a)pyrene	860	ug/Kg		110	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzo(b)fluoranthene	840	ug/Kg		120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzo(ghi)perylene	490	ug/Kg	J	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzo(k)fluoranthene	580	ug/Kg		120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Chrysene	830	ug/Kg		120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Dibenz(a,h)anthracene	130	ug/Kg	J	110	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Fluoranthene	2000	ug/Kg		110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4-Dinitrophenol		ug/Kg	UJ	250	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4,6-Dinitro-2-methylphenol		ug/Kg	UJ	250	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Indeno(1,2,3-cd)pyrene	540	ug/Kg		120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Phenanthrene	730	ug/Kg	J	100	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,3,4,6-tetrachlorophenol		ug/Kg	U	160	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Chloro-3-methylphenol		ug/Kg	U	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,6-Dinitrotoluene		ug/Kg	U	110	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	N-Nitrosodi-n-propylamine		ug/Kg	U	110	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	N-Nitrosodimethylamine		ug/Kg	U	99	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Hexachloroethane		ug/Kg	UJ	110	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	4-Chlorophenyl phenyl ether		ug/Kg	U	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Hexachlorocyclopentadiene		ug/Kg	UJ	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Isophorone		ug/Kg	U	98	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Acenaphthene		ug/Kg	UJ	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Diethyl phthalate		ug/Kg	U	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Di-n-butylphthalate		ug/Kg	U	93	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Pyrene	2000	ug/Kg		120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Benzyl butyl phthalate		ug/Kg	U	91	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	N-Nitrosodiphenylamine		ug/Kg	U	130	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Fluorene		ug/Kg	UJ	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Carbazole		ug/Kg	U	180	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Hexachlorobutadiene		ug/Kg	U	130	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Pentachlorophenol		ug/Kg	UJ	130	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4,6-Trichlorophenol		ug/Kg	U	110	140



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Nitroaniline		ug/Kg	UJ	250	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Nitrophenol		ug/Kg	U	220	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Naphthalene		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Methylnaphthalene		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Chloronaphthalene		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	3,3'-Dichlorobenzidine		ug/Kg	U	140	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	1,1-Biphenyl		ug/Kg	U	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Methylphenol (o-cresol)		ug/Kg	U	160	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2-Chlorophenol		ug/Kg	U	100	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	1,2,4,5-Tetrachlorobenzene		ug/Kg	U	120	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	2,4,5-Trichlorophenol		ug/Kg	U	190	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Acetophenone		ug/Kg	U	110	250
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	Nitrobenzene		ug/Kg	U	120	140
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	3-Nitroaniline		ug/Kg	U	250	700
8-24 DUPLICATE 20200824	CG62173	SW8270	8/24/2020	1	3&4-Methylphenol (m&p-cresol)		ug/Kg	U	140	250
8-24 DUPLICATE 20200824	CG62173	SW8270C-SIM	8/24/2020	1	1,4-dioxane		ug/Kg	U	70	70
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Ethylbenzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Styrene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	cis-1,3-Dichloropropene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	trans-1,3-Dichloropropene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,4-Dichlorobenzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2-Dibromoethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Acrolein		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2-Dichloroethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Acrylonitrile		ug/Kg	U	25	1000
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	4-Methyl-2-pentanone		ug/Kg	U	250	1300
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Methylcyclohexane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Toluene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Chlorobenzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Cyclohexane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2,4-Trichlorobenzene		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,4-dioxane		ug/Kg	U	2000	3800
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Dibromochloromethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Tetrachloroethene		ug/Kg	U	50	250



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CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	cis-1,2-Dichloroethene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	trans-1,2-Dichloroethene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Methyl t-butyl ether (MTBE)		ug/Kg	U	50	500
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	m&p-Xylene		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,3-Dichlorobenzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Carbon tetrachloride		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	2-Hexanone		ug/Kg	U	250	1300
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1,1,2-Tetrachloroethane		ug/Kg	U	50	1000
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Acetone		ug/Kg	U	250	1300
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Chloroform		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Benzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1,1-Trichloroethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Bromomethane		ug/Kg	U	100	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Chloromethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Bromochloromethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Chloroethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Vinyl chloride		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Methylene chloride		ug/Kg	U	250	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Carbon Disulfide		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Bromoform		ug/Kg	UJ	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Bromodichloromethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1-Dichloroethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1-Dichloroethene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Tert-butyl alcohol		ug/Kg	U	1000	5000
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Trichlorofluoromethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Dichlorodifluoromethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Trichlorotrifluoroethane		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2-Dichloropropane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Methyl ethyl ketone		ug/Kg	U	250	1500
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1,2-Trichloroethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Trichloroethene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Methylacetate		ug/Kg	U	250	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,1,2,2-Tetrachloroethane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2,3-Trichlorobenzene		ug/Kg	U	50	250



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SDG: GCG62169

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	o-Xylene		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2-Dichlorobenzene		ug/Kg	U	25	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	1,2-Dibromo-3-chloropropane		ug/Kg	U	50	250
CG62176-TB 20200824	CG62176	SW8260	8/24/2020	50	Isopropylbenzene		ug/Kg	U	25	250
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Ethylbenzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Styrene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	cis-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	trans-1,3-Dichloropropene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,4-Dichlorobenzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2-Dibromoethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Acrolein		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2-Dichloroethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Acrylonitrile		ug/Kg	U	0.50	20
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	4-Methyl-2-pentanone		ug/Kg	U	5.0	25
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Methylcyclohexane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Toluene	0.92	ug/Kg	J	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Chlorobenzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Cyclohexane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2,4-Trichlorobenzene		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,4-dioxane		ug/Kg	U	40	75
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Dibromochloromethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Tetrachloroethene		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	cis-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	trans-1,2-Dichloroethene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Methyl t-butyl ether (MTBE)		ug/Kg	U	1.0	10
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	m&p-Xylene		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,3-Dichlorobenzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Carbon tetrachloride		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	2-Hexanone		ug/Kg	U	5.0	25
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1,1,2-Tetrachloroethane		ug/Kg	U	1.0	20
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Acetone	8.8	ug/Kg	J	5.0	25
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Chloroform		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Benzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1,1-Trichloroethane		ug/Kg	U	0.50	5.0



1015 ATLANTIC AVENUE
BROOKLYN, NY
DATA SUMMARY TABLE
SOILS
SDG: GCG62169

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Bromomethane		ug/Kg	U	2.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Chloromethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Bromochloromethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Chloroethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Vinyl chloride		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Methylene chloride		ug/Kg	U	5.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Carbon Disulfide		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Bromoform		ug/Kg	UJ	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Bromodichloromethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1-Dichloroethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1-Dichloroethene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Tert-butyl alcohol		ug/Kg	U	20	100
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Trichlorofluoromethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Dichlorodifluoromethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Trichlorotrifluoroethane		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2-Dichloropropane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Methyl ethyl ketone		ug/Kg	U	5.0	30
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1,2-Trichloroethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Trichloroethene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Methylacetate		ug/Kg	U	5.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,1,2,2-Tetrachloroethane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2,3-Trichlorobenzene		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	o-Xylene		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2-Dichlorobenzene		ug/Kg	U	0.50	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	1,2-Dibromo-3-chloropropane		ug/Kg	U	1.0	5.0
CG62177-TB 20200824	CG62177	SW8260	8/24/2020	1	Isopropylbenzene		ug/Kg	U	0.50	5.0

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/08/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	SVOC	GW
MW2	CF48108	03/10/2020	SVOC	GW
MW3	CF48109	03/10/2020	SVOC	GW
MW Duplicate	CF48110	03/10/2020	SVOC	GW

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for Semi-Volatile Organic (SVOC) analyses by SW846 Method 8270C. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All water samples were extracted within 7 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 03/10/2020 (CHEM05)-Full Scan exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

– Initial calibration curve analyzed on 03/04/2020 (CHEM36)-Full Scan exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

– Initial calibration curve analyzed on 2/17/2020 (CHEM25)-SIM Scan exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

– Initial calibration curve analyzed on 3/11/2020 (CHEM27)-SIM Scan exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) – CCV analyzed on 03/18/2020 (CHEM05)-Full scan exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A with the exception of 2-nitrophenol.

Qualification: Non-detect result for 2-nitrophenol in sample MW1 was qualified as estimated (UJ).

– CCV analyzed on 03/13/2020 (CHEM36)-Full scan exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

– CCV analyzed on 03/18/2020 (CHEM25)-SIM scan exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A with the exception of hexachlorocyclopentadiene.

Qualification: Non-detect result for hexachlorocyclopentadiene in sample MW1 was qualified as estimated (UJ).

– CCV analyzed on 03/11/2020 (CHEM27)-SIM scan exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Surrogates – Surrogate %REC values were within the QC acceptance limits for the full scan with the exception of terphenyl-d14 in samples MW3, MW2, and MW Duplicate.

Qualification: Non-detect results for benzyl butyl phthalate, benz(a)anthracene, chrysene, di-n-octylphthalate, 3,3'-dichlorobenzidine, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, benzo(g,h,i)perylene in samples MW3, MW2, and MW Duplicate were qualified as estimated (UJ). Non-detect result for bis(2-ethylhexyl)phthalate in sample MW3 was qualified as estimated (UJ). Results for bis(2-ethylhexyl)phthalate in samples MW2 and MW Duplicate were qualified as estimated (J).

– Surrogate %REC values were within the QC acceptance limits for the SIM scan with the exception of terphenyl-d14 in samples MW3, MW2, and MW Duplicate.

Qualification: Results for benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, and indeno(1,2,3-cd)pyrene were qualified as estimated (J) in samples MW2 and MW3. Non-detect results for dibenz(a,h)anthracene and benzo(g,h,i)perylene were qualified as estimated (UJ) in samples MW2 and MW3.

Non-detect results for benz(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenz(a,h)anthracene, and benzo(g,h,i)perylene were qualified as estimated (UJ) in sample MW Duplicate.

Internal Standard (IS) Area Performance – All samples exhibited acceptable area count for all six internal standards.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF47921 BLANK)-SIM Scan associated with the water samples extracted on 3/16/2020 and analyzed on 3/19/2020 was free of contamination.

Qualification: None required.

– Method Blank (CF48109 BLANK)-SIM Scan associated with the water samples extracted on 3/11/2020 and analyzed on 3/13/2020 was free of contamination.

Qualification: None required.

– Method Blank (CF47921 BLANK)-full Scan associated with the water samples extracted on 03/16/2020 and analyzed on 3/19/2020 was free of contamination.

Qualification: None required.

– Method Blank (CF48109 BLANK)-full Scan associated with the water samples extracted on 03/11/2020 and analyzed on 3/14/2020 was free of contamination.

Qualification: None required.

Field Duplicate — One duplicate pair was submitted with this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The FD sample results for detected SVOC in the FD sample pair are summarized in the table below. Bis(2-ethylhexyl)phthalate was detected in the field duplicate sample and was non-detect in the field sample. Diethyl phthalate, were detected in the field sample and were non-detect in the field duplicate sample.

Lab Sample ID	CF48110		CF48109		
Client Sample ID	MW3		MW Duplicate		
Collection Date	3/10/2020		3/10/2020		
Analyte	Result (µg/L)	Flag	Result (µg/L)	Flag	%RPD
Diethyl phthalate	2.7	J	ND	U	NC
Bis(2-ethylhexyl)phthalate	ND	U	13	J	NC
Benzo(a)anthracene	0.14	J	ND	U	NC
Benzo(a)pyrene	0.10	J	ND	U	NC
Benzo(b)fluoranthene	0.10	J	ND	U	NC
Benzo(k)fluoranthene	0.10	J	ND	U	NC
Chrysene	0.13	J	ND	U	NC
Indeno(1,2,3-cd)pyrene	0.06	J	ND	U	NC

Qualification: Results for diethyl phthalate, bis(2-ethylhexyl)phthalate, benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene were qualified as estimated (UJ/J) in the field duplicate pair.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample MW3 (CF48109) at 10x dilution. All %REC/RPDs were within the laboratory control limits with the exception of hexachlorocyclopentadiene, nitrobenzene, hexachlorobutadiene, acenaphthylene, anthracene, and benzo(a)pyrene. Results for hexachlorobutadiene, acenaphthylene, and anthracene were non-detect.

Qualification: Non-detect results for hexachlorocyclopentadiene and nitrobenzene were qualified as estimated (UJ) in sample MW3. Result for benzo(a)pyrene was qualified as estimated (J) in sample MW3.

– Matrix Spike (MS) were performed on sample MW3 (CF48109). All %REC/RPDs were within the laboratory control limits with the exception of hexachlorocyclopentadiene, 4-nitroaniline, 3-nitroaniline, 2,4-dinitrotoluene, 2-nitroaniline, and 3,3'-dichlorobenzidine.

Qualification: Non-detect results for hexachlorocyclopentadiene, 4-nitroaniline, 3-nitroaniline, 2-nitroaniline, and 3,3'-dichlorobenzidine were qualified as estimated (UJ) in sample MW3

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or

qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)}$$

C_x = concentration of analyte as ug/L

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

VE= final volume of concentrated extract

Sample: MW1 (CF48107)

Bis(2-ethylhexyl)phthalate

Initial Volume: 500ml

Final volume: 1ml

Volume injected: 1μl

Dilution Factor: 1

$$\text{Concentration } (\mu\text{g/L}) = \frac{1731370 \times 40 \times 1\text{ml} \times 1 \times 1000}{1546870 \times 0.859 \times 1 \times 500\text{ml}} = 104.2 \mu\text{g/L}$$

Compound	Laboratory (μg/L)	Validation (μg/L)	%D
Bis(2-ethylhexyl)phthalate	100	100	0.0

Data Review Summary –The SVOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Semi-Volatile water data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCE69088 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
VOLATILE ORGANIC COMPOUNDS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/07/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	VOC	GW
MW2	CF48108	03/10/2020	VOC	GW
MW3	CF48109	03/10/2020	VOC	GW
MW Duplicate	CF48110	03/10/2020	VOC	GW
Trip Blank	CF48111	03/10/2020	VOC	Trip Blank

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples and one (1) trip blank (TB) sample that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for Volatile Organic (VOC) analyses by SW846 Method 8260C. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times –All samples were analyzed within the 14-day holding time required for GW samples.

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 03/03/2020 (CHEM17) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

- Initial calibration curve analyzed on 03/03/2020 (CHEM17) exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) - The %D for the CCVs analyzed and reported with these samples on 03/12/2020 were within acceptance limits for all target VOCs.

Qualification: None required.

- The %D for the CCVs analyzed and reported with these samples on 03/16/2020 were within acceptance limits for all target VOCs.

Qualification: None required.

Surrogates – Surrogate percent recoveries were within the control limits for all the samples.

Qualification: None required.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area counts for all internal standards.

Qualification: None required.

MS/MSD – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample MW3 (CF48109). All %REC/RPDs were within the laboratory control limits with the exception of bromomethane (61% and 63%R) and dichlorodifluoromethane (68% %R).

Qualification: Non-detect results for bromomethane and dichlorodifluoromethane were qualified as estimated (UJ) in sample MW3.

Method Blank – The method blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – Trip Blank (Lab Sample ID: CF48111), was submitted with this sample set and was free of contamination.

Qualification: None required.

Field Duplicate — One duplicate pair was submitted with this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The FD sample results for detected VOC in the FD sample pair are summarized in the table below. RPDs for tetrachloroethene and trichloroethene were greater than the control limits. Ethylbenzene, isopropylbenzene, m&p-xylene, and o-xylene were detected in the field duplicate sample and were non-detect in the field sample.

Lab Sample ID	CF48110		CF48109		
Client Sample ID	MW3		MW Duplicate		
Collection Date	3/10/2020		3/10/2020		
Analyte	Result (µg/L)	Flag	Result (µg/L)	Flag	%RPD
Acetone	2.6	J	2.8	J	7.4
Chloroform	1.4	J	0.92	J	41.4
Ethylbenzene	ND	U	0.58	J	NC
Isopropylbenzene	ND	U	9.6		NC
M&p-xylene	ND	U	2.3		NC
o-xylene	ND	U	0.44	J	NC
Tetrachloroethene	2.2		0.79	J	94.3
Trichloroethene	3.7		2.2		50.8

Qualification: Results for tetrachloroethene and trichloroethene were qualified as estimated (J) in the field duplicate pair. Results for ethylbenzene, isopropylbenzene, m&p-xylene, and o-xylene were qualified as estimated (UJ/J) in the field duplicate pair.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

Qualification: None required.

– Sample compound spectra were compared against the laboratory standard spectra.

Qualification: None required.

Compound Quantitation –Analyte non-detections were reported as “U”; these results should be considered the equivalent of “RL U.” Analyte detections below the PQL were reported as J qualified results. These J qualifiers were retained unless superseded by a more severe qualifier.

Qualification: None required.

– All sample results were reported within the linear calibration range.

Qualification: None required.

– Tentatively identified compounds (TICs) were required for this project. The laboratory provided all the necessary documentation for the TICs. TICs identified as “unknown” or qualified as JNA in all samples were qualified unusable (R) because they are suspected of being artifacts of common laboratory contaminant (i.e., common lab contaminants: solvent preservative front and related byproducts). Based on professional judgment, TICs identified in Samples that were qualified by the laboratory as JN or Q were qualified as estimated (J). Note: EDD did not contain TICs.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(DF)}{(A_{is})(RRF)(V)}$$

C_x = concentration of analyte as µg/L

A_x = Area of the characteristic ion for the compound to be measured, counts.

A_{is} = Area of the characteristic ion for the specific internal standard, counts.

IS = Concentration of the internal standard spiking mixture, ng

RRF= Mean relative response factor from the initial calibration.

DF = Dilution factor calculated. If no dilution is performed, DF= 1

V= Volume for liquids in ml, weight for soils/solids in grams.

MW1 (CF48107)

Toluene

Sample Volume= 25ml

Volume purged=25ml

DF = 5

$$\text{Concentration } (\mu\text{g/L}) = \frac{268480 \times 25 \times 10 \times 5}{673749 \times 0.898 \times 25} = 22.187 \mu\text{g/L}$$

Compound	Laboratory (µg/L)	Validation (µg/L)	%D
Toluene	22	22	0.0

Data Review Summary –The VOC results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Volatile water data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48107 at the end of the data validation report.

Note: TIC results were not included in the EDD and the Data Summary Table.

DATA USABILITY SUMMARY REPORT (DUSR)
POLYCHLORINATED BIPHENYLS (PCBs)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/7/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	PCBs	GW
MW2	CF48108	03/10/2020	PCBs	GW
MW3	CF48109	03/10/2020	PCBs	GW
MW Duplicate	CF48110	03/10/2020	PCBs	GW

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for PCBs by SW-846 Method 8082A. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All water samples were extracted within 7 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 02/20/2020 (ECD1) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 02/20/2020 (ECD3) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 03/13/20 exhibited acceptable %Ds for all compounds.

– All CCVs analyzed on 03/17/20 exhibited acceptable %Ds for all compounds.

Qualification: None required.

Qualification: None required.

Surrogates – All surrogates %RECs values for all water samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF48107 BL) associated with the water samples extracted on 03/16/2020 and analyzed on 03/17/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF48107 were analyzed on 03/17/2020. All %RECs were within the laboratory control limits.

Qualification: None required.

– Laboratory Control Sample associated with ID: CF48109 were analyzed on 03/13/2019. All %RECs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – One duplicate pair was submitted with this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The results for detected PCBs were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample MW3 (CF48109). All %RECs were within the laboratory control limits. Aroclor-1260 RPD was outside the control limits. Aroclor-1260 was non-detect in the parent sample.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

CE48107 LCS

Aroclor-1016

On Column concentration (B)= 507.824ng

Sample Volume= 1000ml

DF= 1

Vi= 5ml

$$\text{Concentration } (\mu\text{g/L}) = \frac{507.824\text{ng} \times 5\text{ml} \times 1}{1000} = 2.54\mu\text{g/L}$$

Compound	Laboratory ($\mu\text{g/L}$)	Validation ($\mu\text{g/L}$)	%D
Aroclor-1016	2.54	2.54	0.0

Data Review Summary – The PCBs results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PCBs data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48107 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
PESTICIDES

USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/7/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	Pesticides	GW
MW2	CF48108	03/10/2020	Pesticides	GW
MW3	CF48109	03/10/2020	Pesticides	GW
MW Duplicate	CF48110	03/10/2020	Pesticides	GW

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for Pesticides by SW-846 Method 8081 in accordance with NYSDEC, Analytical Services Protocol (ASP) Format.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All water samples were extracted within 7 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/ECD Instrument Performance Check – 4,4'-DDT and Endrin breakdown exhibited acceptable results ($\pm 20\%$).

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 3/11/2020 (ECD35) exhibited acceptable %RSD on both columns.

Qualification: None required.

– Initial calibration curve analyzed on 3/13/2020 (ECD4) exhibited acceptable %RSD on both columns.

Qualification: None required.

Continuing Calibration Verification (CCV) – All CCVs analyzed on 3/13/2020 exhibited acceptable %Ds for all compounds on reporting column with the exception of beta-BHC.

Qualification: Non-detect results for beta-BHC in samples MW3 and MW2 were qualified as estimated (UJ).

– All CCVs analyzed on 3/16-17/2020 exhibited acceptable %Ds for all compounds on reporting column. Beta-BHC 3/17/2020 15:24

Qualification: Non-detect result for beta-BHC in sample MW1 was qualified as estimated (UJ).

Surrogates – All surrogates %RECs values for water samples were within the laboratory control limits.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF48107 BL) associated with the water samples extracted on 03/16/2020 and analyzed on 03/17/2020 was free of contamination.

Qualification: None required.

– Method Blank (CF48109 BL) associated with the water samples extracted on 03/12/2020 and analyzed on 03/13/2020 was free of contamination.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample associated with ID: CF48107 LCS was analyzed on 3/17/2020. All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

– Laboratory Control Sample associated with ID: CF48109 LCS was analyzed on 3/13/2020. All %RECs/RPDs were within the laboratory control limits with the exception of beta-BHC RPD. Result for beta-BHC was non-detect in the associated samples.

Qualification: None required.

Field Duplicate – One duplicate pair was submitted with this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The results for detected pesticides were non-detect in the FD sample pair.

Qualification: None required.

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample MW3 (CF48109). All %RECs were within the laboratory control limits. RPDs were out for gamma-BHC (Lindane), heptachlor, aldrin, and gamma-chlordane. Results for all the previously noted compounds were non-detect in the parent sample.

Qualification: None required.

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample

results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

CF48109 LCS

Alpha-BHC

On Column concentration (A)= 45.8046ng

Sample Volume= 1000ml

DF = 1

$$\text{Concentration } (\mu\text{g/L}) = \frac{45.8046\text{ng} \times 1\text{ml}}{1000} = 0.0458\mu\text{g/L}$$

Compound	Laboratory ($\mu\text{g/L}$)	Validation ($\mu\text{g/L}$)	%D
Alpha-BHC	0.046	0.046	0.0

Data Review Summary – The pesticide results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Pesticides data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48107 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
TRACE METALS
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/08/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	Metals	GW
MW2	CF48108	03/10/2020	Metals	GW
MW3	CF48109	03/10/2020	Metals	GW
MW Duplicate	CF48110	03/10/2020	Metals	GW

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for the following analyses:

- 1.1 Trace Metals-ICP-AES by SW-846 Method 6010C.
- 1.2 Mercury by SW-846 Method 7470.
- 1.3 Trace Metals-ICP-MS by SW-846 Method 6020.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All water samples were analyzed within the 6 months holding times for Trace Metals analysis by ICP-AES and MS.

Qualification: None required.

– All water samples were digested and analyzed within the 28 days holding times for Mercury analysis.

Qualification: None required.

Initial and Continuing Calibration Verification (ICV and CCV) – ICP-AES – All %RECs in the ICV and CCVs were within QC limits for the total metals.

Qualification: None required.

– All %RECs in the ICV and CCVs were within QC limits for the dissolved metals.

Qualification: None required.

Mercury – All correlation coefficient for dissolved Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs dissolved %REC values were within the QC limits.

Qualification: None required.

– All correlation coefficient for total Mercury calibration curve analyzed were ≤ 0.995 .

Qualification: None required.

– All ICVs and CCVs total %REC values were within the QC limits.

Qualification: None required.

CRQL Check Standard (CRI) – Dissolved CRI analyzed %RECs were within the control limits.

Qualification: None required.

– Total copper and mercury were outside the CRI control limits for CRI. Remaining total CRI analyzed %RECs were within the control limits.

Qualification: Results for total copper in sample MW1 was qualified as estimated (J). Non-detect results for total mercury were qualified as non-detect (UJ) in samples MW2, MW3, and MW Duplicate.

ICP-AES Interference Check Sample – All %REC values were within the QC limits for ICESA and ICSAB for both total and dissolved metals.

Qualification: None required.

Blanks (Method Blank, ICB and CCB) – MS Method Blank-dissolved (CF48109 BLK) digested on 03/11/2020 was free of contamination.

Qualification: None required.

– Mercury Method Blank-dissolved (CF48109 BLK) digested on 03/12/2020 was free of contamination.

Qualification: None required.

– ICP-AES Method Blank-dissolved (CF48109 BLK) digested on 03/11/2020 was free of contamination.

Qualification: None required.

– Dissolved ICB and CCBs contained sodium and selenium. Results for sodium and selenium in the field samples were greater than the blank concentration or non-detect.

Qualification: None required.

– ICP-AES Method Blank-Total (CF48109 BLK) digested on 03/11/2020 was free of contamination.

Qualification: None required.

– ICP-AES Method Blank-Total (CF47607 BLK) digested on 3/17/2020 was free of contamination.

Qualification: None required.

– MS Method Blank-Total (CF48109 BLK) digested on 3/12/2020 was free of contamination.

Qualification: None required.

– Mercury Method Blank-Total (CF48109 BLK) digested on 03/12/2020 was free of contamination.

Qualification: None required.

– Mercury Method Blank-Total (CF48467 BLK) digested on 03/13/2020 was free of contamination.

Qualification: None required.

– All total ICB and CCBs contained copper and selenium. Total copper and selenium results were greater than the method blank contamination.

Qualification: None required.

Field Blank (FB) and Equipment Blank (EB) – Field Blanks were not submitted with this SDG.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – ICP-AES, MS, and Mercury – Laboratory Control Sample %RECs were within the laboratory control limits for dissolved metals.

Qualification: None required.

– Laboratory Control Sample %RECs were within the laboratory control limits for total metals.

Qualification: None required.

Field Duplicate – One field duplicate pair was included in this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The FD sample results are summarized in the table below.

Client Sample ID:	Dissolved MW3		Dissolved MW Duplicate		
Lab Sample ID:	CF48109		CF48110		
Date Sampled:	03/10/2020		03/10/2020		
	Result (mg/L)		Result (mg/L)		RPD (%)
Aluminum	0.040		0.045		11.8
Antimony	0.0002	J	0.0002	J	0
Barium	0.278		0.379		30.7
Calcium	121		127		4.8
Cobalt	0.004	J	0.004	J	0
Copper	0.001	J	ND		NC
Iron	0.02		0.23		168.0
Magnesium	31.9		33.4		4.6
Manganese	2.71		2.51		7.7
Nickel	0.024		0.023		4.3
Potassium	8.1		8.6		6.0
Selenium	0.002	J	ND		NC
Sodium	86.6		120		32.3
Zinc	0.003	J	0.002	J	40.0
	Total MW3		Total MW Duplicate		
	CF48109		CF48110		
	03/10/2020		03/10/2020		
	Result (mg/L)		Result (mg/L)		RPD (%)
Aluminum	6.16		18.2		98.9
Arsenic	ND	U	0.006		NC
Barium	0.346		0.562		47.6
Cadmium	ND	U	0.001	J	NC
Calcium	125		139		10.6
Chromium	0.023		0.079		109.8
Cobalt	0.009		0.015		50.0
Copper	0.024		0.049		68.5
Iron	10.7		33.0		102.1
Lead	0.015		0.022		37.8
Magnesium	36.5		46.8		24.7
Manganese	2.95		3.24		9.4
Nickel	0.055		0.108		65.0
Potassium	9.5		13.8		36.9
Selenium	0.002	J	0.001	J	66.7

	Total MW3		Total MW Duplicate		
	CF48109		CF48110		
	03/10/2020		03/10/2020		
	Result (mg/L)		Result (mg/L)		RPD (%)
Silver	0.002	J	ND	U	NC
Sodium	88.5		123		32.6
Vanadium	0.013		0.036		93.9
Zinc	0.039		0.085		74.2

Qualification: Results for dissolved copper, iron and selenium in field duplicate pair MW3 and MW Duplicate were qualified as estimated (UJ/J). Results for total aluminum, arsenic, cadmium, chromium, cobalt, iron, nickel, selenium, silver, vanadium, and zinc in field duplicate pair MW3 and MW Duplicate were qualified as estimated (UJ/J).

Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) – ICP-AES, MS, and Mercury – Matrix Spike (MS) was performed on dissolved sample MW3 (CF48109). %RECs were within the laboratory control limits.

Qualification: None required.

– ICP-AES, MS, and Mercury – Matrix Spike (MS) was performed on total sample MW3 (CF48109). %RECs were within the laboratory control limits.

Qualification: None required.

Sample Duplicate – ICP-AES, MS, and Mercury – Laboratory Duplicate was performed on dissolved sample MW3 (CF48109). RPDs were inside the laboratory control limits.

Qualification: None required.

– ICP-AES, MS, and Mercury – Laboratory Duplicate was performed on total sample MW3 (CF48109). RPDs were inside the laboratory control limits.

Qualification: None required.

ICP-AES Serial Dilution – ICP serial dilution was performed on dissolved sample MW3 (CF48109). For all results for which the concentration in the original sample is $\geq 50x$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$).

Qualification: None required.

– ICP serial dilution was performed on total sample MW3 (CF48109). For all results for which the concentration in the original sample is $\geq 50x$ the Method Detection Limits (MDL), the serial dilution analysis (a five-fold dilution) was within the acceptable limit ($\%D \pm 10\%$).

Qualification: None required.

Verification of Instrumental Parameters – The following Forms were present in the data package:

- Method Detection Limits, Form- X.
- ICP-AES Interelement Correction Factors, Form -XIA and Form-XIB.
- ICP-AES Linear Ranges, Form XII.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual calculation

Sample: MW1 (CF48107)

Total Barium

DF: 10

6.687 mg/L was reported on the raw data and the laboratory reported 6.69 mg/L on Form-I.

Data Review Summary – The dissolved and total trace metal results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- Trace Metals data package requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48107 at the end of the data validation report.

DATA USABILITY SUMMARY REPORT (DUSR)
SEMI-VOLATILE ORGANIC COMPOUNDS (1,4-DIOXANE)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48107
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/7/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	CF48107	03/10/2020	SVOC	GW
MW2	CF48108	03/10/2020	SVOC	GW
MW3	CF48109	03/10/2020	SVOC	GW
MW Duplicate	CF48110	03/10/2020	SVOC	GW

Summary - Data validation was performed on the data for four (4) groundwater (GW) samples that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for Semi-Volatile Organic (SVOC) analyses for 1,4-dioxane by SW846 Method 8270C. All sample results in this SDG were subjected to Level 4 data validation.

Narrative and Completeness Review – The case narrative and data package were checked for completeness. No discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All water samples were extracted within 7 days from sample collection and analyzed within 40 days following sample extraction.

Qualification: None required.

GC/MS Tuning – All DFTPP tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration – Initial calibration curve analyzed on 03/03/2020 (CHEM22)- Scan for 1,4-dioxane exhibited acceptable %RSDs and average RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Continuing Calibration Verification (CCV) – CCV analyzed on 03/13/2020 (CHEM22)-scan for 1,4-dioxane exhibited acceptable %Ds and RRF values for compounds listed in Table 2 in SOP HW-33A.

Qualification: None required.

Surrogates – All surrogate %REC values were within the QC acceptance limits for the SIM scan.

Qualification: None required.

Internal Standard (IS) Area Performance – All samples exhibited acceptable area count for the internal standard for 1,4-dioxane.

Qualification: None required.

Method Blank (MB), Storage Blank (SB), Trip Blank (TB), Field Blank (FB), Rinsate Blank (RB) and Equipment Blank (EB) – Method Blank (CF48109 BLANK)-Scan for 1,4-dioxane associated with the water samples extracted on 03/12/2020 and analyzed on 03/13/2020 was free of contamination.

Qualification: None required.

Field Duplicate — One duplicate pair was submitted with this SDG. Sample MW Duplicate (Lab Sample ID: CF48110) was the field duplicate sample of MW3 (Lab Sample ID: CF48109). The FD sample results for detected 1,4-Dioxane in the FD sample pair are summarized in the table below.

Lab Sample ID	CF48110		CF48109		
Client Sample ID	MW3		MW Duplicate		
Collection Date	3/10/2020		3/10/2020		
Analyte	Result (µg/L)	Flag	Result (µg/L)	Flag	%RPD
1,4-Dioxane	0.38		0.52		31.1

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS)/ Matrix Spike Duplicate (MSD) were performed on sample MW3 (CF48109). All %RECs/RPDs were within the laboratory control limits.

Qualification: None required.

Target Compound Identification – All Relative Retention Times (RRTs) of the reported compounds were within ± 0.06 RRT units of the standard (opening CCV).

– Sample compound spectra were compared against the laboratory standard spectra.

– No QC deviations were observed.

Compound Quantitation and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

$$C_x = \frac{(A_x)(IS)(VE)(DF)}{(A_{is})(RRF)(\text{Volume injected, } \mu\text{L})(V)}$$

C_x = concentration of analyte as ug/L

A_x = Area of the characteristic ion for the compound to be measured, counts.
 A_{is} = Area of the characteristic ion for the specific internal standard, counts.
 IS = Concentration of the internal standard spiking mixture, ng
 RRF = Mean relative response factor from the initial calibration.
 DF = Dilution factor calculated. If no dilution is performed, $DF = 1$
 V = Volume for liquids in ml, weight for soils/solids in grams.
 VE = final volume of concentrated extract

Sample: LCS GCF48109

1,4-Dioxane

Initial Volume: 100ml

Final volume: 1ml

Volume injected: 1 μ l

Dilution Factor: 1

$$\text{Concentration } (\mu\text{g/L}) = \frac{42535 \times 5 \times 1\text{ml} \times 1 \times 100}{623737 \times 0.171 \times 1 \times 100\text{ml}} = 1.99\mu\text{g/L}$$

Compound	Laboratory ($\mu\text{g/L}$)	Validation ($\mu\text{g/L}$)	%D
1,4-Dioxane	1.99	1.99	0.0

Data Review Summary –The 1,4-dioxane results reported in this SDG are acceptable as reported and may be used for their intended purpose.

–1,4-Dioxane water data package meets the requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48107 at the end of the data validation report.



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
GROUNDWATER
SDG: GCF48107**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1_20200310	CF48107	SW6010	3/10/2020	100	Aluminum	696	mg/L		0.24	2.0
MW1_20200310	CF48107	SW6010	3/10/2020	1	Aluminum (Dissolved)	0.049	mg/L		0.0026	0.011
MW1_20200310	CF48107	SW6010	3/10/2020	10	Arsenic - LDL	0.223	mg/L		0.040	0.040
MW1_20200310	CF48107	SW6010	3/10/2020	1	Arsenic, (Dissolved)		mg/L	U	0.001	0.003
MW1_20200310	CF48107	SW6010	3/10/2020	10	Barium	6.69	mg/L		0.010	0.10
MW1_20200310	CF48107	SW6010	3/10/2020	1	Barium (Dissolved)	0.238	mg/L		0.001	0.011
MW1_20200310	CF48107	SW6010	3/10/2020	10	Beryllium	0.033	mg/L		0.010	0.010
MW1_20200310	CF48107	SW6010	3/10/2020	1	Beryllium (Dissolved)		mg/L	U	0.001	0.001
MW1_20200310	CF48107	SW6010	3/10/2020	10	Cadmium	0.030	mg/L	J	0.0050	0.040
MW1_20200310	CF48107	SW6010	3/10/2020	1	Cadmium (Dissolved)		mg/L	U	0.0005	0.004
MW1_20200310	CF48107	SW6010	3/10/2020	10	Calcium	1050	mg/L		0.030	0.10
MW1_20200310	CF48107	SW6010	3/10/2020	1	Calcium (Dissolved)	87.5	mg/L		0.003	0.01
MW1_20200310	CF48107	SW6010	3/10/2020	10	Chromium	3.31	mg/L		0.010	0.010
MW1_20200310	CF48107	SW6010	3/10/2020	1	Chromium (Dissolved)		mg/L	U	0.001	0.001
MW1_20200310	CF48107	SW6010	3/10/2020	10	Cobalt	0.919	mg/L		0.010	0.050
MW1_20200310	CF48107	SW6010	3/10/2020	1	Cobalt, (Dissolved)	0.005	mg/L	J	0.001	0.005
MW1_20200310	CF48107	SW6010	3/10/2020	10	Copper	2.74	mg/L	J	0.010	0.050
MW1_20200310	CF48107	SW6010	3/10/2020	1	Copper, (Dissolved)	0.004	mg/L	J	0.001	0.005
MW1_20200310	CF48107	SW6010	3/10/2020	100	Iron	1470	mg/L		1.0	1.0
MW1_20200310	CF48107	SW6010	3/10/2020	1	Iron, (Dissolved)	0.03	mg/L		0.01	0.01
MW1_20200310	CF48107	SW6010	3/10/2020	10	Lead	0.836	mg/L		0.010	0.020
MW1_20200310	CF48107	SW6010	3/10/2020	1	Lead (Dissolved)		mg/L	U	0.001	0.002
MW1_20200310	CF48107	SW6010	3/10/2020	10	Magnesium	706	mg/L		0.10	0.10
MW1_20200310	CF48107	SW6010	3/10/2020	1	Magnesium (Dissolved)	26.2	mg/L		0.01	0.01
MW1_20200310	CF48107	SW6010	3/10/2020	100	Manganese	45.2	mg/L		0.10	0.50
MW1_20200310	CF48107	SW6010	3/10/2020	1	Manganese, (Dissolved)	1.11	mg/L		0.001	0.005
MW1_20200310	CF48107	SW6010	3/10/2020	10	Nickel	5.82	mg/L		0.010	0.040
MW1_20200310	CF48107	SW6010	3/10/2020	1	Nickel, (Dissolved)	0.048	mg/L		0.001	0.004
MW1_20200310	CF48107	SW6010	3/10/2020	10	Potassium	153	mg/L		1.0	1.0
MW1_20200310	CF48107	SW6010	3/10/2020	1	Potassium (Dissolved)	9.4	mg/L		0.1	0.1
MW1_20200310	CF48107	SW6010	3/10/2020	1	Selenium		mg/L	U	0.01	0.010
MW1_20200310	CF48107	SW6010	3/10/2020	1	Silver	0.069	mg/L		0.001	0.005
MW1_20200310	CF48107	SW6010	3/10/2020	1	Silver (Dissolved)		mg/L	U	0.001	0.005
MW1_20200310	CF48107	SW6010	3/10/2020	10	Sodium	104	mg/L		1.0	1.0
MW1_20200310	CF48107	SW6010	3/10/2020	10	Sodium (Dissolved)	58.4	mg/L		1.1	1.1



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1_20200310	CF48107	SW6010	3/10/2020	10	Vanadium	1.60	mg/L		0.010	0.10
MW1_20200310	CF48107	SW6010	3/10/2020	1	Vanadium, (Dissolved)		mg/L	U	0.001	0.011
MW1_20200310	CF48107	SW6010	3/10/2020	10	Zinc	4.46	mg/L		0.020	0.10
MW1_20200310	CF48107	SW6010	3/10/2020	1	Zinc, (Dissolved)	0.005	mg/L	J	0.002	0.011
MW1_20200310	CF48107	SW6020	3/10/2020	5	Antimony		mg/L	U	0.0030	0.0030
MW1_20200310	CF48107	SW6020	3/10/2020	1	Antimony (Dissolved)-LDL		mg/L	U	0.001	0.001
MW1_20200310	CF48107	SW6020	3/10/2020	1	Selenium (Dissolved)-LDL	0.001	mg/L	J	0.0001	0.002
MW1_20200310	CF48107	SW6020	3/10/2020	5	Thallium	0.0083	mg/L		0.0005	0.0005
MW1_20200310	CF48107	SW6020	3/10/2020	1	Thallium (Dissolved)		mg/L	U	0.0001	0.0003
MW1_20200310	CF48107	SW7470	3/10/2020	1	Mercury		mg/L	U	0.0007	0.0007
MW1_20200310	CF48107	SW7470	3/10/2020	1	Mercury (Dissolved)		mg/L	U	0.00015	0.0002
MW1_20200310	CF48107	SW8081	3/10/2020	1	4,4' -DDD		ug/L	U	0.010	0.010
MW1_20200310	CF48107	SW8081	3/10/2020	1	4,4' -DDE		ug/L	U	0.010	0.010
MW1_20200310	CF48107	SW8081	3/10/2020	1	4,4' -DDT		ug/L	U	0.010	0.010
MW1_20200310	CF48107	SW8081	3/10/2020	1	a-BHC		ug/L	U	0.010	0.010
MW1_20200310	CF48107	SW8081	3/10/2020	1	a-chlordane		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Alachlor		ug/L	U	0.38	0.38
MW1_20200310	CF48107	SW8081	3/10/2020	1	Aldrin		ug/L	U	0.008	0.008
MW1_20200310	CF48107	SW8081	3/10/2020	1	b-BHC		ug/L	UJ	0.034	0.034
MW1_20200310	CF48107	SW8081	3/10/2020	1	Chlordane		ug/L	U	0.10	0.10
MW1_20200310	CF48107	SW8081	3/10/2020	1	d-BHC		ug/L	U	0.025	0.025
MW1_20200310	CF48107	SW8081	3/10/2020	1	Dieldrin		ug/L	U	0.010	0.010
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endosulfan I		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endosulfan II		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endosulfan Sulfate		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endrin		ug/L	U	0.025	0.025
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endrin Aldehyde		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Endrin ketone		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	g-BHC (Lindane)		ug/L	U	0.025	0.025
MW1_20200310	CF48107	SW8081	3/10/2020	1	g-chlordane		ug/L	U	0.050	0.050
MW1_20200310	CF48107	SW8081	3/10/2020	1	Heptachlor		ug/L	U	0.025	0.025
MW1_20200310	CF48107	SW8081	3/10/2020	1	Heptachlor epoxide		ug/L	U	0.025	0.025
MW1_20200310	CF48107	SW8081	3/10/2020	1	Methoxychlor		ug/L	U	0.50	0.50
MW1_20200310	CF48107	SW8081	3/10/2020	1	Toxaphene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1016		ug/L	U	0.090	0.090



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1221		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1232		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1242		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1248		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1254		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1260		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1262		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8082	3/10/2020	1	PCB-1268		ug/L	U	0.090	0.090
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1,1,2-Tetrachloroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1,1-Trichloroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1,2,2-Tetrachloroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1,2-Trichloroethane		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1-Dichloroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,1-Dichloroethene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2,3-Trichlorobenzene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2,4-Trichlorobenzene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2-Dibromo-3-chloropropane		ug/L	U	2.5	2.5
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2-Dibromoethane		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2-Dichlorobenzene		ug/L	U	1.3	4.7
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2-Dichloroethane		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,2-Dichloropropane		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,3-Dichlorobenzene		ug/L	U	1.3	3.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	1,4-Dichlorobenzene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	2-Hexanone		ug/L	U	13	13
MW1_20200310	CF48107	SW8260	3/10/2020	5	4-Methyl-2-pentanone		ug/L	U	13	13
MW1_20200310	CF48107	SW8260	3/10/2020	5	Acetone		ug/L	U	13	25
MW1_20200310	CF48107	SW8260	3/10/2020	5	Acrolein		ug/L	U	13	13
MW1_20200310	CF48107	SW8260	3/10/2020	5	Acrylonitrile		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Benzene		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	Bromochloromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Bromodichloromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Bromoform		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Bromomethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Carbon Disulfide		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Carbon tetrachloride		ug/L	U	1.3	5.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1_20200310	CF48107	SW8260	3/10/2020	5	Chlorobenzene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Chloroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Chloroform	7.9	ug/L		1.3	7.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Chloromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	cis-1,2-Dichloroethene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	cis-1,3-Dichloropropene		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	Cyclohexane		ug/L	U	2.5	25
MW1_20200310	CF48107	SW8260	3/10/2020	5	Dibromochloromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Dichlorodifluoromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Ethylbenzene	18	ug/L		1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Isopropylbenzene	2.2	ug/L	J	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	m&p-Xylene	69	ug/L		1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Methyl ethyl ketone		ug/L	U	13	25
MW1_20200310	CF48107	SW8260	3/10/2020	5	Methyl t-butyl ether (MTBE)		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Methylacetate		ug/L	U	13	13
MW1_20200310	CF48107	SW8260	3/10/2020	5	Methylcyclohexane		ug/L	U	2.5	10
MW1_20200310	CF48107	SW8260	3/10/2020	5	Methylene chloride		ug/L	U	5.0	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	o-Xylene	29	ug/L		1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Styrene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Tert-butyl alcohol		ug/L	U	50	250
MW1_20200310	CF48107	SW8260	3/10/2020	5	Tetrachloroethene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Toluene	22	ug/L		1.3	10
MW1_20200310	CF48107	SW8260	3/10/2020	5	trans-1,2-Dichloroethene		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	trans-1,3-Dichloropropene		ug/L	U	1.3	1.3
MW1_20200310	CF48107	SW8260	3/10/2020	5	Trichloroethene	1.3	ug/L	J	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Trichlorofluoromethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Trichlorotrifluoroethane		ug/L	U	1.3	5.0
MW1_20200310	CF48107	SW8260	3/10/2020	5	Vinyl chloride		ug/L	U	1.3	2.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	1,1-Biphenyl		ug/L	U	5.0	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/L	U	7.0	7.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,3,4,6-tetrachlorophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4,5-Trichlorophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4,6-Trichlorophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4-Dichlorophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4-Dimethylphenol		ug/L	U	1.8	1.8



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4-Dinitrophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,4-Dinitrotoluene		ug/L	U	3.9	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	2,6-Dinitrotoluene		ug/L	U	3.2	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Chloronaphthalene		ug/L	U	2.8	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Chlorophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Methylnaphthalene		ug/L	U	3.0	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Methylphenol (o-cresol)		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Nitroaniline		ug/L	U	5.0	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	2-Nitrophenol		ug/L	UJ	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/L	U	1.8	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	3,3'-Dichlorobenzidine		ug/L	U	4.7	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	3-Nitroaniline		ug/L	U	5.0	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	4,6-Dinitro-2-methylphenol		ug/L	U	2.0	2.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Bromophenyl phenyl ether		ug/L	U	2.9	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Chloro-3-methylphenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Chloroaniline		ug/L	U	4.7	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Chlorophenyl phenyl ether		ug/L	U	3.4	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Nitroaniline		ug/L	U	3.3	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	4-Nitrophenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270	3/10/2020	1	Acenaphthene		ug/L	U	3.0	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Acetophenone		ug/L	U	3.1	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Atrazine		ug/L	U	2.0	2.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	Benzaldehyde		ug/L	U	3.0	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Benzyl butyl phthalate		ug/L	U	2.6	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Bis(2-chloroethoxy)methane		ug/L	U	2.8	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	Bis(2-chloroisopropyl)ether		ug/L	U	2.8	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Bis(2-ethylhexyl)phthalate	100	ug/L		2.0	2.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	Caprolactam		ug/L	U	18	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Carbazole		ug/L	U	7.6	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Dibenzofuran		ug/L	U	2.9	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	Diethyl phthalate		ug/L	U	3.2	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Dimethylphthalate		ug/L	U	3.1	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Di-n-butylphthalate		ug/L	U	2.7	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Di-n-octylphthalate		ug/L	U	2.6	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	U	3.1	5.0



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MW1_20200310	CF48107	SW8270	3/10/2020	1	Hexachloroethane		ug/L	U	2.0	2.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	Isophorone		ug/L	U	2.8	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Naphthalene		ug/L	U	2.9	5.0
MW1_20200310	CF48107	SW8270	3/10/2020	1	N-Nitrosodi-n-propylamine		ug/L	U	3.2	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	N-Nitrosodiphenylamine		ug/L	U	3.8	10
MW1_20200310	CF48107	SW8270	3/10/2020	1	Phenol		ug/L	U	1.8	1.8
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	1,4-dioxane	1.6	ug/L		0.20	0.20
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Acenaphthylene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Anthracene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Benz(a)anthracene	0.08	ug/L		0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Benzo(a)pyrene		ug/L	U	0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Benzo(b)fluoranthene		ug/L	U	0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Benzo(ghi)perylene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Benzo(k)fluoranthene		ug/L	U	0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Bis(2-chloroethyl)ether		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Chrysene	0.13	ug/L		0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Dibenz(a,h)anthracene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Fluoranthene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Fluorene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Hexachlorobenzene		ug/L	U	0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Hexachlorobutadiene		ug/L	U	0.50	0.50
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	UJ	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/L	U	0.04	0.04
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Nitrobenzene		ug/L	U	0.40	0.40
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	N-Nitrosodimethylamine		ug/L	U	0.40	0.40
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Pentachlorophenol		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Phenanthrene		ug/L	U	1.0	1.0
MW1_20200310	CF48107	SW8270C-SIM	3/10/2020	1	Pyrene		ug/L	U	1.0	1.0
MW2_20200310	CF48108	SW6010	3/10/2020	1	Aluminum	7.16	mg/L		0.0024	0.020
MW2_20200310	CF48108	SW6010	3/10/2020	1	Aluminum (Dissolved)	0.052	mg/L		0.0026	0.011
MW2_20200310	CF48108	SW6010	3/10/2020	1	Arsenic - LDL		mg/L	U	0.004	0.004
MW2_20200310	CF48108	SW6010	3/10/2020	1	Arsenic, (Dissolved)		mg/L	U	0.001	0.003
MW2_20200310	CF48108	SW6010	3/10/2020	1	Barium	0.473	mg/L		0.001	0.010
MW2_20200310	CF48108	SW6010	3/10/2020	1	Barium (Dissolved)	0.384	mg/L		0.001	0.011
MW2_20200310	CF48108	SW6010	3/10/2020	1	Beryllium		mg/L	U	0.001	0.001



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW2_20200310	CF48108	SW6010	3/10/2020	1	Beryllium (Dissolved)		mg/L	U	0.001	0.001
MW2_20200310	CF48108	SW6010	3/10/2020	1	Cadmium		mg/L	U	0.0005	0.004
MW2_20200310	CF48108	SW6010	3/10/2020	1	Cadmium (Dissolved)		mg/L	U	0.0005	0.004
MW2_20200310	CF48108	SW6010	3/10/2020	1	Calcium	134	mg/L		0.003	0.010
MW2_20200310	CF48108	SW6010	3/10/2020	1	Calcium (Dissolved)	128	mg/L		0.003	0.01
MW2_20200310	CF48108	SW6010	3/10/2020	1	Chromium	0.036	mg/L		0.001	0.001
MW2_20200310	CF48108	SW6010	3/10/2020	1	Chromium (Dissolved)		mg/L	U	0.001	0.001
MW2_20200310	CF48108	SW6010	3/10/2020	1	Cobalt	0.009	mg/L		0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	1	Cobalt, (Dissolved)	0.004	mg/L	J	0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	1	Copper	0.023	mg/L		0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	1	Copper, (Dissolved)	0.001	mg/L	J	0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	1	Iron	15.1	mg/L		0.01	0.01
MW2_20200310	CF48108	SW6010	3/10/2020	1	Iron, (Dissolved)	0.39	mg/L		0.01	0.01
MW2_20200310	CF48108	SW6010	3/10/2020	1	Lead	0.009	mg/L		0.001	0.002
MW2_20200310	CF48108	SW6010	3/10/2020	1	Lead (Dissolved)		mg/L	U	0.001	0.002
MW2_20200310	CF48108	SW6010	3/10/2020	1	Magnesium	38.6	mg/L		0.01	0.010
MW2_20200310	CF48108	SW6010	3/10/2020	1	Magnesium (Dissolved)	33.5	mg/L		0.01	0.01
MW2_20200310	CF48108	SW6010	3/10/2020	10	Manganese	2.75	mg/L		0.010	0.050
MW2_20200310	CF48108	SW6010	3/10/2020	10	Manganese, (Dissolved)	2.53	mg/L		0.011	0.053
MW2_20200310	CF48108	SW6010	3/10/2020	1	Nickel	0.053	mg/L		0.001	0.004
MW2_20200310	CF48108	SW6010	3/10/2020	1	Nickel, (Dissolved)	0.022	mg/L		0.001	0.004
MW2_20200310	CF48108	SW6010	3/10/2020	1	Potassium	11.4	mg/L		0.1	0.1
MW2_20200310	CF48108	SW6010	3/10/2020	1	Potassium (Dissolved)	9.0	mg/L		0.1	0.1
MW2_20200310	CF48108	SW6010	3/10/2020	1	Silver		mg/L	U	0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	1	Silver (Dissolved)		mg/L	U	0.001	0.005
MW2_20200310	CF48108	SW6010	3/10/2020	10	Sodium	113	mg/L		1.0	1.0
MW2_20200310	CF48108	SW6010	3/10/2020	10	Sodium (Dissolved)	113	mg/L		1.1	1.1
MW2_20200310	CF48108	SW6010	3/10/2020	1	Vanadium	0.013	mg/L		0.001	0.010
MW2_20200310	CF48108	SW6010	3/10/2020	1	Vanadium, (Dissolved)		mg/L	U	0.001	0.011
MW2_20200310	CF48108	SW6010	3/10/2020	1	Zinc	0.033	mg/L		0.002	0.010
MW2_20200310	CF48108	SW6010	3/10/2020	1	Zinc, (Dissolved)	0.002	mg/L	J	0.002	0.011
MW2_20200310	CF48108	SW6020	3/10/2020	5	Antimony		mg/L	U	0.0030	0.0030
MW2_20200310	CF48108	SW6020	3/10/2020	1	Antimony (Dissolved)-LDL	0.0001	mg/L	J	0.0001	0.0003
MW2_20200310	CF48108	SW6020	3/10/2020	5	Selenium	0.001	mg/L	J	0.0005	0.010
MW2_20200310	CF48108	SW6020	3/10/2020	1	Selenium (Dissolved)-LDL		mg/L	U	0.0001	0.002



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW2_20200310	CF48108	SW6020	3/10/2020	5	Thallium		mg/L	U	0.0005	0.0005
MW2_20200310	CF48108	SW6020	3/10/2020	1	Thallium (Dissolved)		mg/L	U	0.0001	0.0003
MW2_20200310	CF48108	SW7470	3/10/2020	1	Mercury		mg/L	UJ	0.00015	0.0002
MW2_20200310	CF48108	SW7470	3/10/2020	1	Mercury (Dissolved)		mg/L	U	0.00015	0.0002
MW2_20200310	CF48108	SW8081	3/10/2020	1	4,4' -DDD		ug/L	U	0.007	0.007
MW2_20200310	CF48108	SW8081	3/10/2020	1	4,4' -DDE		ug/L	U	0.005	0.005
MW2_20200310	CF48108	SW8081	3/10/2020	1	4,4' -DDT		ug/L	U	0.007	0.007
MW2_20200310	CF48108	SW8081	3/10/2020	1	a-BHC		ug/L	U	0.005	0.005
MW2_20200310	CF48108	SW8081	3/10/2020	1	a-chlordane		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Alachlor		ug/L	U	0.075	0.075
MW2_20200310	CF48108	SW8081	3/10/2020	1	Aldrin		ug/L	U	0.006	0.006
MW2_20200310	CF48108	SW8081	3/10/2020	1	b-BHC		ug/L	UJ	0.005	0.005
MW2_20200310	CF48108	SW8081	3/10/2020	1	Chlordane		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8081	3/10/2020	1	d-BHC		ug/L	U	0.005	0.005
MW2_20200310	CF48108	SW8081	3/10/2020	1	Dieldrin		ug/L	U	0.002	0.002
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endosulfan I		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endosulfan II		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endosulfan Sulfate		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endrin		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endrin Aldehyde		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Endrin ketone		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	g-BHC (Lindane)		ug/L	U	0.005	0.005
MW2_20200310	CF48108	SW8081	3/10/2020	1	g-chlordane		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Heptachlor		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Heptachlor epoxide		ug/L	U	0.010	0.010
MW2_20200310	CF48108	SW8081	3/10/2020	1	Methoxychlor		ug/L	U	0.10	0.10
MW2_20200310	CF48108	SW8081	3/10/2020	1	Toxaphene		ug/L	U	0.20	0.20
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1016		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1221		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1232		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1242		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1248		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1254		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1260		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1262		ug/L	U	0.050	0.050



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MW2_20200310	CF48108	SW8082	3/10/2020	1	PCB-1268		ug/L	U	0.050	0.050
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1,1-Trichloroethane		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1,2-Trichloroethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1-Dichloroethane		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,1-Dichloroethene		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2,3-Trichlorobenzene		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2,4-Trichlorobenzene		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2-Dibromo-3-chloropropane		ug/L	U	0.50	0.50
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2-Dibromoethane		ug/L	U	0.25	0.25
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2-Dichlorobenzene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2-Dichloroethane		ug/L	U	0.25	0.60
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,2-Dichloropropane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,3-Dichlorobenzene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	1,4-Dichlorobenzene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	2-Hexanone		ug/L	U	2.5	2.5
MW2_20200310	CF48108	SW8260	3/10/2020	1	4-Methyl-2-pentanone		ug/L	U	2.5	2.5
MW2_20200310	CF48108	SW8260	3/10/2020	1	Acetone		ug/L	U	2.5	5.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Acrolein		ug/L	U	2.5	5.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Acrylonitrile		ug/L	U	0.25	5.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Benzene		ug/L	U	0.25	0.70
MW2_20200310	CF48108	SW8260	3/10/2020	1	Bromochloromethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Bromodichloromethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Bromoform		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Bromomethane		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Carbon Disulfide		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Carbon tetrachloride		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Chlorobenzene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Chloroethane		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Chloroform	0.79	ug/L	J	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Chloromethane		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	cis-1,2-Dichloroethene		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	cis-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW2_20200310	CF48108	SW8260	3/10/2020	1	Cyclohexane		ug/L	U	0.50	5.0



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MW2_20200310	CF48108	SW8260	3/10/2020	1	Dibromochloromethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Dichlorodifluoromethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Ethylbenzene	0.53	ug/L	J	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Isopropylbenzene	9.0	ug/L		0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	m&p-Xylene	2.2	ug/L		0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Methyl ethyl ketone		ug/L	U	2.5	5.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Methyl t-butyl ether (MTBE)		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Methylacetate		ug/L	U	2.5	2.5
MW2_20200310	CF48108	SW8260	3/10/2020	1	Methylcyclohexane	1.6	ug/L	J	0.50	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Methylene chloride		ug/L	U	1.0	3.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	o-Xylene	0.40	ug/L	J	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Styrene		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Tert-butyl alcohol		ug/L	U	10	50
MW2_20200310	CF48108	SW8260	3/10/2020	1	Tetrachloroethene	0.81	ug/L	J	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Toluene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	trans-1,2-Dichloroethene		ug/L	U	0.25	2.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	trans-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW2_20200310	CF48108	SW8260	3/10/2020	1	Trichloroethene	2.3	ug/L		0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Trichlorofluoromethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Trichlorotrifluoroethane		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8260	3/10/2020	1	Vinyl chloride		ug/L	U	0.25	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	1,1-Biphenyl		ug/L	U	3.6	3.6
MW2_20200310	CF48108	SW8270	3/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/L	U	3.6	3.6
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,3,4,6-tetrachlorophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4,5-Trichlorophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4,6-Trichlorophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4-Dichlorophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4-Dimethylphenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4-Dinitrophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,4-Dinitrotoluene		ug/L	U	2.0	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2,6-Dinitrotoluene		ug/L	U	1.6	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Chloronaphthalene		ug/L	U	1.4	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Chlorophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Methylnaphthalene		ug/L	U	1.5	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Methylphenol (o-cresol)		ug/L	U	0.92	1.0



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MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Nitroaniline		ug/L	U	5.0	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	2-Nitrophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/L	U	0.92	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	3,3'-Dichlorobenzidine		ug/L	UJ	2.4	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	3-Nitroaniline		ug/L	U	5.0	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	4,6-Dinitro-2-methylphenol		ug/L	U	1.0	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Bromophenyl phenyl ether		ug/L	U	1.5	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Chloro-3-methylphenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Chloroaniline		ug/L	U	2.4	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Chlorophenyl phenyl ether		ug/L	U	1.7	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Nitroaniline		ug/L	U	1.7	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	4-Nitrophenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Acenaphthene		ug/L	U	1.6	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Acetophenone		ug/L	U	1.6	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Atrazine		ug/L	U	1.0	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Benzaldehyde		ug/L	U	1.5	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Benzyl butyl phthalate		ug/L	UJ	1.3	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Bis(2-chloroethoxy)methane		ug/L	U	1.4	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Bis(2-chloroisopropyl)ether		ug/L	U	1.4	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Bis(2-ethylhexyl)phthalate	7.0	ug/L	J	1.0	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Caprolactam		ug/L	U	9.1	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Carbazole		ug/L	U	3.9	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Dibenzofuran		ug/L	U	1.5	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Diethyl phthalate		ug/L	U	1.6	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Dimethylphthalate		ug/L	U	1.6	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Di-n-butylphthalate		ug/L	U	1.4	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Di-n-octylphthalate		ug/L	UJ	1.3	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	U	1.6	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Hexachloroethane		ug/L	U	1.0	1.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	Isophorone		ug/L	U	1.4	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Naphthalene		ug/L	U	1.5	5.0
MW2_20200310	CF48108	SW8270	3/10/2020	1	N-Nitrosodi-n-propylamine		ug/L	U	1.7	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	N-Nitrosodiphenylamine		ug/L	U	2.0	5.1
MW2_20200310	CF48108	SW8270	3/10/2020	1	Phenol		ug/L	U	0.92	1.0
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	1,4-dioxane	0.23	ug/L		0.20	0.20



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Acenaphthylene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Anthracene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Benz(a)anthracene	0.05	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Benzo(a)pyrene	0.04	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Benzo(b)fluoranthene	0.03	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Benzo(ghi)perylene		ug/L	UJ	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Benzo(k)fluoranthene	0.04	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Bis(2-chloroethyl)ether		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Chrysene	0.04	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Dibenz(a,h)anthracene		ug/L	UJ	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Fluoranthene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Fluorene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Hexachlorobenzene		ug/L	U	0.04	0.04
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Hexachlorobutadiene		ug/L	U	0.50	0.50
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Indeno(1,2,3-cd)pyrene	0.03	ug/L	J	0.02	0.02
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Nitrobenzene		ug/L	U	0.40	0.40
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	N-Nitrosodimethylamine		ug/L	U	0.20	0.20
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Pentachlorophenol		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Phenanthrene		ug/L	U	0.51	0.51
MW2_20200310	CF48108	SW8270C-SIM	3/10/2020	1	Pyrene		ug/L	U	0.51	0.51
MW3_20200310	CF48109	SW6010	3/10/2020	1	Aluminum	6.16	mg/L	J	0.0024	0.020
MW3_20200310	CF48109	SW6010	3/10/2020	1	Aluminum (Dissolved)	0.040	mg/L		0.0026	0.011
MW3_20200310	CF48109	SW6010	3/10/2020	1	Arsenic - LDL		mg/L	UJ	0.004	0.004
MW3_20200310	CF48109	SW6010	3/10/2020	1	Arsenic, (Dissolved)		mg/L	U	0.001	0.003
MW3_20200310	CF48109	SW6010	3/10/2020	1	Barium	0.346	mg/L		0.001	0.010
MW3_20200310	CF48109	SW6010	3/10/2020	1	Barium (Dissolved)	0.278	mg/L		0.001	0.011
MW3_20200310	CF48109	SW6010	3/10/2020	1	Beryllium		mg/L	U	0.001	0.001
MW3_20200310	CF48109	SW6010	3/10/2020	1	Beryllium (Dissolved)		mg/L	U	0.001	0.001
MW3_20200310	CF48109	SW6010	3/10/2020	1	Cadmium		mg/L	UJ	0.0005	0.004
MW3_20200310	CF48109	SW6010	3/10/2020	1	Cadmium (Dissolved)		mg/L	U	0.0005	0.004
MW3_20200310	CF48109	SW6010	3/10/2020	1	Calcium	125	mg/L		0.003	0.010
MW3_20200310	CF48109	SW6010	3/10/2020	1	Calcium (Dissolved)	121	mg/L		0.003	0.01
MW3_20200310	CF48109	SW6010	3/10/2020	1	Chromium	0.023	mg/L	J	0.001	0.001
MW3_20200310	CF48109	SW6010	3/10/2020	1	Chromium (Dissolved)		mg/L	U	0.001	0.001



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MW3_20200310	CF48109	SW6010	3/10/2020	1	Cobalt	0.009	mg/L	J	0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	1	Cobalt, (Dissolved)	0.004	mg/L	J	0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	1	Copper	0.024	mg/L		0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	1	Copper, (Dissolved)	0.001	mg/L	J	0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	1	Iron	10.7	mg/L	J	0.01	0.01
MW3_20200310	CF48109	SW6010	3/10/2020	1	Iron, (Dissolved)	0.02	mg/L	J	0.01	0.01
MW3_20200310	CF48109	SW6010	3/10/2020	1	Lead	0.015	mg/L		0.001	0.002
MW3_20200310	CF48109	SW6010	3/10/2020	1	Lead (Dissolved)		mg/L	U	0.001	0.002
MW3_20200310	CF48109	SW6010	3/10/2020	1	Magnesium	36.5	mg/L		0.01	0.010
MW3_20200310	CF48109	SW6010	3/10/2020	1	Magnesium (Dissolved)	31.9	mg/L		0.01	0.01
MW3_20200310	CF48109	SW6010	3/10/2020	10	Manganese	2.95	mg/L		0.010	0.050
MW3_20200310	CF48109	SW6010	3/10/2020	10	Manganese, (Dissolved)	2.71	mg/L		0.011	0.053
MW3_20200310	CF48109	SW6010	3/10/2020	1	Nickel	0.055	mg/L	J	0.001	0.004
MW3_20200310	CF48109	SW6010	3/10/2020	1	Nickel, (Dissolved)	0.024	mg/L		0.001	0.004
MW3_20200310	CF48109	SW6010	3/10/2020	1	Potassium	9.5	mg/L		0.1	0.1
MW3_20200310	CF48109	SW6010	3/10/2020	1	Potassium (Dissolved)	8.1	mg/L		0.1	0.1
MW3_20200310	CF48109	SW6010	3/10/2020	1	Silver	0.002	mg/L	J	0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	1	Silver (Dissolved)		mg/L	U	0.001	0.005
MW3_20200310	CF48109	SW6010	3/10/2020	10	Sodium	88.5	mg/L		1.0	1.0
MW3_20200310	CF48109	SW6010	3/10/2020	10	Sodium (Dissolved)	86.6	mg/L		1.1	1.1
MW3_20200310	CF48109	SW6010	3/10/2020	1	Vanadium	0.013	mg/L	J	0.001	0.010
MW3_20200310	CF48109	SW6010	3/10/2020	1	Vanadium, (Dissolved)		mg/L	U	0.001	0.011
MW3_20200310	CF48109	SW6010	3/10/2020	1	Zinc	0.039	mg/L	J	0.002	0.010
MW3_20200310	CF48109	SW6010	3/10/2020	1	Zinc, (Dissolved)	0.003	mg/L	J	0.002	0.011
MW3_20200310	CF48109	SW6020	3/10/2020	5	Antimony		mg/L	U	0.0030	0.0030
MW3_20200310	CF48109	SW6020	3/10/2020	1	Antimony (Dissolved)-LDL	0.0002	mg/L	J	0.0001	0.0003
MW3_20200310	CF48109	SW6020	3/10/2020	5	Selenium	0.002	mg/L	J	0.0005	0.010
MW3_20200310	CF48109	SW6020	3/10/2020	1	Selenium (Dissolved)-LDL	0.002	mg/L	J	0.0001	0.002
MW3_20200310	CF48109	SW6020	3/10/2020	5	Thallium		mg/L	U	0.0005	0.0005
MW3_20200310	CF48109	SW6020	3/10/2020	1	Thallium (Dissolved)		mg/L	U	0.0001	0.0003
MW3_20200310	CF48109	SW7470	3/10/2020	1	Mercury		mg/L	UJ	0.00015	0.0002
MW3_20200310	CF48109	SW7470	3/10/2020	1	Mercury (Dissolved)		mg/L	U	0.00015	0.0002
MW3_20200310	CF48109	SW8081	3/10/2020	1	4,4' -DDD		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	4,4' -DDE		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	4,4' -DDT		ug/L	U	0.005	0.005



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW3_20200310	CF48109	SW8081	3/10/2020	1	a-BHC		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	a-chlordane		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	Alachlor		ug/L	U	0.077	0.077
MW3_20200310	CF48109	SW8081	3/10/2020	1	Aldrin		ug/L	U	0.002	0.002
MW3_20200310	CF48109	SW8081	3/10/2020	1	b-BHC		ug/L	UJ	0.020	0.020
MW3_20200310	CF48109	SW8081	3/10/2020	1	Chlordane		ug/L	U	0.021	0.021
MW3_20200310	CF48109	SW8081	3/10/2020	1	d-BHC		ug/L	U	0.020	0.020
MW3_20200310	CF48109	SW8081	3/10/2020	1	Dieldrin		ug/L	U	0.004	0.004
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endosulfan I		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endosulfan II		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endosulfan Sulfate		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endrin		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endrin Aldehyde		ug/L	U	0.020	0.020
MW3_20200310	CF48109	SW8081	3/10/2020	1	Endrin ketone		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	g-BHC (Lindane)		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	g-chlordane		ug/L	U	0.010	0.010
MW3_20200310	CF48109	SW8081	3/10/2020	1	Heptachlor		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	Heptachlor epoxide		ug/L	U	0.005	0.005
MW3_20200310	CF48109	SW8081	3/10/2020	1	Methoxychlor		ug/L	U	0.10	0.10
MW3_20200310	CF48109	SW8081	3/10/2020	1	Toxaphene		ug/L	U	0.21	0.21
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1016		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1221		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1232		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1242		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1248		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1254		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1260		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1262		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8082	3/10/2020	1	PCB-1268		ug/L	U	0.052	0.052
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1,1-Trichloroethane		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1,2-Trichloroethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1-Dichloroethane		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,1-Dichloroethene		ug/L	U	0.25	1.0



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MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2,3-Trichlorobenzene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2,4-Trichlorobenzene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2-Dibromo-3-chloropropane		ug/L	U	0.50	0.50
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2-Dibromoethane		ug/L	U	0.25	0.25
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2-Dichlorobenzene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2-Dichloroethane		ug/L	U	0.25	0.60
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,2-Dichloropropane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,3-Dichlorobenzene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	1,4-Dichlorobenzene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	2-Hexanone		ug/L	U	2.5	2.5
MW3_20200310	CF48109	SW8260	3/10/2020	1	4-Methyl-2-pentanone		ug/L	U	2.5	2.5
MW3_20200310	CF48109	SW8260	3/10/2020	1	Acetone	2.6	ug/L	J	2.5	5.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Acrolein		ug/L	U	2.5	5.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Acrylonitrile		ug/L	U	0.25	5.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Benzene		ug/L	U	0.25	0.70
MW3_20200310	CF48109	SW8260	3/10/2020	1	Bromochloromethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Bromodichloromethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Bromoform		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Bromomethane		ug/L	UJ	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Carbon Disulfide		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Carbon tetrachloride		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Chlorobenzene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Chloroethane		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Chloroform	1.4	ug/L	J	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Chloromethane		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	cis-1,2-Dichloroethene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	cis-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW3_20200310	CF48109	SW8260	3/10/2020	1	Cyclohexane		ug/L	U	0.50	5.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Dibromochloromethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Dichlorodifluoromethane		ug/L	UJ	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Ethylbenzene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Isopropylbenzene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	m&p-Xylene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Methyl ethyl ketone		ug/L	U	2.5	5.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Methyl t-butyl ether (MTBE)		ug/L	U	0.25	1.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW3_20200310	CF48109	SW8260	3/10/2020	1	Methylacetate		ug/L	U	2.5	2.5
MW3_20200310	CF48109	SW8260	3/10/2020	1	Methylcyclohexane		ug/L	U	0.50	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Methylene chloride		ug/L	U	1.0	3.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	o-Xylene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Styrene		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Tert-butyl alcohol		ug/L	U	10	50
MW3_20200310	CF48109	SW8260	3/10/2020	1	Tetrachloroethene	2.2	ug/L		0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Toluene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	trans-1,2-Dichloroethene		ug/L	U	0.25	2.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	trans-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW3_20200310	CF48109	SW8260	3/10/2020	1	Trichloroethene	3.7	ug/L		0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Trichlorofluoromethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Trichlorotrifluoroethane		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8260	3/10/2020	1	Vinyl chloride		ug/L	U	0.25	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	1,1-Biphenyl		ug/L	U	3.7	3.7
MW3_20200310	CF48109	SW8270	3/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/L	U	3.7	3.7
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,3,4,6-tetrachlorophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4,5-Trichlorophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4,6-Trichlorophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4-Dichlorophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4-Dimethylphenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4-Dinitrophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,4-Dinitrotoluene		ug/L	U	2.1	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2,6-Dinitrotoluene		ug/L	U	1.7	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Chloronaphthalene		ug/L	U	1.5	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Chlorophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Methylnaphthalene		ug/L	U	1.6	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Methylphenol (o-cresol)		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Nitroaniline		ug/L	UJ	5.0	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	2-Nitrophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/L	U	0.95	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	3,3'-Dichlorobenzidine		ug/L	UJ	2.5	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	3-Nitroaniline		ug/L	UJ	5.0	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	4,6-Dinitro-2-methylphenol		ug/L	U	1.1	1.1
MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Bromophenyl phenyl ether		ug/L	U	1.5	5.3



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MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Chloro-3-methylphenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Chloroaniline		ug/L	U	2.4	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Chlorophenyl phenyl ether		ug/L	U	1.8	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Nitroaniline		ug/L	UJ	1.8	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	4-Nitrophenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	Acenaphthene		ug/L	U	1.6	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Acetophenone		ug/L	U	1.6	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Atrazine		ug/L	U	1.1	1.1
MW3_20200310	CF48109	SW8270	3/10/2020	1	Benzaldehyde		ug/L	U	1.6	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Benzyl butyl phthalate		ug/L	UJ	1.4	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Bis(2-chloroethoxy)methane		ug/L	U	1.4	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	Bis(2-chloroisopropyl)ether		ug/L	U	1.5	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Bis(2-ethylhexyl)phthalate		ug/L	UJ	1.1	1.1
MW3_20200310	CF48109	SW8270	3/10/2020	1	Caprolactam		ug/L	U	9.4	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Carbazole		ug/L	U	4.0	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Dibenzofuran		ug/L	U	1.5	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	Diethyl phthalate	2.7	ug/L	J	1.7	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Dimethylphthalate		ug/L	U	1.6	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Di-n-butylphthalate		ug/L	U	1.4	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Di-n-octylphthalate		ug/L	UJ	1.4	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	UJ	1.6	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	Hexachloroethane		ug/L	U	1.1	1.1
MW3_20200310	CF48109	SW8270	3/10/2020	1	Isophorone		ug/L	U	1.5	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Naphthalene		ug/L	U	1.5	5.0
MW3_20200310	CF48109	SW8270	3/10/2020	1	N-Nitrosodi-n-propylamine		ug/L	U	1.7	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	N-Nitrosodiphenylamine		ug/L	U	2.0	5.3
MW3_20200310	CF48109	SW8270	3/10/2020	1	Phenol		ug/L	U	0.95	1.0
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	1,4-dioxane	0.38	ug/L		0.20	0.20
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Acenaphthylene		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Anthracene		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Benz(a)anthracene	0.14	ug/L	J	0.02	0.02
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Benzo(a)pyrene	0.10	ug/L	J	0.02	0.02
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Benzo(b)fluoranthene	0.10	ug/L	J	0.02	0.02
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Benzo(ghi)perylene		ug/L	UJ	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Benzo(k)fluoranthene	0.10	ug/L	J	0.02	0.02



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MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Bis(2-chloroethyl)ether		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Chrysene	0.13	ug/L	J	0.02	0.02
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Dibenz(a,h)anthracene		ug/L	UJ	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Fluoranthene		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Fluorene		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Hexachlorobenzene		ug/L	U	0.04	0.04
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Hexachlorobutadiene		ug/L	U	0.50	0.50
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	UJ	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Indeno(1,2,3-cd)pyrene	0.06	ug/L	J	0.02	0.02
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Nitrobenzene		ug/L	UJ	0.40	0.40
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	N-Nitrosodimethylamine		ug/L	U	0.21	0.21
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Pentachlorophenol		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Phenanthrene		ug/L	U	0.53	0.53
MW3_20200310	CF48109	SW8270C-SIM	3/10/2020	1	Pyrene		ug/L	U	0.53	0.53
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Aluminum	18.2	mg/L	J	0.0024	0.020
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Aluminum (Dissolved)	0.045	mg/L		0.0026	0.011
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Arsenic - LDL	0.006	mg/L	J	0.004	0.004
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Arsenic, (Dissolved)		mg/L	U	0.001	0.003
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Barium	0.562	mg/L		0.001	0.010
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Barium (Dissolved)	0.379	mg/L		0.001	0.011
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Beryllium		mg/L	U	0.001	0.001
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Beryllium (Dissolved)		mg/L	U	0.001	0.001
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Cadmium	0.001	mg/L	J	0.0005	0.004
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Cadmium (Dissolved)		mg/L	U	0.0005	0.004
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Calcium	139	mg/L		0.003	0.010
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Calcium (Dissolved)	127	mg/L		0.003	0.01
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Chromium	0.079	mg/L	J	0.001	0.001
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Chromium (Dissolved)		mg/L	U	0.001	0.001
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Cobalt	0.015	mg/L	J	0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Cobalt, (Dissolved)	0.004	mg/L	J	0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Copper	0.049	mg/L		0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Copper, (Dissolved)		mg/L	UJ	0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Iron	33.0	mg/L	J	0.01	0.01
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Iron, (Dissolved)	0.23	mg/L	J	0.01	0.01
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Lead	0.022	mg/L		0.001	0.002



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Lead (Dissolved)		mg/L	U	0.001	0.002
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Magnesium	46.8	mg/L		0.01	0.010
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Magnesium (Dissolved)	33.4	mg/L		0.01	0.01
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	10	Manganese	3.24	mg/L		0.010	0.050
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	10	Manganese, (Dissolved)	2.51	mg/L		0.011	0.053
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Nickel	0.108	mg/L	J	0.001	0.004
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Nickel, (Dissolved)	0.023	mg/L		0.001	0.004
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Potassium	13.8	mg/L		0.1	0.1
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Potassium (Dissolved)	8.6	mg/L		0.1	0.1
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Silver		mg/L	UJ	0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Silver (Dissolved)		mg/L	U	0.001	0.005
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	10	Sodium	123	mg/L		1.0	1.0
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	10	Sodium (Dissolved)	120	mg/L		1.1	1.1
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Vanadium	0.036	mg/L	J	0.001	0.010
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Vanadium, (Dissolved)		mg/L	U	0.001	0.011
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Zinc	0.085	mg/L	J	0.002	0.010
MW DUPLICATE_20200310	CF48110	SW6010	3/10/2020	1	Zinc, (Dissolved)	0.002	mg/L	J	0.002	0.011
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	5	Antimony		mg/L	U	0.0030	0.0030
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	1	Antimony (Dissolved)-LDL	0.0002	mg/L	J	0.0001	0.0003
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	5	Selenium	0.001	mg/L	J	0.0005	0.010
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	1	Selenium (Dissolved)-LDL		mg/L	UJ	0.0001	0.002
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	5	Thallium		mg/L	U	0.0005	0.0005
MW DUPLICATE_20200310	CF48110	SW6020	3/10/2020	1	Thallium (Dissolved)		mg/L	U	0.0001	0.0003
MW DUPLICATE_20200310	CF48110	SW7470	3/10/2020	1	Mercury		mg/L	UJ	0.00015	0.0002
MW DUPLICATE_20200310	CF48110	SW7470	3/10/2020	1	Mercury (Dissolved)		mg/L	U	0.00015	0.0002
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	4,4' -DDD		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	4,4' -DDE		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	4,4' -DDT		ug/L	U	0.008	0.008
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	a-BHC		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	a-chlordane		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Alachlor		ug/L	U	0.082	0.082
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Aldrin		ug/L	U	0.010	0.010
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	b-BHC		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Chlordane		ug/L	U	0.022	0.022
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	d-BHC		ug/L	U	0.006	0.006



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MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Dieldrin		ug/L	U	0.002	0.002
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endosulfan I		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endosulfan II		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endosulfan Sulfate		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endrin		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endrin Aldehyde		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Endrin ketone		ug/L	U	0.011	0.011
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	g-BHC (Lindane)		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	g-chlordane		ug/L	U	0.020	0.020
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Heptachlor		ug/L	U	0.006	0.006
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Heptachlor epoxide		ug/L	U	0.010	0.010
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Methoxychlor		ug/L	U	0.11	0.11
MW DUPLICATE_20200310	CF48110	SW8081	3/10/2020	1	Toxaphene		ug/L	U	0.22	0.22
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1016		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1221		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1232		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1242		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1248		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1254		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1260		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1262		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8082	3/10/2020	1	PCB-1268		ug/L	U	0.055	0.055
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1,1-Trichloroethane		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1,2-Trichloroethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1-Dichloroethane		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,1-Dichloroethene		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2,3-Trichlorobenzene		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2,4-Trichlorobenzene		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2-Dibromo-3-chloropropane		ug/L	U	0.50	0.50
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2-Dibromoethane		ug/L	U	0.25	0.25
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2-Dichlorobenzene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2-Dichloroethane		ug/L	U	0.25	0.60
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,2-Dichloropropane		ug/L	U	0.25	1.0



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
GROUNDWATER
SDG: GCF48107**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,3-Dichlorobenzene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	1,4-Dichlorobenzene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	2-Hexanone		ug/L	U	2.5	2.5
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	4-Methyl-2-pentanone		ug/L	U	2.5	2.5
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Acetone	2.8	ug/L	J	2.5	5.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Acrolein		ug/L	U	2.5	5.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Acrylonitrile		ug/L	U	0.25	5.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Benzene		ug/L	U	0.25	0.70
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Bromochloromethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Bromodichloromethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Bromoform		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Bromomethane		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Carbon Disulfide		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Carbon tetrachloride		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Chlorobenzene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Chloroethane		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Chloroform	0.92	ug/L	J	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Chloromethane		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	cis-1,2-Dichloroethene		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	cis-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Cyclohexane		ug/L	U	0.50	5.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Dibromochloromethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Dichlorodifluoromethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Ethylbenzene	0.58	ug/L	J	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Isopropylbenzene	9.6	ug/L		0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	m&p-Xylene	2.3	ug/L		0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Methyl ethyl ketone		ug/L	U	2.5	5.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Methyl t-butyl ether (MTBE)		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Methylacetate		ug/L	U	2.5	2.5
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Methylcyclohexane		ug/L	U	0.50	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Methylene chloride		ug/L	U	1.0	3.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	o-Xylene	0.44	ug/L	J	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Styrene		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Tert-butyl alcohol		ug/L	U	10	50
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Tetrachloroethene	0.79	ug/L	J	0.25	1.0



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Toluene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	trans-1,2-Dichloroethene		ug/L	U	0.25	2.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	trans-1,3-Dichloropropene		ug/L	U	0.25	0.40
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Trichloroethene	2.2	ug/L		0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Trichlorofluoromethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Trichlorotrifluoroethane		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8260	3/10/2020	1	Vinyl chloride		ug/L	U	0.25	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	1,1-Biphenyl		ug/L	U	4.0	4.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	1,2,4,5-Tetrachlorobenzene		ug/L	U	4.0	4.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,3,4,6-tetrachlorophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4,5-Trichlorophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4,6-Trichlorophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4-Dichlorophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4-Dimethylphenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4-Dinitrophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,4-Dinitrotoluene		ug/L	U	2.2	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2,6-Dinitrotoluene		ug/L	U	1.8	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Chloronaphthalene		ug/L	U	1.6	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Chlorophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Methylnaphthalene		ug/L	U	1.7	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Methylphenol (o-cresol)		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Nitroaniline		ug/L	U	5.0	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	2-Nitrophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	3&4-Methylphenol (m&p-cresol)		ug/L	U	1.0	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	3,3'-Dichlorobenzidine		ug/L	UJ	2.7	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	3-Nitroaniline		ug/L	U	5.0	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4,6-Dinitro-2-methylphenol		ug/L	U	1.1	1.1
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Bromophenyl phenyl ether		ug/L	U	1.7	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Chloro-3-methylphenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Chloroaniline		ug/L	U	2.7	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Chlorophenyl phenyl ether		ug/L	U	1.9	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Nitroaniline		ug/L	U	1.9	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	4-Nitrophenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Acenaphthene		ug/L	U	1.7	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Acetophenone		ug/L	U	1.8	5.7



**1015 ATLANTIC AVE
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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Atrazine		ug/L	U	1.1	1.1
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Benzaldehyde		ug/L	U	1.7	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Benzyl butyl phthalate		ug/L	UJ	1.5	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Bis(2-chloroethoxy)methane		ug/L	U	1.6	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Bis(2-chloroisopropyl)ether		ug/L	U	1.6	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Bis(2-ethylhexyl)phthalate	13	ug/L	J	1.1	1.1
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Caprolactam		ug/L	U	10	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Carbazole		ug/L	U	4.3	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Dibenzofuran		ug/L	U	1.7	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Diethyl phthalate		ug/L	UJ	1.8	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Dimethylphthalate		ug/L	U	1.8	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Di-n-butylphthalate		ug/L	U	1.5	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Di-n-octylphthalate		ug/L	UJ	1.5	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	U	1.7	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Hexachloroethane		ug/L	U	1.1	1.1
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Isophorone		ug/L	U	1.6	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Naphthalene		ug/L	U	1.6	5.0
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	N-Nitrosodi-n-propylamine		ug/L	U	1.8	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	N-Nitrosodiphenylamine		ug/L	U	2.2	5.7
MW DUPLICATE_20200310	CF48110	SW8270	3/10/2020	1	Phenol		ug/L	U	1.0	1.0
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	1,4-dioxane	0.52	ug/L		0.20	0.20
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Acenaphthylene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Anthracene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Benz(a)anthracene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Benzo(a)pyrene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Benzo(b)fluoranthene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Benzo(ghi)perylene		ug/L	UJ	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Benzo(k)fluoranthene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Bis(2-chloroethyl)ether		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Chrysene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Dibenz(a,h)anthracene		ug/L	UJ	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Fluoranthene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Fluorene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Hexachlorobenzene		ug/L	U	0.04	0.04
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Hexachlorobutadiene		ug/L	U	0.50	0.50



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Hexachlorocyclopentadiene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Indeno(1,2,3-cd)pyrene		ug/L	UJ	0.02	0.02
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Nitrobenzene		ug/L	U	0.40	0.40
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	N-Nitrosodimethylamine		ug/L	U	0.23	0.23
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Pentachlorophenol		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Phenanthrene		ug/L	U	0.57	0.57
MW DUPLICATE_20200310	CF48110	SW8270C-SIM	3/10/2020	1	Pyrene		ug/L	U	0.57	0.57

DATA USABILITY SUMMARY REPORT (DUSR)
PERFLUORINATED ALKYL SUBSTANCES (PFAS)
USEPA Region II –Data Validation

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: L2010918
Laboratory: Alpha Analytical	Date: 04/10/20
KGS Reviewer: Sherri Pullar	Project: 3020

Client Sample ID	Lab Sample ID	Collection Date	Analysis	Matrix
MW1	L2010918-01	03/10/2020	PFAS	GW
MW2	L2010918-02	03/10/2020	PFAS	GW
MW3	L2010918-03	03/10/2020	PFAS	GW
MW DUPLICATE	L2010918-04	03/10/2020	PFAS	GW
Equipment Blank	L2010918-05	03/10/2020	PFAS	GW

Summary - Data validation was performed on the data for four (4) groundwater samples and one (1) rinsate blank that were collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for PFAS by A2-NY-537-Isotope.

Narrative and Completeness Review – The data package was checked for completeness. The case narrative noted that the collection times were corrected for all samples upon the client's request. No other discrepancies were noted.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All soil samples were extracted within 14 days from sample collection and analyzed within 28 days following sample extraction.

Qualification: None required.

Initial Calibration and Continuing Calibration Verification (CCV) – Initial calibration and continuing calibration verifications met the method acceptance criteria.

Qualification: None required.

Surrogates – M7-PFUNDA and M2PFTEDA in sample MW1, M2-6:2FTS and M2-8:2FTS in sample MW2, MW3, and MW Duplicate were outside the QC acceptance limits. The remaining surrogate %REC values were within the QC acceptance limits. Results for 8:2FTS were non-detect in samples MW2, MW3, and MW Duplicate.

Qualification: Non-detect results for PFUNA and PFTA were qualified as estimated (UJ) in sample MW1. Results for 6:2FTS were qualified as estimated bias high (J+) in sample M2 and estimated (J) in samples M3 and MW Duplicate.

Internal Standard (IS) Area Performance – Samples exhibited acceptable area count for the four internal standards.

Qualification: None required.

Method Blank (MB) and Equipment Blank (EB) – Method Blank (WG1351233-1 BL) associated with the samples extracted on 03/15/2020 and analyzed on 03/16/2020. The method blank prepared and analyzed with these samples contained PFHxA (0.412 ng/L). Result for PFHxA in the associated sample was > the blank contamination.

Qualification: None required.

– Method Blank (WG1351365-1 BL) associated with the samples extracted on 03/16/2020 and analyzed on 03/17/2020. The method blank prepared and analyzed with these samples contained PFHxA (0.336 ng/L). Result for PFHxA in the associated sample was > the blank contamination.

Qualification: None required.

– Equipment Blank (L2010918-05) associated with the soil samples collected on 03/10/2020 and analyzed on 03/17/2020. The Rinsate Blank contained PFHxA (0.678 ng/L). Results for PFHxA were >blank concentration in the associated field samples.

Qualification: None required.

Laboratory Control Sample (LCS)/ Laboratory Control Sample Duplicate (LCSD) – Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1351233-2/3 were analyzed on 03/16/2020. All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

– Laboratory Control Sample and Laboratory Control Sample Duplicate associated with Batch ID: WG1351365-2/3 were analyzed on 03/17/2020. All %RECs and RPDs were within the laboratory control limits.

Qualification: None required.

Matrix Spike (MS)/Matrix Spike Duplicate (MSD) – Matrix Spike (MS) was performed on sample MW3 (L2010918-03). %RECs were within the laboratory control limits.

Qualification: None required.

Laboratory Duplicate (LD) – Laboratory Duplicate (LD) were performed on sample MW2 (L2010918-02). All RPDs were within the laboratory control limits.

Qualification: None required.

Field Duplicate – MW Duplicate (Lab Sample ID: L2010918-04) was the field duplicate sample of MW3 (Lab Sample ID: L2010918-03). The FD sample results for detected PFAS in the FD sample pair are summarized in the table below.

Lab Sample ID	L2010918-03		L2010918-04		
Client Sample ID	MW3		MW Duplicate		
Collection Date	03/10/2020		03/10/2020		
Analyte	Result (µg/Kg)	Flag	Result (µg/Kg)	Flag	%RPD
6:2FTS	6.26	J+	2.76	J+	77.6
PFBA	7.79		8.22		5.4
PFBS	5.33		4.79		10.7
PFHPA	9.52		9.71		2.0
PFHXA	13.4		13.1		2.3
PFHXS	5.3		6.75		24.1
PFOA	38.6		45.2		15.8
PFOS	1.15	J	1.22	J	5.9
PFPEA	18.3		18.4		0.5
PFOS, TOTAL	39.8	J	46.4	J	15.3

Qualification: The results 6:2FTS in the field duplicate sample pair were qualified as estimated (J).

Compound Quantitation, Compound Identification and Reported Detection Limits – All sample results were reported within the linear calibration range.

Qualification: None required.

Data Review Summary – The PFAS results reported in this SDG are acceptable as reported and may be used for their intended purpose.

- PFAS data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.
- Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: L2010918 at the end of the data validation report.



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
GROUNDWATER
SDG: L2010918**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW1	L2010918-01	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	1.84	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ng/l	U	2.02	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	1.22	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	0.982	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PFOA/PFOS, TOTAL	3.8	ng/l		0.358	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)	2.38	ng/l	J	0.361	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	4.6	ng/l		0.618	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	1.48	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.461	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.564	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	1.04	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	2.53	ng/l	J	0.341	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)	0.618	ng/l	J	0.57	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	7.34	ng/l		0.497	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.473	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.879	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ng/l	U	0.764	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	3.8	ng/l		0.358	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	10.4	ng/l		0.6	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	UJ	0.376	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.496	3.03
MW1	L2010918-01	E537(M)	3/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	UJ	0.394	3.03
MW2	L2010918-02	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	1.29	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	2.45	ng/l	J+	1.42	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	0.855	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	0.689	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PFOA/PFOS, TOTAL	47.2	ng/l	J	0.251	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)	4.91	ng/l		0.253	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	9.02	ng/l		0.434	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	1.04	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.323	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.396	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	0.732	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	9.42	ng/l		0.24	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)	6.53	ng/l		0.4	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	14.4	ng/l		0.349	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.332	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.617	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	1.62	ng/l	J	0.536	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	45.6	ng/l		0.251	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	19.2	ng/l		0.421	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	0.264	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.348	2.13
MW2	L2010918-02	E537(M)	3/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	0.276	2.13
MW3	L2010918-03	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	1.28	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	6.26	ng/l	J	1.41	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	0.852	2.12



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
GROUNDWATER
SDG: L2010918**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
MW3	L2010918-03	E537(M)	3/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	0.686	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	7.79	ng/l		0.432	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)	5.33	ng/l		0.252	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	9.52	ng/l		0.238	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	1.04	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.322	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.394	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	0.729	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	13.4	ng/l		0.347	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)	5.3	ng/l		0.398	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	38.6	ng/l		0.25	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.33	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.614	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	1.15	ng/l	J	0.534	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PFOA/PFOS, TOTAL	39.8	ng/l	J	0.25	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	18.3	ng/l		0.419	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	0.263	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.347	2.12
MW3	L2010918-03	E537(M)	3/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	0.275	2.12
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	1.45	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)	2.76	ng/l	J+	1.59	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	0.962	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	0.775	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)	8.22	ng/l		0.488	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)	4.79	ng/l		0.285	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)	9.71	ng/l		0.269	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	1.17	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.364	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.445	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	0.823	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	13.1	ng/l		0.392	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)	6.75	ng/l		0.45	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)	45.2	ng/l		0.282	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.373	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.694	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)	1.22	ng/l	J	0.603	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PFOA/PFOS, TOTAL	46.4	ng/l	J	0.282	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)	18.4	ng/l		0.474	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	0.297	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.391	2.39
MW DUPLICATE	L2010918-04	E537(M)	3/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	0.311	2.39
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUORODECANESULFONIC ACID (8:2FTS)		ng/l	U	2.03	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	1H,1H,2H,2H-PERFLUOROOCTANESULFONIC ACID (6:2FTS)		ng/l	U	2.23	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	N-ETHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NETFOSAA)		ng/l	U	1.35	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	N-METHYL PERFLUOROOCTANESULFONAMIDOACETIC ACID (NMEFOSAA)		ng/l	U	1.09	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PFOA/PFOS, TOTAL		ng/l	U	0.396	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROBUTANESULFONIC ACID (PFBS)		ng/l	U	0.399	3.36



1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
GROUNDWATER
SDG: L2010918

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROBUTANOIC ACID (PFBA)		ng/l	U	0.684	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUORODECANESULFONIC ACID (PFDS)		ng/l	U	1.64	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUORODECANOIC ACID (PFDA)		ng/l	U	0.51	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUORODODECANOIC ACID (PFDOA)		ng/l	U	0.624	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROHEPTANESULFONIC ACID (PFHPS)		ng/l	U	1.15	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROHEPTANOIC ACID (PFHPA)		ng/l	U	0.378	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROHEXANESULFONIC ACID (PFHXS)		ng/l	U	0.631	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROHEXANOIC ACID (PFHXA)	0.678	ng/l	J	0.55	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUORONONANOIC ACID (PFNA)		ng/l	U	0.523	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONAMIDE (FOSA)		ng/l	U	0.973	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROOCTANESULFONIC ACID (PFOS)		ng/l	U	0.846	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROOCTANOIC ACID (PFOA)		ng/l	U	0.396	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROPENTANOIC ACID (PFPEA)		ng/l	U	0.664	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROTETRADECANOIC ACID (PFTA)		ng/l	U	0.416	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROTRIDECANOIC ACID (PFTRDA)		ng/l	U	0.549	3.36
EQUIPMENT BLANK	L2010918-05	E537(M)	3/10/2020	1	PERFLUOROUNDECANOIC ACID (PFUNA)		ng/l	U	0.436	3.36

DATA USABILITY SUMMARY REPORT (DUSR)
Volatile Organic Compounds
Method TO-15
USEPA Level 4 Review

Site: 1015 Atlantic Ave, Brooklyn, NY	SDG #: GCF48100
Laboratory: Phoenix Environmental Laboratories, Inc.	Date: 04/06/19
KGS Reviewer: Sherri Pullar	Project: 3020

Lab Sample ID	Client Sample ID	Collection Date	Analysis	Matrix
CF48100	SG4	03/10/20	VOA	Air
CF48101	SG5	03/10/20	VOA	Air
CF48102	SG7	03/10/20	VOA	Air
CF48103	SG2	03/10/20	VOA	Air
CF48104	SG1	03/10/20	VOA	Air
CF48105	SG3	03/10/20	VOA	Air
CF48106	SG6	03/10/20	VOA	Air

Summary - Data validation was performed on the data for seven (7) air samples collected from 1015 Atlantic Ave, Brooklyn, NY on 03/10/2020 and submitted for Volatile Organic (VOC) analyses by Method TO-15. Samples were analyzed and reported for VOCs. All sample results in this SDG were subjected to Level 4 data validation, which includes evaluation of preparatory batch, instrument-related QC results and calculations. The USEPA Region-II SOP # HW-31, Revision 6, June 2014, Validating Air Samples Volatile Organic Analysis of Ambient Air in Canister by Method TO-15 was used in evaluating the Volatiles data in this summary report.

Narrative and Completeness Review – The case narrative and data package were checked for completeness.

Qualification: None required.

Sample Delivery and Condition – All samples arrived at the laboratory on 03/11/2020 in acceptable condition and temperature and were properly preserved. Proper custody was documented.

Qualification: None required.

Holding Times – All air samples were analyzed within the method holding time for summa canisters (30 days).

Qualification: None required.

GC/MS Tuning - All BFB tunes in the initial and continuing calibrations met the percent relative abundance criteria.

Qualification: None required.

Initial Calibration - Initial calibration curve analyzed on 03/04/2020 (Chem20) exhibited acceptable %RSDs ($\leq 30.0\%$) for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in Table 4 in SOP # HW-31, were ≥ 0.01 .

Qualification: None required.

- Initial calibration curve analyzed on 02/25/2020 (Chem24) exhibited acceptable %RSDs ($\leq 30.0\%$)

for all compounds and average RRF values (≥ 0.050) for all compounds with the exception of some compounds listed in Table 4 in SOP # HW-31, were ≥ 0.01 .

Qualification: None required.

Continuing Calibration Verification (CCV): - The %D for the CCVs analyzed and reported with these samples on 03/11-12/2020 were within acceptance limits with the exception of benzyl chloride (29.0%), 1,2,4-trichlorobenzene (36.4%), and 1,2,4-trichlorobenzene (sim) (30.0%). Results for the previously mentioned compounds were not reported from this batch in samples SG5, SG6 and SG11.

Qualification: Non-detect results for benzyl chloride and 1,2,4-trichlorobenzene in samples SG4, SG5, SG7, and SG2 were qualified as estimated (UJ).

- The %D for the CCVs analyzed and reported with these samples on 03/12/2020 were within acceptance limits with the exception of chloromethane (34.7%), benzyl chloride (34.0%), 1,2,4-trichlorobenzene (51.0%) and 1,2,4-trichlorobenzene (45.0%).

Qualification: Non-detect results for 1,2,4-trichlorobenzene, chloromethane, and benzyl chloride in samples SG3 and SG6 were qualified as estimated (UJ).

- The %D for the CCVs analyzed and reported with these samples on 03/13/2020 were within acceptance limits with the exception of ethanol (41.4%). Ethanol was not reported from this run.

Qualification: None required.

Surrogates –4-Bromofluorobenzene (BFB) surrogate spike recovered within the laboratory control limits.

Qualification: None required.

Internal Standard (IS) Area Performance: - Samples exhibited acceptable area counts for internal standards with the exception of chlorobenzene-d5 in sample SG1.

Qualification: Results for ethylbenzene, m,p-xylene, o-xylene, isopropylbenzene, and 4-ethyltoluene were qualified as estimated bias high (J+) in sample SG1.

LCS –Chloromethane (131%) in LCS CF48105 were above the LCS control limits. The remaining LCS percent recoveries (%R) for the reported analytes were within control limits. Results for chloromethane in associated samples were non-detect.

Qualification: None required.

– LCS percent recoveries (%R) in LCS C F49365 for the reported analytes were within control limits.

Qualification: None required.

– LCS percent recoveries (%R) in LCS C F48059 for the reported analytes were within control limits.

Qualification: None required.

Method Blank – The method blanks prepared and analyzed with these samples was free of contamination.

Qualification: None required.

Canister Blank – The canister blanks prepared and analyzed with these samples were free of contamination.

Qualification: None required.

Field Blanks – No field blanks were included in this SDG.

Qualification: None required.

Field Duplicate — No field duplicates were included in this SDG.

Qualification: None required.

Compound Quantitation –Samples SG1 (acetone), SG2 (acetone), SG4 (acetone), and SG7 (multiple compounds) were at 5x dilution; sample SG1 was at 15x (cyclohexane and heptane) and 30x (acetone), dilution reporting limits were adjusted accordingly. Analyte non-detections were reported as “U”; these results should be considered the equivalent of “RL (reporting limit) U.”

Qualification: None required.

- All sample results were reported within the linear calibration range.

Qualification: None required.

Manual Calculation

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{\text{Result (ppbv)} \times \text{Molecular weight} \times \text{DF}}{24.46}$$

SG4 (CF48100)

Toluene

Result (ppbv) = 4.15

Molecular Weight @ 25°C=92.14

DF = 1

$$\text{Concentration } (\mu\text{g}/\text{m}^3) = \frac{4.15 \times 92.14 \times 1}{24.46} = 15.6\mu\text{g}/\text{m}^3$$

Compound	Laboratory ($\mu\text{g}/\text{m}^3$)	Validation ($\mu\text{g}/\text{m}^3$)	%D
Toluene	15.6	15.6	0.0

Data Review Summary – Volatile air data package meet requirement for New York State Department of Environmental Conservation (NYSDEC) Analytical Services Protocol (ASP) Category B Deliverables.

– The VOC air results reported in this SDG are acceptable as reported and may be used for their intended purpose.

– Validation qualifiers (if required) were entered into the EDD and a summary of the data are listed in the Data Summary Table for SDG: GCF48100 at the end of the data validation report.



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
AIR
SDG: GCF48100**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG4_20200310	CF48100	TO15	3/10/2020	5	Acetone	245	ug/m3		5.01	5.01
SG4_20200310	CF48100	TO15	3/10/2020	1	Ethylbenzene	3.41	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Styrene	1.78	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Benzyl chloride		ug/m3	UJ	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,3,5-Trimethylbenzene	1.27	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Toluene	15.6	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Tetrahydrofuran	8.11	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Hexane	1.48	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Cyclohexane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Propylene	10.5	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2,4-Trichlorobenzene		ug/m3	UJ	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Tetrachloroethene	31.7	ug/m3		0.25	0.25
SG4_20200310	CF48100	TO15	3/10/2020	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Ethyl acetate	4.97	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Heptane	2.20	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SG4_20200310	CF48100	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	m,p-Xylene	11.8	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,3-Dichlorobenzene	1.27	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Carbon Tetrachloride	0.66	ug/m3		0.20	0.20



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
AIR
SDG: GCF48100**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG4_20200310	CF48100	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	4-Ethyltoluene	1.12	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Ethanol	35.0	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Isopropylalcohol	6.49	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Chloroform	41.2	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Benzene	1.89	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Chloromethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG4_20200310	CF48100	TO15	3/10/2020	1	Methylene Chloride	3.89	ug/m3		3.00	3.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG4_20200310	CF48100	TO15	3/10/2020	1	Trichlorofluoromethane	1.20	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Dichlorodifluoromethane	2.21	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Methyl Ethyl Ketone	19.0	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Trichloroethene		ug/m3	U	0.20	0.20
SG4_20200310	CF48100	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	o-Xylene	4.90	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	4.23	ug/m3		1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG4_20200310	CF48100	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
AIR
SDG: GCF48100**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG5_20200310	CF48101	TO15	3/10/2020	1	Ethylbenzene	2.14	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Styrene	1.17	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Benzyl chloride		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	n-Butylbenzene	1.29	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,3,5-Trimethylbenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Toluene	5.95	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Tetrahydrofuran	1.99	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Hexane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Cyclohexane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Propylene	1.74	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2,4-Trichlorobenzene	1.05	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Tetrachloroethene	49.1	ug/m3		0.25	0.25
SG5_20200310	CF48101	TO15	3/10/2020	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Ethyl acetate		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Heptane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SG5_20200310	CF48101	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	m,p-Xylene	8.16	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Carbon Tetrachloride	0.90	ug/m3		0.20	0.20
SG5_20200310	CF48101	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
AIR
SDG: GCF48100**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG5_20200310	CF48101	TO15	3/10/2020	1	4-Ethyltoluene	1.06	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Ethanol	11.5	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Isopropylalcohol	1.19	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Acetone	76.7	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Chloroform	15.0	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Benzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Chloromethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG5_20200310	CF48101	TO15	3/10/2020	1	Methylene Chloride		ug/m3	U	3.00	3.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG5_20200310	CF48101	TO15	3/10/2020	1	Trichlorofluoromethane	1.22	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Dichlorodifluoromethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Methyl Ethyl Ketone	6.87	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Trichloroethene		ug/m3	U	0.20	0.20
SG5_20200310	CF48101	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	o-Xylene	5.38	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	2.02	ug/m3		1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG5_20200310	CF48101	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00



**1015 ATLANTIC AVE
BROOKLYN, NY
DATA SUMMARY TABLE
AIR
SDG: GCF48100**

Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG7_20200310	CF48102	TO15	3/10/2020	5	Acetone	335	ug/m3		5.01	5.01
SG7_20200310	CF48102	TO15	3/10/2020	1	Ethylbenzene	2.72	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Styrene	1.49	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Benzyl chloride		ug/m3	UJ	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)	2.22	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,3,5-Trimethylbenzene	1.15	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Toluene	13.9	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Tetrahydrofuran	8.78	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Hexane	1.51	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Cyclohexane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Propylene	8.84	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2,4-Trichlorobenzene		ug/m3	UJ	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Tetrachloroethene	30.0	ug/m3		0.25	0.25
SG7_20200310	CF48102	TO15	3/10/2020	1	sec-Butylbenzene	4.30	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Ethyl acetate	4.93	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Heptane	1.85	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SG7_20200310	CF48102	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	m,p-Xylene	10.3	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,3-Dichlorobenzene	1.54	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG7_20200310	CF48102	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Ethanol	41.6	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Isopropylalcohol	14.7	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Chloroform	1.42	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Benzene	1.78	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Chloromethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG7_20200310	CF48102	TO15	3/10/2020	1	Methylene Chloride	3.78	ug/m3		3.00	3.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG7_20200310	CF48102	TO15	3/10/2020	1	Trichlorofluoromethane	1.02	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Dichlorodifluoromethane	2.08	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Methyl Ethyl Ketone	24.6	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Trichloroethene	0.30	ug/m3		0.20	0.20
SG7_20200310	CF48102	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	o-Xylene	4.23	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	3.85	ug/m3		1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG7_20200310	CF48102	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG2_20200310	CF48103	TO15	3/10/2020	5	Acetone	194	ug/m3		5.01	5.01
SG2_20200310	CF48103	TO15	3/10/2020	1	Ethylbenzene	3.18	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Styrene	1.77	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Benzyl chloride		ug/m3	UJ	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,3,5-Trimethylbenzene	1.12	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Toluene	19.7	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Tetrahydrofuran	9.43	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Hexane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Cyclohexane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Propylene	8.03	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2,4-Trichlorobenzene		ug/m3	UJ	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Tetrachloroethene	39.8	ug/m3		0.25	0.25
SG2_20200310	CF48103	TO15	3/10/2020	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Ethyl acetate	9.26	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Heptane	3.41	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Cis-1,2-Dichloroethene	0.76	ug/m3		0.20	0.20
SG2_20200310	CF48103	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	m,p-Xylene	11.6	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,3-Dichlorobenzene	1.24	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Carbon Tetrachloride	0.45	ug/m3		0.20	0.20



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG2_20200310	CF48103	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Ethanol	74.8	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Isopropylalcohol	13.1	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Chloroform	6.15	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Benzene	2.69	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Chloromethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG2_20200310	CF48103	TO15	3/10/2020	1	Methylene Chloride	4.93	ug/m3		3.00	3.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG2_20200310	CF48103	TO15	3/10/2020	1	Trichlorofluoromethane	1.21	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Dichlorodifluoromethane	2.33	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Methyl Ethyl Ketone	63.4	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Trichloroethene	5.03	ug/m3		0.20	0.20
SG2_20200310	CF48103	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	o-Xylene	4.64	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	3.95	ug/m3		1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG2_20200310	CF48103	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG1_20200310	CF48104	TO15	3/10/2020	5	Ethylbenzene	122	ug/m3	J+	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	Styrene		ug/m3	U	4.98	4.98
SG1_20200310	CF48104	TO15	3/10/2020	5	Benzyl chloride		ug/m3	UJ	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	cis-1,3-Dichloropropene		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	trans-1,3-Dichloropropene		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	n-Butylbenzene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,4-Dichlorobenzene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2-Dibromoethane(EDB)		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,3-Butadiene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2-Dichloroethane		ug/m3	U	5.02	5.02
SG1_20200310	CF48104	TO15	3/10/2020	5	Acrylonitrile		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	4-Methyl-2-pentanone(MIBK)		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	1,3,5-Trimethylbenzene		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Toluene		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Chlorobenzene		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Tetrahydrofuran		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Hexane	638	ug/m3		5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Propylene	55.0	ug/m3		5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2,4-Trichlorobenzene		ug/m3	UJ	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,4-Dioxane		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Dibromochloromethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Tetrachloroethene	15.4	ug/m3		1.25	1.25
SG1_20200310	CF48104	TO15	3/10/2020	5	sec-Butylbenzene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Ethyl acetate		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Cis-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Trans-1,2-Dichloroethene		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	Methyl tert-butyl ether(MTBE)		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	m,p-Xylene	64.7	ug/m3	J+	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	1,3-Dichlorobenzene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Carbon Tetrachloride		ug/m3	U	1.00	1.00
SG1_20200310	CF48104	TO15	3/10/2020	5	2-Hexanone(MBK)		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	4-Ethyltoluene	5.16	ug/m3	J+	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1,1,2-Tetrachloroethane		ug/m3	U	5.00	5.00



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG1_20200310	CF48104	TO15	3/10/2020	5	Ethanol	128	ug/m3		5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Isopropylalcohol	106	ug/m3		5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Chloroform		ug/m3	U	4.98	4.98
SG1_20200310	CF48104	TO15	3/10/2020	5	Benzene	121	ug/m3		5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1,1-Trichloroethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Bromomethane		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Chloromethane		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	Chloroethane		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Vinyl Chloride		ug/m3	U	1.00	1.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Methylene Chloride		ug/m3	U	15.0	15.0
SG1_20200310	CF48104	TO15	3/10/2020	5	Carbon Disulfide		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Bromoform		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Bromodichloromethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1-Dichloroethane		ug/m3	U	5.02	5.02
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1-Dichloroethene		ug/m3	U	1.00	1.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Trichlorofluoromethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Dichlorodifluoromethane		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	Trichlorotrifluoroethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2-Dichlorotetrafluoroethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2-dichloropropane		ug/m3	U	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	Methyl Ethyl Ketone	109	ug/m3		5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1,2-Trichloroethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Trichloroethene		ug/m3	U	1.00	1.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,1,2,2-Tetrachloroethane		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	Hexachlorobutadiene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	o-Xylene	12.1	ug/m3	J+	4.99	4.99
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2-Dichlorobenzene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	5	1,2,4-Trimethylbenzene		ug/m3	U	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	Isopropylbenzene	6.98	ug/m3	J+	5.01	5.01
SG1_20200310	CF48104	TO15	3/10/2020	5	4-Isopropyltoluene		ug/m3	U	5.00	5.00
SG1_20200310	CF48104	TO15	3/10/2020	15	Cyclohexane		ug/m3	U	15.0	15.0
SG1_20200310	CF48104	TO15	3/10/2020	15	Heptane	1160	ug/m3		15.0	15.0
SG1_20200310	CF48104	TO15	3/10/2020	30	Acetone	1540	ug/m3		29.9	29.9



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG3_20200310	CF48105	TO15	3/10/2020	1	Ethylbenzene	3.19	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Styrene	1.58	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Benzyl chloride		ug/m3	UJ	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,3,5-Trimethylbenzene	1.11	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Toluene	12.4	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Tetrahydrofuran	6.10	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Hexane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Cyclohexane	1.09	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Propylene	1.48	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2,4-Trichlorobenzene		ug/m3	UJ	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Tetrachloroethene	50.8	ug/m3		0.25	0.25
SG3_20200310	CF48105	TO15	3/10/2020	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Ethyl acetate	2.56	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Heptane	1.24	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SG3_20200310	CF48105	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	m,p-Xylene	11.1	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,3-Dichlorobenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Carbon Tetrachloride		ug/m3	U	0.20	0.20
SG3_20200310	CF48105	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00



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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG3_20200310	CF48105	TO15	3/10/2020	1	4-Ethyltoluene	1.07	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Ethanol	26.4	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Isopropylalcohol	2.24	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Acetone	28.3	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Chloroform		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Benzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Chloromethane		ug/m3	UJ	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG3_20200310	CF48105	TO15	3/10/2020	1	Methylene Chloride	3.18	ug/m3		3.00	3.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Carbon Disulfide		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Bromodichloromethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG3_20200310	CF48105	TO15	3/10/2020	1	Trichlorofluoromethane	1.11	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Dichlorodifluoromethane	2.23	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Methyl Ethyl Ketone	7.66	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Trichloroethene		ug/m3	U	0.20	0.20
SG3_20200310	CF48105	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	o-Xylene	5.16	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	4.00	ug/m3		1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG3_20200310	CF48105	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG6_20200310	CF48106	TO15	3/10/2020	1	Ethylbenzene	2.43	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Styrene	1.29	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Benzyl chloride		ug/m3	UJ	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	cis-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	trans-1,3-Dichloropropene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	n-Butylbenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,4-Dichlorobenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2-Dibromoethane(EDB)		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,3-Butadiene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2-Dichloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Acrylonitrile		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	4-Methyl-2-pentanone(MIBK)	1.57	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,3,5-Trimethylbenzene	1.08	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Toluene	11.6	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Chlorobenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Tetrahydrofuran	5.19	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Hexane	1.12	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Cyclohexane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Propylene	1.59	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2,4-Trichlorobenzene		ug/m3	UJ	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,4-Dioxane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Dibromochloromethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Tetrachloroethene	26.6	ug/m3		0.25	0.25
SG6_20200310	CF48106	TO15	3/10/2020	1	sec-Butylbenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Ethyl acetate	9.11	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Heptane	1.07	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Cis-1,2-Dichloroethene		ug/m3	U	0.20	0.20
SG6_20200310	CF48106	TO15	3/10/2020	1	Trans-1,2-Dichloroethene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Methyl tert-butyl ether(MTBE)		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	m,p-Xylene	9.6	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,3-Dichlorobenzene	1.27	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Carbon Tetrachloride	0.31	ug/m3		0.20	0.20
SG6_20200310	CF48106	TO15	3/10/2020	1	2-Hexanone(MBK)		ug/m3	U	1.00	1.00



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DATA SUMMARY TABLE
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Sample Name	Lab ID	Analytical Method	Collection Date	Dilution Factor	Analyte	Result	Unit	Qualifier	MDL	RL
SG6_20200310	CF48106	TO15	3/10/2020	1	4-Ethyltoluene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1,1,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Ethanol	34.5	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Isopropylalcohol	2.92	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Acetone	62.9	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Chloroform	29.6	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Benzene	1.32	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1,1-Trichloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Bromomethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Chloromethane		ug/m3	UJ	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Chloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Vinyl Chloride		ug/m3	U	0.20	0.20
SG6_20200310	CF48106	TO15	3/10/2020	1	Methylene Chloride	4.13	ug/m3		3.00	3.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Carbon Disulfide	1.30	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Bromoform		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Bromodichloromethane	1.01	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1-Dichloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1-Dichloroethene		ug/m3	U	0.20	0.20
SG6_20200310	CF48106	TO15	3/10/2020	1	Trichlorofluoromethane	1.22	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Dichlorodifluoromethane	2.16	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Trichlorotrifluoroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2-Dichlorotetrafluoroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2-dichloropropane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Methyl Ethyl Ketone	7.49	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1,2-Trichloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Trichloroethene		ug/m3	U	0.20	0.20
SG6_20200310	CF48106	TO15	3/10/2020	1	1,1,2,2-Tetrachloroethane		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Hexachlorobutadiene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	o-Xylene	3.88	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2-Dichlorobenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	1,2,4-Trimethylbenzene	4.09	ug/m3		1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	Isopropylbenzene		ug/m3	U	1.00	1.00
SG6_20200310	CF48106	TO15	3/10/2020	1	4-Isopropyltoluene		ug/m3	U	1.00	1.00