Environmental, Planning, and Engineering Consultants
440 Park Avenue South, 7th Floor
New York, NY 10016
tel: 212 696-0670
fax: 212 213-3191
www.akrf.com

April 8, 2020

Mr. Hugo N. Corvalan
Vice President
SWDM Myrtle LLC
292 Madison Ave, 24th Floor
New York, NY 10017

Re: 1100 Myrtle Avenue, Brooklyn, New York
Phase II Subsurface Investigation Results

Dear Mr. Corvalan:

AKRF, Inc. (AKRF) conducted a Phase II Subsurface Investigation (SI) on behalf of SWDM Myrtle LLC (Client) at the property, located at 1100 Myrtle Avenue in Brooklyn, New York (the "Site"). The approximately 47,079-square foot Site is also identified on the New York City (NYC) Tax Map as Brooklyn Borough Tax Block 1586, Lots 12, 14, 24, 27, 51, 52, 53, and 56 (a lot merger is currently pending to merge these lots as one lot). The Site is bounded by Myrtle Avenue followed by commercial buildings to the north; a Metropolitan Transit Authority support building followed by one-story commercial buildings and above ground tracks for the J-, M-, and Z-Lines of the subway to the east; Vernon Avenue followed by residential buildings to the south; and a hotel and commercial buildings to the west. The larger surrounding area is occupied by predominantly residential and commercial uses. The Site location is shown on Figure 1.

The Site contains an "E" designation for hazardous materials and is listed in the NYC Department of Planning "E" designation database as E-285. A Work Plan for this SI was prepared by AKRF in January 2020 and submitted to the NYC Office of Environmental Remediation (OER) for review, and the Work Plan was approved by OER in an email dated January 16, 2020. The SI was conducted in accordance with the OER-approved Work Plan and included the following scope of work:

1. A geophysical survey to identify the presence of any underground storage tanks (USTs) or any buried aboveground storage tanks (ASTs) across the accessible portions of the Site;
2. Advancement of 12 soil borings across the Site and collection of 24 soil samples for laboratory analysis to evaluate soil quality;
3. Installation of six permanent groundwater monitoring wells and collection of six groundwater samples for laboratory analysis to evaluate groundwater quality (only four wells were installed and sampled as part of the SI); and
4. Installation of nine temporary soil vapor probes across the Site and collection nine soil vapor samples for chemical analysis.

The locations of the soil borings, permanent groundwater monitoring wells, and temporary soil vapor points are shown on Figure 2. A photographic log is provided in Attachment A.

Site History

Based on Sanborn fire insurance maps, the Site was historically utilized for a variety of commercial and light industrial uses dating back to approximately 1921, including a furniture manufacturer from at least 1947 to 1968 (1098-1100 Myrtle Avenue), auto repair facility in 1934 and from at least 1977 to approximately 1980 (1102 Myrtle Avenue), and furniture manufacturer from at least 1947 to approximately 1980 (1116-1120 Myrtle Avenue). Review of the online New York City Department of Buildings (DOB) records indicated that oil burner permits were issued at 367, 369, 371, 373, and 356 Vernon Avenue. These parcels were previously occupied by residential buildings that appeared to have been demolished in the 1970s and 1980s. The Sanborn fire insurance maps indicated that one 1,000-gallon gasoline underground storage tank (UST) was utilized at the Site between approximately 1947 and 1968. The UST was situated in the northeast portion of the former parking garage building located at 1102-1114 Myrtle Avenue, which would have been in close proximity to the cellar located within the current building at the Site.

Soil Boring Advancement and Soil Sampling

A geophysical survey was conducted across the accessible portions of the Site prior to advancing the borings. No signs of an anomaly consistent with the presence of a UST or a buried AST were identified. Twelve soil borings were advanced at the Site between January 20 and 24, 2020 by AARCO Environmental Services Corp. of Lindenhurst, New York (ARRCO) using a combination of a rotosonic drill rig, a mobile direct push probe (DPP) drill rig, a track-mounted DDP drill rig, and an electric jackhammer to depths ranging between approximately 1.5 and 85 feet below grade [approximately elevation +73.5 to -13 feet North American Vertical Datum of 1988 (NAVD88)] at the locations shown on Figure 2. Samples were collected continuously from grade to boring termination depths. Soil cores that were collected with the rotosonic rig used 5-foot long, 4.5-inch diameter, stainless steel casing samplers emptied into a polyethylene bags. Soil cores that were collected with the mobile DPP rig used 3-foot long, 2-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. Soil cores that were collected with the track-mounted DPP rig used 5-foot long, 4-inch diameter, stainless steel macrocore piston rod samplers fitted with an internal acetate liner. Due to access limitations at one location (SB-03), an electric jackhammer equipped with a 3-foot long, 1-inch stainless steel macrocore rod sampler with internal acetate liner was used. Soil cores were field-screened for volatile organic compounds (VOCs) using a photoionization detector (PID) and logged using the modified Burmister soil classification system. The PID was calibrated at the beginning of each field day with isobutylene gas in accordance with the manufacturer's specifications. At each boring location, AKRF field personnel recorded and documented subsurface conditions. All sampling equipment was either dedicated or decontaminated between sampling locations.

One to two soil samples were submitted for chemical analysis from each soil boring. One sample was collected from the 2-foot interval directly below grade from each of the borings; and from a 2-foot interval between 16 to 22 feet below grade (approximately elevation +55 to +57 feet NAVD88) the approximate depth of excavation for the proposed new building's basement, in soil borings SB-01, SB-04, and SB-07 through SB-12. The second sample for soil borings SB-03 and SB-06 was collected from the interval directly above refusal, which was at 2 to 4 feet below grade (approximately elevation +62 to +64 feet NAVD88), and 2.5 to 3.5 feet below grade (approximately elevation +71.5 to 72.5 feet NAVD88), respectively. A second sample was not collected from SB-02 and SB-05 due to shallow refusal [1.5 and 2.5 feet below grade, respectively (approximately elevation +73.5 and 72.5 feet NAVD88). Evidence of potential contamination including elevated PID readings (maximum reading of 722 ppm) and petroleum-like odors were observed in SB-03, while a PID reading of 6.3 ppm and a slight petroleum-like odor were observed in SB-07. No evidence of contamination (i.e., PID readings, staining, or odors) was observed in any of the other borings.

Soil cuttings were used to backfill the borehole from which they originated and subsequently patched at-grade to match pre-drilling conditions, with the exception of the locations that were retrofitted as permanent monitoring wells as described in the following section. Soil cuttings with PID readings in boring SB-03

were sampled for laboratory analysis and not used for backfilling the borehole. Bentonite chips were used to backfill any remaining space within the boreholes. Disposable sampling equipment, including spoons, gloves, bags, paper towels, etc. that came in contact with environmental media were double bagged and disposed of as municipal trash in a facility trash dumpster as non-hazardous refuse.

Soil samples slated for laboratory analysis were labeled, placed in ice-filled coolers, and shipped to the laboratory via courier with appropriate chain-of-custody documentation. Soil samples selected for laboratory analysis were submitted to TestAmerica Laboratories (TestAmerica) of Edison, New Jersey, a New York State Department of Health (NYSDOH)-certified laboratory, to be analyzed for VOCs by United States Environmental Protection Agency (EPA) Method 8260, semivolatile organic compounds (SVOCs) by EPA Method 8270, pesticides by EPA Method 8081, polychlorinated biphenyls (PCBs) by EPA Method 8082, and Target Analyte List (TAL) metals by EPA Method 6000/7000 series. One sample (SB-12_18-20_20200124) was analyzed for perfluorooctanesulfonic acid, per- and polyfluoroalkyl substances (PFAS compounds), and 1,4-dioxane analyses by EPA Methods 537 and 8270D, respectively. One aqueous trip blank was included with the sample shipments each day and submitted for VOC analysis for quality assurance/quality control (QA/QC) purposes. Soil boring logs are provided in Attachment B.

Groundwater Monitoring Well Installation and Development

Four of the soil borings (SB-01, SB-04, SB-08, and SB-12) were retrofitted with permanent 1-inch diameter polyvinyl chloride (PVC) groundwater monitoring wells (MW-01 through MW-04) by AARCO at the locations shown on Figure 2. The monitoring wells were constructed with 15 to 25 feet of 0.020-inch slotted PVC well screen straddling the observed water table. The annular space was backfilled with No. 2 sand to 2 feet above the well screen, followed by 2 feet of bentonite, then grout to 6 inches below the ground surface. The monitoring wells were finished with a concrete pad, a locking j-plug, and locking 4-inch diameter manhole. Following installation, each well was developed via pumping with a Waterra® pump and dedicated polyethylene tubing to remove any accumulated fines and establish a hydraulic connection with the surrounding aquifer.

The OER-approved Work Plan proposed a total of six monitoring wells; however, the depth to groundwater was observed approximately 35 feet deeper than anticipated (60+ feet below grade), and four monitoring wells were ultimately installed. OER approved this deviation via email correspondence on January 23, 2020 during the investigation field activities.

Prior to collecting the groundwater samples, the depth to groundwater and the total well depth were measured at each of the groundwater monitoring wells using an oil/water interface probe attached to a measuring tape accurate to 0.01 foot. After development, groundwater samples were collected with a bladder pump and dedicated high-density polyethylene tubing for chemical analysis. Samples were collected after each well was purged of a minimum of three well volumes. No free phase product was detected in any of the groundwater monitoring wells during installation, purging, or sampling. Purge water was monitored with a Horiba® U-52 water quality monitor during development, and prior to sample collection. For development, 10 gallons of water was purged from each well. Turbidity readings within the well were taken before commencing and every five minutes during development. Development concluded when turbidity at each well was less than 50 nephelometric turbidity units for three successive readings..

Groundwater samples slated for laboratory analysis were placed in laboratory-supplied containers in ice-filled coolers, and submitted to the laboratory via courier with appropriate chain-of-custody documentation. Groundwater samples were submitted to TestAmerica for analysis of VOCs by EPA Method 8260, SVOCs by EPA Method 8270, for both filtered (dissolved) and unfiltered (total) TAL metals (6000/7000 series), pesticides by EPA Method 8081, and PCBs by EPA Method 8082. One sample (MW-02_20200124) was analyzed for PFAS compounds and 1,4-dioxane analyses by EPA Methods 537 and 8270 selected ion monitoring, respectively. Monitoring well construction logs, monitoring well development, and groundwater sampling logs are included in Attachments B, C, and D respectively.

Temporary Soil Vapor Point Installation

Nine temporary sub-slab/soil vapor points were installed by AARCO on January 20 through 24, 2020 and nine soil vapor samples were collected for chemical analysis by AKRF on these dates. Soil vapor points SV-01, SV-04, SV-07, and SV-09 were installed between approximately 18 and 20 feet below grade (approximately elevation +57 feet NAVD88); SV-02 and SV-05 were installed directly below the existing building's slab (approximately elevation +74 feet) due to shallow refusal; SV-03 was installed approximately 3 feet below the existing partial cellar slab due to shallow refusal (approximately elevation +63 feet NAV88); and SV-06 and SV-08 were installed to approximately 15 feet below grade, approximately 2 feet above observed perched water (approximately elevation +61 feet NAVD88).

SV-03 was installed using an electric jackhammer. The remainder were installed using a DPP to advance a 2-inch diameter hollow probe rod fitted with an expendable 6-inch long stainless steel screened drive point. Dedicated Teflon®-lined polyethylene tubing with threaded fittings was connected to each soil vapor point. The electric jackhammer/probe rod was then removed, and the void space was backfilled with clean silica sand to approximately 2 feet below grade. Hydrated bentonite was used to fill the remaining void to the surface.

Prior to sample collection, each sampling point was purged of at least three sampler volumes using a Gillian® GilAir Plus air sampling pump set at a flow rate of approximately 0.2 liters/minute. During purging, an inverted bucket was placed over each sampling point, and helium gas was introduced through a small hole in the bucket to saturate the atmosphere around the sample port. Purged vapors were collected in a Tedlar® bag and field-screened for organic vapors using a PID. The purged air was also monitored using a portable helium detector to check for short-circuiting of ambient air into the vapor sampling point. All soil vapor points were found to pass the required seal integrity tests. PID readings were recorded at each soil vapor sampling location and ranged from 0.3 to 702 ppm.

After purging, each probe was connected via Teflon®-lined polyethylene tubing to a laboratory-supplied, batch-certified 6-liter SUMMA® canister equipped with a flow regulator set to collect a sample over 2 hours. Immediately after opening the flow control valve, the initial canister vacuum (in inches of mercury) was noted. When the canisters reached the approximate minimum vacuum necessary for laboratory analyses (between 5 and 10 inches of mercury), the flow controller valve was closed, the final vacuum noted, and the canister placed in a shipping carton for delivery to the laboratory for analysis. The total sample collection times for the soil vapor samples ranged between approximately 1.5 and 2 hours. Each canister was labeled to identify the sample ID, date, time, and vacuum readings. The identification numbers for both the canister and flow controller were noted on the chain-of-custody documentation and the samples were transported by courier directly to TestAmerica.

All samples were analyzed for VOCs by EPA Method TO-15 by TestAmerica. Sample containers were labeled and shipped to the laboratory via courier with appropriate chain of custody documentation. Soil vapor sampling logs are provided in Attachment E.

Geology and Hydrogeology

Soil beneath the Site consisted of fill material (including sand, silt, wood, brick, metal fragments, concrete, cinders and/or glass) to approximately 10 feet bgs (approximately elevation +65 feet NAVD88), underlain by presumed native sand, silt and gravel, to at least the termination of each boring [up to 85 feet bgs (approximately elevation -13 feet NAVD88)]. Bedrock was not encountered during this investigation.

Petroleum-like odors and elevated PID readings up to 722 ppm were detected from the soil beneath the partial cellar in soil boring SB-03 between approximately 3 to 4 feet below grade (approximately elevation +62 to +63 feet NAVD88) just above refusal at that location. A slight petroleum-like odor and a PID reading of 6.3 ppm was detected in soil boring SB-07 at approximately 8 feet below grade (approximately elevation +67 feet NAVD88).

Groundwater was measured in the monitoring wells at depths between approximately 63 and 67 feet below surface grade (approximately elevation +9 feet NAVD88), as included in Table 1 and detailed in the monitoring well logs in Attachment C. Based on these measurements, groundwater elevations are depicted on Figure 3, which indicates an inferred northwestern groundwater flow direction towards the northwest.

Analytical Results

Soil

Soil sample analytical results were compared to the 6 New York Code of Rules and Regulations (NYCRR) Unrestricted Use Soil Cleanup Objectives (UUSCOs) and Restricted Residential Soil Cleanup Objectives (RRSCOs), the applicable Soil Cleanup Objectives (SCOs) for the proposed future use of the Site. Results are summarized in Tables 2 through 6 and on Figure 4.

Five VOCs, including acetone and compounds typically associated with petroleum (benzene, ethylbenzene, toluene, and xylenes or BTEX), were detected at concentrations exceeding UUSCOs in two samples. Acetone was detected in SB-04_0-2_20200122 at 0.27 milligrams per kilogram (mg/kg), above its UUSCO of 0.05 mg/kg. In SB-03_2-4_20200124 benzene was detected at 0.27 mg/kg (UUSCO of 0.06 mg/kg), ethylbenzene at 9.6 mg/kg (UUSCO of 1 mg/kg), toluene at 12 mg/kg (UUSCO of 0.7 mg/kg), and total xylenes at 84 (UUSCO of 0.26 mg/kg). No VOCs were detected above RRSCOs.

Seven SVOCs [benzo(a)anthracene (maximum 39 mg/kg), benzo(a)pyrene (maximum 36 mg/kg), benzo(b)fluoranthene (maximum 47 mg/kg), benzo(k)fluoranthene (maximum 19 mg/kg), chrysene (maximum 37 mg/kg), dibenz(a,h)anthracene (maximum 4.9 mg/kg), and indeno(1,2,3-c,d)pyrene (maximum 19 mg/kg)] were detected at concentrations exceeding UUSCOs and RRSCOs in four samples.

Seven metals [barium (maximum 629 mg/kg), cadmium (maximum 5.4 mg/kg), copper (maximum 273 mg/kg), lead (maximum 711 mg/kg), mercury (maximum 2.1 mg/kg), nickel (maximum 50.6 mg/kg), and zinc (maximum 1,110 mg/kg)] were detected at concentrations exceeding UUSCOs in six samples. All of these were also above their RRSCO, with the exception of zinc.

PCBs were detected in two samples (SB-04_0-2_20200124 and SB-11_0-2_20200124), with total PCB concentrations of 0.4 and 0.14 mg/kg, respectively, above the UUSCO of 0.1 mg/kg, but below the RRSCO of 1 mg/kg. Three pesticides [4,4'-DDD (maximum 0.02 mg/kg), 4,4'-DDE (maximum 0.018 mg/kg), and 4,4'-DDT (maximum 0.033 mg/kg)] were detected at concentrations exceeding UUSCOs in eight samples. All pesticide concentrations were below RRSCOs.

Nine of the 21 PFAS compounds were detected at estimated concentrations in the sample ranging from 0.00011 mg/kg to 0.00034 mg/kg. 1,4-Dioxane was not detected in SB-12_18-20_20200124.

Groundwater

Groundwater sample analytical results were compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGs) 1.1.1 Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Tetrachloroethylene (PCE) was detected in each of the four samples ranging from 22 to 44 micrograms per liter (µg/L). All of these samples exceeded the AWQSGV of 5 µg/L. Chloroform was detected in each of the four samples ranging from 2.2 to 14 µg/L. Three of these samples exceeded the AWQSGV of 7 µg/L. Chloroform was detected in four of the six trip blanks.

SVOCs, PCBs, and pesticides were not detected above the AWQSGVs.

Metals, three in total (unfiltered) metals analyses and two in dissolved (filtered) metals analyses, were detected above AWQSGVs in the groundwater samples, as summarized in the table below.

Groundwater Exceedances of Metals

Compound	Sample Identification	NYSDEC AWQSGV (µg/L)	Total Sample Concentration (µg/L)	Dissolved Sample Concentration (µg/L)
Iron	MW-02_20200124	300	681	No Exceedance
	MW-03_20200128		422	No Exceedance
Manganese	MW-01_20200127	300	538	536
	MW-02_20200124		793	866
	MW-03_20200128		537	488
	MW-04_20200127		407	426
Sodium	MW-01_20200127	20,000	63,700	66,200
	MW-02_20200124		57,000	63,000
	MW-03_20200128		84,700	85,400
	MW-04_20200127		116,000	118,000

Although New York State does not have standards or guidance values for PFAS compounds, the PFAS compounds totaled a concentration of 67.14 nanograms per liter (ng/L), which is below the EPA Drinking Water Health Advisory Level (DWHAL) of 70 ng/L.

Groundwater sample analytical results are presented in Tables 7 through 11. Groundwater sample concentrations exceeding AWQSGVs are shown on Figure 5.

Soil Vapor

There are currently no published guidelines for soil vapor; therefore, soil vapor data is presented without comparative standards. Trichloroethylene (TCE) and PCE were detected in eight and four soil vapor samples respectively beneath the Site with the highest concentrations of PCE and TCE in soil vapor sample SV-09_20200124, at 94 micrograms per cubic meter (µg/m^3) and 5.6 µg/m^3, respectively, which was collected from the southern portion of the Site. BTEX and other petroleum compounds were detected at elevated concentrations in soil vapor sample SV-03_20200124, which is the location where petroleum-related contamination was observed in soil (SB-03). Results are summarized in Table 12 and on Figure 6.

Quality Assurance/Quality Control Sampling

No compounds were detected within the trip blanks, with the exception of chloroform, which was detected in four of the six trip blanks. Chloroform is a disinfection by-product commonly found in tap water and is typically associated with laboratory cross-contamination. Analytical results for the QA/QC samples are presented in Table 13. Laboratory analytical data reports are provided in Attachment F.

Spill Reporting

Based upon field evidence of contamination observed at SB-03, including elevated PID readings (maximum reading of 722 ppm) and petroleum-like odors, and a review of the laboratory data described in this report for the soil sample collected at SB-03 (SB-03_2-4_20200124), a spill was reported to the NYSDEC Spill Hotline on March 30, 2020. Spill Case No. 1911848 was assigned to the Site.

Conclusions & Recommendations

AKRF concludes that these soil, groundwater, and soil vapor contaminants appear to be associated with historic fill, former commercial site-uses at the Site, and potential off-site sources, as detailed below:

- Petroleum related VOCs were detected in soil (SB-03_2-4_20200124) and soil vapor (SV-03_20200124) along the northern portion of the Site from the soil beneath the partial cellar. Based upon field evidence of contamination and corroboratory laboratory data, a spill was reported to NYSDEC and Spill Case No. 1911848 was assigned to the Site. The source of petroleum contamination is not clear and could be related to a historic UST identified on historic Sanborn maps.
- SVOCs, metals, PCBs, and pesticides were detected in soil, which appear to be attributable to historic fill.

- The chlorinated VOC PCE was detected in all monitoring wells at the Site exceeding the NYSDEC AWQSGV. PCE and TCE was detected in soil vapor with the highest concentrations in SV-09 from the southern portion of the Site. The concentration distribution of the chlorinated VOCs in groundwater and soil vapor suggests that the source of contamination is from an off-site source(s).

Based upon the findings and conclusions described above, AKRF recommends the following:

- The Site should be applied to the NYSDEC Brownfield Cleanup Program (BCP) to address the contamination identified as part of this subsurface investigation. The required work under the BCP would include preparation and implementation of a Remedial Investigation Work Plan and Remedial Action Work Plan.
- SPENCERAN, INC (the property owner) should communicate and conduct any investigation and remedial work for the open spill (Spill Case No. 1911848) as required by the NYSDEC Spills group while the BCP application is pending.
- SWDM Myrtle LLC and SPENCERAN, INC. (the property owner) should coordinate with and update OER regarding the project status as part of the (E) designation requirements.

Please call me at (914) 922-2356 if you have any questions or comments.

Sincerely,
AKRF, Inc.

Marc Godick, QEP
Senior Vice President

cc: Kenneth Wiles – AKRF
Patrick Taylor, Larry Davis, and Harley Braun – SWDM Myrtle LLC
Edward Suh – SPENCERAN, INC.

Enc.

Tables

Table 1 – Groundwater Elevations
Table 2 – Soil Analytical Results of VOCs
Table 3 – Soil Analytical Results of SVOCs
Table 4 – Soil Analytical Results of Metals
Table 5 – Soil Analytical results of PCBs and Pesticides
Table 6 – Soil Analytical Results of PFAS
Table 7 – Groundwater Analytical Results of VOCs
Table 8 – Groundwater Analytical Results of SVOCs
Table 9 – Groundwater Analytical Results of Total and Dissolved Metals
Table 10 – Groundwater Analytical Results of PCBs and Pesticides
Table 11 – Groundwater Analytical Results of PFAS
Table 12 – Soil Vapor Analytical Results of VOCs
Table 13 – QA/QC Sample Analytical Results

Figures

Figure 1 – Site Location
Figure 2 – Site Plan and Sample Locations
Figure 3 – Groundwater Elevations
Figure 4 – Soil Samples Above NYSDEC UUSCOs and/or RRSCOs
Figure 5 – Groundwater Sample Concentrations above NYSDEC AWQSGVs
Figure 6 – Soil Vapor Sample Concentrations

Attachments

Attachment A – Photographic Log
Attachment B – Soil Boring and Monitoring Well Construction Logs
Attachment C – Monitoring Well Development Logs
Attachment D – Groundwater Sampling Logs
Attachment E – Soil Vapor Sampling Logs
Attachment F – Laboratory Analytical Data Reports

TABLES

Table 1
1100 Myrtle Avenue
Booklyn, NY
Remedial Investigation Report
Groundwater Elevations

Monitoring Well ID	Diameter (inches)	Total Measured Depth to Bottom (feet BGS)	Screened Interval (feet BGS)	Ground Surface Elevation (feet, NAVD88)	Top of Casing Elevation (feet, NAVD88)	Measured Depth to Groundwater (feet BGS)	Groundwater Elevation (feet, NAVD88)
MW-01	1	75	55-75	73.08	72.87	64.15	8.72
MW-02	1	85	60-85	72.59	72.36	63.35	9.01
MW-03	1	75	60-75	76.13	75.89	66.75	9.14
MW-04	1	75	60-75	74.95	74.57	65.45	9.12

Notes: Acronyms - BGS (Below Ground Surface), NAVD88 (North American Vertical Datum of 1988).

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-01_0.5-2.5_20200123	SB-01_16-18_20200123	SB-02_0.5-1.5_20200121	SB-03_0-2_20200124
		Laboratory Sample ID	460-201482-2	460-201482-3	460-201296-5	460-201587-1
		Date Sampled	1/23/2020 9:05:00 AM	1/23/2020 10:00:00 AM	1/21/2020 3:40:00 AM	1/24/2020 11:40:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 UT
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.0011 U	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.0011 U	0.0012 U	0.0012 U
2-Hexanone	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U
Acetone	**0.05**	100	0.0073 U	0.0068 U	0.0074 U	0.0072 U
Benzene	**0.06**	4.8	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Bromochloromethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Bromodichloromethane	NS	NS	0.0012 U	0.0011 UT	0.0012 UT	0.0012 U
Bromoform	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Bromomethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Carbon Disulfide	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chloroethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chloroform	0.37	49	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Chloromethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Cyclohexane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Dibromochloromethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Ethylbenzene	**1**	41	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
M,P-Xylenes	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.00039 J
Methyl Acetate	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0061 U	0.0057 U	0.0062 U	0.006 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0061 U	0.0057 U	0.0062 U	0.006 U
Methylcyclohexane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 UT
Methylene Chloride	0.05	100	0.0012 U	0.0011 U	0.0024	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Styrene	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Toluene	**0.7**	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.0012 U	0.0011 U	0.0012 U	0.0012 U
Xylene (Total)	**0.26**	100	0.0012 U	0.0011 U	0.0012 U	0.00039 J

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-03_2-4_20200124	SB-04_0-2_20200122	SB-04_15-17_20200122	SB-05_0.5-2.5_20200121
		Laboratory Sample ID	460-201587-2	460-201362-3	460-201362-4	460-201296-4
		Date Sampled	1/24/2020 12:00:00 PM	1/22/2020 11:45:00 AM	1/22/2020 1:00:00 PM	1/21/2020 2:20:00 AM
		Dilution Factor	100	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.19 U	0.0014 U	0.001 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,1,2-Trichloroethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.19 U	0.0014 U	0.001 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2,4-Trichlorobenzene	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.19 U	0.0014 U	0.001 U	0.0013 U
1,2-Dichloropropane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	0.19 U	0.0014 U	0.001 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	0.19 U	0.0014 U	0.001 U	0.0013 U
2-Hexanone	NS	NS	0.95 U	0.0068 U	0.0052 U	0.0063 U
Acetone	**0.05**	100	0.95 U	**0.27**	0.017	0.043
Benzene	**0.06**	4.8	**0.27**	0.001 J	0.001 U	0.0013 U
Bromochloromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Bromodichloromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 UT
Bromoform	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Bromomethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Carbon Disulfide	NS	NS	0.19 U	0.00039 J	0.00039 J	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.19 U	0.0014 U	0.001 U	0.0013 U
Chlorobenzene	1.1	100	0.19 U	0.0014 U	0.001 U	0.0013 U
Chloroethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Chloroform	0.37	49	0.19 U	0.0014 U	0.001 U	0.0013 U
Chloromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.19 U	0.0014 U	0.001 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Cyclohexane	NS	NS	4.8	0.0014 U	0.001 U	0.0013 U
Dibromochloromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Dichlorodifluoromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Ethylbenzene	**1**	41	**9.6**	0.0021	0.001 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	2.9	0.00075 J	0.001 U	0.0013 U
M,P-Xylenes	NS	NS	63	0.0012 J	0.001 U	0.00037 J
Methyl Acetate	NS	NS	0.95 U	0.0068 U	0.0052 U	0.48
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.95 U	0.057	0.0042 J	0.013
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.95 U	0.0053 J	0.0052 U	0.0063 U
Methylcyclohexane	NS	NS	20	0.0015	0.001 U	0.0013 U
Methylene Chloride	0.05	100	0.19 U	0.0014 U	0.001 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	21	0.00096 J	0.001 U	0.0013 U
Styrene	NS	NS	0.19 U	0.0088	0.001 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.19 U	0.0014 U	0.001 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	0.19 U	0.0014 U	0.001 U	0.0013 U
Toluene	**0.7**	100	**12**	0.0022	0.00029 J	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.19 U	0.0014 U	0.001 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.19 U	0.0013 J	0.001 U	0.0013 U
Trichlorofluoromethane	NS	NS	0.19 U	0.0014 U	0.001 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.19 U	0.0014 U	0.001 U	0.0013 U
Xylene (Total)	**0.26**	100	**84**	0.00216	0.001 U	0.00037 J

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-06_0.5-2.5_20200121	SB-06_2.5-3.5_20200121	SB-07_0-2_20200124	SB-07_18-20_20200124
		Laboratory Sample ID	460-201296-2	460-201296-3	460-201587-3	460-201587-4
		Date Sampled	1/21/2020 12:45:00 AM	1/21/2020 1:40:00 AM	1/24/2020 10:39:00 AM	1/24/2020 10:44:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,1,2,2-Tetrachloroethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.001 U	0.00098 U	0.0012 UT	0.0011 UT
1,1,2-Trichloroethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2,3-Trichlorobenzene	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2,4-Trichlorobenzene	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,2-Dichloropropane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	0.001 U	0.00098 U	0.0012 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	0.001 U	0.00098 U	0.0012 U	0.0011 U
2-Hexanone	NS	NS	0.0051 U	0.0049 U	0.0061 U	0.0057 U
Acetone	**0.05**	100	0.0061 U	0.0059 U	0.0073 U	0.0068 U
Benzene	**0.06**	4.8	0.001 U	0.00098 U	0.0012 U	0.0011 U
Bromochloromethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Bromodichloromethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Bromoform	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Bromomethane	NS	NS	0.001 UT	0.00098 UT	0.0012 U	0.0011 U
Carbon Disulfide	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.001 UT	0.00098 UT	0.0012 U	0.0011 U
Chlorobenzene	1.1	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
Chloroethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Chloroform	0.37	49	0.001 U	0.00098 U	0.0012 U	0.0011 U
Chloromethane	NS	NS	0.001 UT	0.00098 UT	0.0012 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
Cis-1,3-Dichloropropene	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Cyclohexane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Dibromochloromethane	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Dichlorodifluoromethane	NS	NS	0.001 UT	0.00098 UT	0.0012 U	0.0011 U
Ethylbenzene	**1**	41	0.001 U	0.00098 U	0.0012 U	0.0011 U
Isopropylbenzene (Cumene)	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
M,P-Xylenes	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Methyl Acetate	NS	NS	0.0051 U	0.0049 U	0.0061 U	0.0057 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0051 U	0.0049 U	0.0061 U	0.0057 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0051 U	0.0049 U	0.0061 U	0.0057 U
Methylcyclohexane	NS	NS	0.001 U	0.00098 U	0.0012 UT	0.0011 UT
Methylene Chloride	0.05	100	0.001 U	0.0006 J	0.0012 U	0.00078 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Styrene	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	0.001 U	0.00098 U	0.0012 U	0.0011 U
Toluene	**0.7**	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.001 U	0.00098 U	0.0012 U	0.0011 U
Trans-1,3-Dichloropropene	NS	NS	0.001 U	0.00098 U	0.0012 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.001 U	0.00098 U	0.0012 U	0.0011 U
Trichlorofluoromethane	NS	NS	0.001 UT	0.00098 UT	0.0012 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.001 U	0.00098 U	0.0012 U	0.0011 U
Xylene (Total)	**0.26**	100	0.001 U	0.00098 U	0.0012 U	0.0011 U

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-08_0-2_20200122	SB-08_19-21_20200122	SB-09_0-2_20200124	SB-09_20-22_20200124
		Laboratory Sample ID	460-201362-1	460-201362-2	460-201587-5	460-201587-6
		Date Sampled	1/22/2020 8:00:00 AM	1/22/2020 7:21:00 PM	1/24/2020 12:40:00 PM	1/24/2020 12:45:00 PM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0013 U	0.00093 U	0.0012 UT	0.0013 UT
1,1,2-Trichloroethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,1-Dichloroethane	0.27	26	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2,3-Trichlorobenzene	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2,4-Trichlorobenzene	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2-Dichloroethane	0.02	3.1	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,2-Dichloropropane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,3-Dichlorobenzene	2.4	49	0.0013 U	0.00093 U	0.0012 U	0.0013 U
1,4-Dichlorobenzene	1.8	13	0.0013 U	0.00093 U	0.0012 U	0.0013 U
2-Hexanone	NS	NS	0.0064 U	0.0047 U	0.006 U	0.0063 U
Acetone	**0.05**	100	0.0076 U	0.017	0.0072 U	0.0076 U
Benzene	**0.06**	4.8	0.0013 U	0.00036 J	0.0012 U	0.0013 U
Bromochloromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Bromodichloromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Bromoform	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Bromomethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Carbon Disulfide	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Carbon Tetrachloride	0.76	2.4	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Chlorobenzene	1.1	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Chloroethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Chloroform	0.37	49	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Chloromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Cis-1,2-Dichloroethylene	0.25	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Cis-1,3-Dichloropropene	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Cyclohexane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Dibromochloromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Dichlorodifluoromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Ethylbenzene	**1**	41	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Isopropylbenzene (Cumene)	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
M,P-Xylenes	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Methyl Acetate	NS	NS	0.0064 U	0.0047 U	0.006 U	0.0063 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0064 U	0.0052	0.006 U	0.0063 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0064 U	0.0047 U	0.006 U	0.0063 U
Methylcyclohexane	NS	NS	0.0013 U	0.00093 U	0.0012 UT	0.0013 UT
Methylene Chloride	0.05	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Styrene	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Tert-Butyl Methyl Ether	0.93	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Tetrachloroethylene (PCE)	1.3	19	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Toluene	**0.7**	100	0.0013 U	0.00036 J	0.0012 U	0.0013 U
Trans-1,2-Dichloroethene	0.19	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Trans-1,3-Dichloropropene	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Trichloroethylene (TCE)	0.47	21	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Trichlorofluoromethane	NS	NS	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Vinyl Chloride	0.02	0.9	0.0013 U	0.00093 U	0.0012 U	0.0013 U
Xylene (Total)	**0.26**	100	0.0013 U	0.00093 U	0.0012 U	0.0013 U

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-10_0-2_20200124	SB-10_19-21_20200124	SB-11_0-2_20200124	SB-11_19-21_20200124
		Laboratory Sample ID	460-201587-7	460-201587-8	460-201587-9	460-201587-10
		Date Sampled	1/24/2020 2:15:00 PM	1/24/2020 2:20:00 PM	1/24/2020 11:50:00 AM	1/24/2020 11:55:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 UT	0.0042 UT	0.0016 UT	0.0012 UT
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.0042 U	0.0016 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.0042 U	0.0016 U	0.0012 U
2-Hexanone	NS	NS	0.0061 U	0.021 U	0.0082 U	0.006 U
Acetone	**0.05**	100	0.0073 U	0.025 U	0.0098 U	0.0072 U
Benzene	**0.06**	4.8	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Bromochloromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Bromodichloromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Bromoform	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Bromomethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Carbon Disulfide	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Chlorobenzene	1.1	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Chloroethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Chloroform	0.37	49	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Chloromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Cyclohexane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Dibromochloromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Ethylbenzene	**1**	41	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
M,P-Xylenes	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Methyl Acetate	NS	NS	0.0061 U	0.021 U	0.0082 U	0.006 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0061 U	0.021 U	0.0082 U	0.006 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0061 U	0.021 U	0.0082 U	0.006 U
Methylcyclohexane	NS	NS	0.0012 UT	0.0042 UT	0.0016 UT	0.0012 UT
Methylene Chloride	0.05	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Styrene	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Toluene	**0.7**	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.0012 U	0.0042 U	0.0016 U	0.0012 U
Xylene (Total)	**0.26**	100	0.0012 U	0.0042 U	0.0016 U	0.0012 U

Table 2
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Volatile Organic Compounds (VOCs)

		AKRF Sample ID	SB-12_0-2_20200123	SB-12_18-20_20200124
		Laboratory Sample ID	460-201482-4	460-201587-11
		Date Sampled	1/23/2020 11:40:00 AM	1/24/2020 7:30:00 AM
		Dilution Factor	1	1
		Unit	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
1,1,1-Trichloroethane	0.68	100	0.0012 U	0.0012 U
1,1,2,2-Tetrachloroethane	NS	NS	0.0012 U	0.0012 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	NS	NS	0.0012 U	0.0012 U
1,1,2-Trichloroethane	NS	NS	0.0012 U	0.0012 U
1,1-Dichloroethane	0.27	26	0.0012 U	0.0012 U
1,1-Dichloroethene	0.33	100	0.0012 U	0.0012 U
1,2,3-Trichlorobenzene	NS	NS	0.0012 U	0.0012 U
1,2,4-Trichlorobenzene	NS	NS	0.0012 U	0.0012 U
1,2-Dibromo-3-Chloropropane	NS	NS	0.0012 U	0.0012 U
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	0.0012 U	0.0012 U
1,2-Dichlorobenzene	1.1	100	0.0012 U	0.0012 U
1,2-Dichloroethane	0.02	3.1	0.0012 U	0.0012 U
1,2-Dichloropropane	NS	NS	0.0012 U	0.0012 U
1,3-Dichlorobenzene	2.4	49	0.0012 U	0.0012 U
1,4-Dichlorobenzene	1.8	13	0.0012 U	0.0012 U
2-Hexanone	NS	NS	0.0061 U	0.0059 U
Acetone	**0.05**	100	0.0073 U	0.0071 U
Benzene	**0.06**	4.8	0.0012 U	0.0012 U
Bromochloromethane	NS	NS	0.0012 U	0.0012 U
Bromodichloromethane	NS	NS	0.0012 UT	0.0012 U
Bromoform	NS	NS	0.0012 U	0.0012 U
Bromomethane	NS	NS	0.0012 U	0.0012 U
Carbon Disulfide	NS	NS	0.0012 U	0.0012 U
Carbon Tetrachloride	0.76	2.4	0.0012 U	0.0012 U
Chlorobenzene	1.1	100	0.0012 U	0.0012 U
Chloroethane	NS	NS	0.0012 U	0.0012 U
Chloroform	0.37	49	0.0012 U	0.0012 U
Chloromethane	NS	NS	0.0012 U	0.0012 U
Cis-1,2-Dichloroethylene	0.25	100	0.0012 U	0.0012 U
Cis-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U
Cyclohexane	NS	NS	0.0012 U	0.0012 U
Dibromochloromethane	NS	NS	0.0012 U	0.0012 U
Dichlorodifluoromethane	NS	NS	0.0012 U	0.0012 U
Ethylbenzene	**1**	41	0.0012 U	0.0012 U
Isopropylbenzene (Cumene)	NS	NS	0.0012 U	0.0012 U
M,P-Xylenes	NS	NS	0.0012 U	0.0012 U
Methyl Acetate	NS	NS	0.0061 U	0.0059 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.0061 U	0.0059 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	0.0061 U	0.0059 U
Methylcyclohexane	NS	NS	0.0012 U	0.0012 U
Methylene Chloride	0.05	100	0.0012 U	0.0012 U
O-Xylene (1,2-Dimethylbenzene)	NS	NS	0.0012 U	0.0012 U
Styrene	NS	NS	0.0012 U	0.0012 U
Tert-Butyl Methyl Ether	0.93	100	0.0012 U	0.0012 U
Tetrachloroethylene (PCE)	1.3	19	0.0012 U	0.00028 J
Toluene	**0.7**	100	0.0012 U	0.0012 U
Trans-1,2-Dichloroethene	0.19	100	0.0012 U	0.0012 U
Trans-1,3-Dichloropropene	NS	NS	0.0012 U	0.0012 U
Trichloroethylene (TCE)	0.47	21	0.0012 U	0.0012 U
Trichlorofluoromethane	NS	NS	0.0012 U	0.0012 U
Vinyl Chloride	0.02	0.9	0.0012 U	0.0012 U
Xylene (Total)	**0.26**	100	0.0012 U	0.0012 U

Table 3
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	SB-01_0.5-2.5_20200123	SB-01_16-18_20200123	SB-02_0.5-1.5_20200121	SB-03_0-2_20200124	SB-03_2-4_20200124	SB-04_0-2_20200122
		Laboratory Sample ID	460-201482-2	460-201482-3	460-201296-5	460-201587-1	460-201587-2	460-201362-3
		Date Sampled	1/23/2020 9:05:00 AM	1/23/2020 10:00:00 AM	1/21/2020 3:40:00 AM	1/24/2020 11:40:00 AM	1/24/2020 12:00:00 PM	1/22/2020 11:45:00 AM
		Dilution Factor	1	1	1	1	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.38 U	0.34 U	0.36 U	0.37 UT	0.36 UT	3.9 U
1,4-Dioxane (P-Dioxane)	0.1	13	0.12 U	0.1 U	0.11 U	0.11 U	0.11 U	1.2 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
2,4,5-Trichlorophenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 UT	0.36 UT	3.9 U
2,4,6-Trichlorophenol	NS	NS	0.16 U	0.14 U	0.15 U	0.15 UT	0.15 UT	1.6 U
2,4-Dichlorophenol	NS	NS	0.16 U	0.14 U	0.15 U	0.15 UT	0.15 UT	1.6 U
2,4-Dimethylphenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
2,4-Dinitrophenol	NS	NS	0.31 U	0.27 U	0.29 U	0.3 UT	0.29 UT	3.2 U
2,4-Dinitrotoluene	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U	0.074 U	0.8 U
2,6-Dinitrotoluene	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U	0.074 U	0.8 U
2-Chloronaphthalene	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
2-Chlorophenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
2-Methylnaphthalene	NS	NS	0.38 U	0.34 U	0.065 J	0.057 J	6.8 T	0.92 J
2-Methylphenol (O-Cresol)	0.33	100	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
2-Nitroaniline	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
2-Nitrophenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 UT	0.36 UT	3.9 U
3,3'-Dichlorobenzidine	NS	NS	0.16 U	0.14 U	0.15 U	0.15 U	0.15 U	1.6 U
3-Nitroaniline	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.31 U	0.27 U	0.29 U	0.3 U	0.29 U	3.2 U
4-Bromophenyl Phenyl Ether	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4-Chloro-3-Methylphenol	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4-Chloroaniline	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4-Methylphenol (P-Cresol)	0.33	100	0.38 U	0.34 U	0.36 U	0.031 J	0.36 UT	3.9 U
4-Nitroaniline	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
4-Nitrophenol	NS	NS	0.78 U	0.69 U	0.74 U	0.75 U	0.74 U	8 U
Acenaphthene	20	100	0.38 U	0.34 U	0.16 J	0.15 J	0.36 UT	4.1
Acenaphthylene	100	100	0.38 U	0.34 U	0.08 J	0.18 J	0.36 UT	0.56 J
Acetophenone	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
Anthracene	100	100	0.022 J	0.34 U	0.55	0.7	0.032 JT	12
Atrazine	NS	NS	0.16 U	0.14 U	0.15 U	0.15 U	0.15 U	1.6 U
Benzaldehyde	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	0.26 J
Benzo(a)Anthracene	**1**	1	0.11	0.034 U	**1.9**	**2.5**	0.038	**39**
Benzo(a)Pyrene	**1**	1	0.09	0.034 U	**1.6 T**	**2**	0.021 JT	**36**
Benzo(b)Fluoranthene	**1**	1	0.11	0.034 U	**2.3**	**2.3**	0.027 J	**47**
Benzo(g,h,i)Perylene	100	100	0.057 J	0.34 U	1	1	0.015 J	17
Benzo(k)Fluoranthene	**0.8**	3.9	0.048	0.034 U	**0.87**	**1.1**	0.0097 J	**19**
Benzyl Butyl Phthalate	NS	NS	0.38 U	0.34 U	0.51	0.37 U	0.36 UT	3.9 U
Biphenyl (Diphenyl)	NS	NS	0.38 U	0.34 U	0.02 J	0.021 J	0.22 JT	0.38 J
Bis(2-Chloroethoxy) Methane	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.038 U	0.034 U	0.036 U	0.037 U	0.036 UT	0.39 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.38 U	0.34 U	0.11 J	0.37 U	0.36 UT	82
Caprolactam	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
Carbazole	NS	NS	0.38 U	0.34 U	0.5	0.23 J	0.36 UT	4.1
Chrysene	**1**	3.9	0.11 J	0.34 U	**1.9**	**2.5**	0.031 J	**37**
Dibenz(a,h)Anthracene	**0.33**	0.33	0.038 U	0.034 U	0.28	**0.35**	0.036 U	**4.9**
Dibenzofuran	7	59	0.38 U	0.34 U	0.15 J	0.12 J	0.11 JT	3.1 J
Diethyl Phthalate	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
Dimethyl Phthalate	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
Di-N-Butyl Phthalate	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
Di-N-Octylphthalate	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	4.5
Fluoranthene	100	100	0.19 J	0.34 U	3.8	4.5	0.07 J	75
Fluorene	30	100	0.0099 J	0.34 U	0.18 J	0.24 J	0.11 J	5.9
Hexachlorobenzene	0.33	1.2	0.038 U	0.034 U	0.036 U	0.037 U	0.036 U	0.39 U
Hexachlorobutadiene	NS	NS	0.078 UT	0.069 UT	0.074 U	0.075 UT	0.074 UT	0.8 U
Hexachlorocyclopentadiene	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 UT	3.9 U
Hexachloroethane	NS	NS	0.038 U	0.034 U	0.036 U	0.037 U	0.036 U	0.39 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.059	0.034 U	**1.2**	**1.2**	0.014 J	**19**
Isophorone	NS	NS	0.16 U	0.14 U	0.15 U	0.15 U	0.15 UT	1.6 U
Naphthalene	12	100	0.38 U	0.34 U	0.076 J	0.12 J	6.3 T	2 J
Nitrobenzene	NS	NS	0.038 U	0.034 U	0.036 U	0.037 U	0.036 UT	0.39 U
N-Nitrosodi-N-Propylamine	NS	NS	0.038 U	0.034 U	0.036 U	0.037 U	0.036 UT	0.39 U
N-Nitrosodiphenylamine	NS	NS	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
Pentachlorophenol	0.8	6.7	0.31 U	0.27 U	0.29 U	0.3 U	0.29 U	3.2 U
Phenanthrene	100	100	0.11 J	0.34 U	2.8	3.2	0.31 J	57
Phenol	0.33	100	0.38 U	0.34 U	0.36 U	0.37 U	0.36 U	3.9 U
Pyrene	100	100	0.19 J	0.34 U	3.2	4.6	0.077 J	78

Table 3
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	SB-04_15-17_20200122	SB-05_0.5-2.5_20200121	SB-06_0.5-2.5_20200121	SB-06_2.5-3.5_20200121	SB-07_0-2_20200124	SB-07_18-20_20200124
		Laboratory Sample ID	460-201362-4	460-201296-4	460-201296-2	460-201296-3	460-201587-3	460-201587-4
		Date Sampled	1/22/2020 1:00:00 PM	1/21/2020 2:20:00 AM	1/21/2020 12:45:00 AM	1/21/2020 1:40:00 AM	1/24/2020 10:39:00 AM	1/24/2020 10:44:00 AM
		Dilution Factor	1	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 UT	0.34 UT
1,4-Dioxane (P-Dioxane)	0.1	13	0.11 U	0.11 U	0.11 U	0.11 U	0.1 U	0.1 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 UT	0.34 UT
2,4,6-Trichlorophenol	NS	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 UT	0.14 UT
2,4-Dichlorophenol	NS	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 UT	0.14 UT
2,4-Dimethylphenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.28 U	0.29 U	0.29 U	0.29 U	0.28 UT	0.28 UT
2,4-Dinitrotoluene	NS	NS	0.072 U	0.072 U	0.073 U	0.072 U	0.07 U	0.07 U
2,6-Dinitrotoluene	NS	NS	0.072 U	0.072 U	0.073 U	0.072 U	0.07 U	0.07 U
2-Chloronaphthalene	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2-Chlorophenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2-Methylnaphthalene	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.011 J	0.34 U
2-Methylphenol (O-Cresol)	0.33	100	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2-Nitroaniline	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
2-Nitrophenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 UT	0.34 UT
3,3'-Dichlorobenzidine	NS	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
3-Nitroaniline	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.28 U	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Chloroaniline	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Nitroaniline	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
4-Nitrophenol	NS	NS	0.72 U	0.72 U	0.73 U	0.72 U	0.7 U	0.7 U
Acenaphthene	20	100	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Acenaphthylene	100	100	0.35 U	0.36 U	0.36 U	0.36 U	0.022 J	0.34 U
Acetophenone	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Anthracene	100	100	0.091 J	0.026 J	0.36 U	0.36 U	0.066 J	0.34 U
Atrazine	NS	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Benzaldehyde	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Benzo(a)Anthracene	**1**	1	0.36	0.092	0.036 U	0.036 U	0.34	0.034 U
Benzo(a)Pyrene	**1**	1	0.33	0.072 T	0.036 UT	0.036 UT	0.3	0.034 U
Benzo(b)Fluoranthene	**1**	1	0.42	0.091	0.036 U	0.036 U	0.42	0.034 U
Benzo(g,h,i)Perylene	100	100	0.2 J	0.046 J	0.36 U	0.36 U	0.18 J	0.34 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.16	0.038	0.036 U	0.036 U	0.18	0.034 U
Benzyl Butyl Phthalate	NS	NS	0.35 U	0.42	0.72	0.36 U	0.34 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.035 U	0.036 U	0.036 U	0.036 U	0.034 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.54	0.36 U	0.36 U	0.36 U	0.13 J	0.34 U
Caprolactam	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Carbazole	NS	NS	0.032 J	0.018 J	0.36 U	0.36 U	0.042 J	0.34 U
Chrysene	**1**	3.9	0.35	0.091 J	0.36 U	0.36 U	0.36	0.34 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.062	0.036 U	0.036 U	0.036 U	0.05	0.034 U
Dibenzofuran	7	59	0.016 J	0.36 U	0.36 U	0.36 U	0.02 J	0.34 U
Diethyl Phthalate	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Dimethyl Phthalate	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.038 J	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Fluoranthene	100	100	0.62	0.17 J	0.36 U	0.36 U	0.6	0.34 U
Fluorene	30	100	0.036 J	0.36 U	0.36 U	0.36 U	0.029 J	0.34 U
Hexachlorobenzene	0.33	1.2	0.035 U	0.036 U	0.036 U	0.036 U	0.034 U	0.034 U
Hexachlorobutadiene	NS	NS	0.072 U	0.072 U	0.073 U	0.072 U	0.07 UT	0.07 UT
Hexachlorocyclopentadiene	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Hexachloroethane	NS	NS	0.035 U	0.036 U	0.036 U	0.036 U	0.034 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.23	0.051	0.036 U	0.036 U	0.17	0.034 U
Isophorone	NS	NS	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
Naphthalene	12	100	0.35 U	0.36 U	0.36 U	0.36 U	0.017 J	0.34 U
Nitrobenzene	NS	NS	0.035 U	0.036 U	0.036 U	0.036 U	0.034 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.035 U	0.036 U	0.036 U	0.036 U	0.034 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Pentachlorophenol	0.8	6.7	0.28 U	0.29 U	0.29 U	0.29 U	0.28 U	0.28 U
Phenanthrene	100	100	0.42	0.14 J	0.36 U	0.36 U	0.39	0.34 U
Phenol	0.33	100	0.35 U	0.36 U	0.36 U	0.36 U	0.34 U	0.34 U
Pyrene	100	100	0.73	0.15 J	0.36 U	0.36 U	0.57	0.34 U

Table 3
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	SB-08_0-2_20200122	SB-08_19-21_20200122	SB-09_0-2_20200124	SB-09_20-22_20200124	SB-10_0-2_20200124	SB-10_19-21_20200124
		Laboratory Sample ID	460-201362-1	460-201362-2	460-201587-5	460-201587-6	460-201587-7	460-201587-8
		Date Sampled	1/22/2020 8:00:00 AM	1/22/2020 7:21:00 PM	1/24/2020 12:40:00 PM	1/24/2020 12:45:00 PM	1/24/2020 2:15:00 PM	1/24/2020 2:20:00 PM
		Dilution Factor	1	1	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.37 U	0.37 U	0.34 UT	0.34 UT	0.4 UT	0.34 UT
1,4-Dioxane (P-Dioxane)	0.1	13	0.11 U	0.11 U	0.1 U	0.1 U	0.12 U	0.1 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.37 U	0.37 U	0.34 UT	0.34 UT	0.4 UT	0.34 UT
2,4,6-Trichlorophenol	NS	NS	0.15 U	0.15 U	0.14 UT	0.14 UT	0.16 UT	0.14 UT
2,4-Dichlorophenol	NS	NS	0.15 U	0.15 U	0.14 UT	0.14 UT	0.16 UT	0.14 UT
2,4-Dimethylphenol	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.3 U	0.3 U	0.27 UT	0.28 UT	0.33 UT	0.28 UT
2,4-Dinitrotoluene	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U	0.082 U	0.069 U
2,6-Dinitrotoluene	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U	0.082 U	0.069 U
2-Chloronaphthalene	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2-Chlorophenol	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2-Methylnaphthalene	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2-Methylphenol (O-Cresol)	0.33	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2-Nitroaniline	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
2-Nitrophenol	NS	NS	0.37 U	0.37 U	0.34 UT	0.34 UT	0.4 UT	0.34 UT
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.15 U	0.14 U	0.14 U	0.16 U	0.14 U
3-Nitroaniline	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.3 U	0.3 U	0.27 U	0.28 U	0.33 U	0.28 U
4-Bromophenyl Phenyl Ether	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Chloroaniline	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Nitroaniline	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
4-Nitrophenol	NS	NS	0.75 U	0.75 U	0.69 U	0.7 U	0.82 U	0.69 U
Acenaphthene	20	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Acenaphthylene	100	100	0.034 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Acetophenone	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Anthracene	100	100	0.052 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Atrazine	NS	NS	0.15 U	0.15 U	0.14 U	0.14 U	0.16 U	0.14 U
Benzaldehyde	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Benzo(a)Anthracene	**1**	1	0.32	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Benzo(a)Pyrene	**1**	1	0.29	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Benzo(b)Fluoranthene	**1**	1	0.43	0.011 J	0.034 U	0.034 U	0.04 U	0.034 U
Benzo(g,h,i)Perylene	100	100	0.26 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Benzo(k)Fluoranthene	**0.8**	3.9	0.22	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Benzyl Butyl Phthalate	NS	NS	0.04 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.037 U	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.074 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Caprolactam	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Carbazole	NS	NS	0.019 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Chrysene	**1**	3.9	0.36 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.05	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Dibenzofuran	7	59	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Diethyl Phthalate	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Dimethyl Phthalate	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Fluoranthene	100	100	0.46	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Fluorene	30	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Hexachlorobenzene	0.33	1.2	0.037 U	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Hexachlorobutadiene	NS	NS	0.075 U	0.075 U	0.069 UT	0.07 UT	0.082 UT	0.069 UT
Hexachlorocyclopentadiene	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Hexachloroethane	NS	NS	0.037 U	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	0.22	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
Isophorone	NS	NS	0.15 U	0.15 U	0.14 U	0.14 U	0.16 U	0.14 U
Naphthalene	12	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Nitrobenzene	NS	NS	0.037 U	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.037 U	0.037 U	0.034 U	0.034 U	0.04 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Pentachlorophenol	0.8	6.7	0.3 U	0.3 U	0.27 U	0.28 U	0.33 U	0.28 U
Phenanthrene	100	100	0.16 J	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Phenol	0.33	100	0.37 U	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U
Pyrene	100	100	0.46	0.37 U	0.34 U	0.34 U	0.4 U	0.34 U

Table 3
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Semivolatile Organic Compounds (SVOCs)

		AKRF Sample ID	SB-11_0-2_20200124	SB-11_19-21_20200124	SB-12_0-2_20200123	SB-12_18-20_20200124
		Laboratory Sample ID	460-201587-9	460-201587-10	460-201482-4	460-201587-11
		Date Sampled	1/24/2020 11:50:00 AM	1/24/2020 11:55:00 AM	1/23/2020 11:40:00 AM	1/24/2020 7:30:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	NS	NS	0.36 UT	0.37 UT	0.38 U	0.34 UT
1,4-Dioxane (P-Dioxane)	0.1	13	0.11 U	0.11 U	0.11 U	0.1 U
2,3,4,6-Tetrachlorophenol	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
2,4,5-Trichlorophenol	NS	NS	0.36 UT	0.37 UT	0.38 U	0.34 UT
2,4,6-Trichlorophenol	NS	NS	0.15 UT	0.15 UT	0.15 U	0.14 UT
2,4-Dichlorophenol	NS	NS	0.15 UT	0.15 UT	0.15 U	0.14 UT
2,4-Dimethylphenol	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
2,4-Dinitrophenol	NS	NS	0.29 UT	0.3 UT	0.3 U	0.27 UT
2,4-Dinitrotoluene	NS	NS	0.074 U	0.075 U	0.077 U	0.069 U
2,6-Dinitrotoluene	NS	NS	0.074 U	0.075 U	0.077 U	0.069 U
2-Chloronaphthalene	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
2-Chlorophenol	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
2-Methylnaphthalene	NS	NS	0.05 J	0.37 U	0.38 U	0.34 U
2-Methylphenol (O-Cresol)	0.33	100	0.36 U	0.37 U	0.38 U	0.34 U
2-Nitroaniline	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
2-Nitrophenol	NS	NS	0.36 UT	0.37 UT	0.38 U	0.34 UT
3,3'-Dichlorobenzidine	NS	NS	0.15 U	0.15 U	0.15 U	0.14 U
3-Nitroaniline	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4,6-Dinitro-2-Methylphenol	NS	NS	0.29 U	0.3 U	0.3 U	0.27 U
4-Bromophenyl Phenyl Ether	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4-Chloro-3-Methylphenol	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4-Chloroaniline	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4-Chlorophenyl Phenyl Ether	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4-Methylphenol (P-Cresol)	0.33	100	0.36 U	0.37 U	0.38 U	0.34 U
4-Nitroaniline	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
4-Nitrophenol	NS	NS	0.74 U	0.75 U	0.77 U	0.69 U
Acenaphthene	20	100	0.17 J	0.37 U	0.38 U	0.34 U
Acenaphthylene	100	100	0.076 J	0.37 U	0.38 U	0.34 U
Acetophenone	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Anthracene	100	100	0.44	0.37 U	0.38 U	0.34 U
Atrazine	NS	NS	0.15 U	0.15 U	0.15 U	0.14 U
Benzaldehyde	NS	NS	0.024 J	0.37 U	0.38 U	0.34 U
Benzo(a)Anthracene	**1**	1	**1.7**	0.037 U	0.038 U	0.034 U
Benzo(a)Pyrene	**1**	1	**1.4**	0.037 U	0.038 U	0.034 U
Benzo(b)Fluoranthene	**1**	1	**2.1**	0.037 U	0.038 U	0.034 U
Benzo(g,h,i)Perylene	100	100	0.6	0.37 U	0.38 U	0.34 U
Benzo(k)Fluoranthene	**0.8**	3.9	**0.83**	0.037 U	0.038 U	0.034 U
Benzyl Butyl Phthalate	NS	NS	0.041 J	0.37 U	0.38 U	0.34 U
Biphenyl (Diphenyl)	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Bis(2-Chloroethoxy) Methane	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	NS	NS	0.036 U	0.037 U	0.038 U	0.034 U
Bis(2-Chloroisopropyl) Ether	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Bis(2-Ethylhexyl) Phthalate	NS	NS	0.3 J	0.37 U	0.38 U	0.34 U
Caprolactam	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Carbazole	NS	NS	0.32 J	0.37 U	0.38 U	0.34 U
Chrysene	**1**	3.9	**1.7**	0.37 U	0.38 U	0.34 U
Dibenz(a,h)Anthracene	**0.33**	0.33	0.2	0.037 U	0.038 U	0.034 U
Dibenzofuran	7	59	0.12 J	0.37 U	0.38 U	0.34 U
Diethyl Phthalate	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Dimethyl Phthalate	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Di-N-Butyl Phthalate	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Di-N-Octylphthalate	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Fluoranthene	100	100	3.3	0.37 U	0.38 U	0.34 U
Fluorene	30	100	0.19 J	0.37 U	0.38 U	0.34 U
Hexachlorobenzene	0.33	1.2	0.036 U	0.037 U	0.038 U	0.034 U
Hexachlorobutadiene	NS	NS	0.074 UT	0.075 UT	0.077 UT	0.069 UT
Hexachlorocyclopentadiene	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Hexachloroethane	NS	NS	0.036 U	0.037 U	0.038 U	0.034 U
Indeno(1,2,3-c,d)Pyrene	**0.5**	0.5	**0.67**	0.037 U	0.038 U	0.034 U
Isophorone	NS	NS	0.15 U	0.15 U	0.15 U	0.14 U
Naphthalene	12	100	0.089 J	0.37 U	0.38 U	0.34 U
Nitrobenzene	NS	NS	0.036 U	0.037 U	0.038 U	0.034 U
N-Nitrosodi-N-Propylamine	NS	NS	0.036 U	0.037 U	0.038 U	0.034 U
N-Nitrosodiphenylamine	NS	NS	0.36 U	0.37 U	0.38 U	0.34 U
Pentachlorophenol	0.8	6.7	0.29 U	0.3 U	0.3 U	0.27 U
Phenanthrene	100	100	2.4	0.37 U	0.38 U	0.34 U
Phenol	0.33	100	0.36 U	0.37 U	0.38 U	0.34 U
Pyrene	100	100	2.7	0.37 U	0.0099 J	0.34 U

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-01_0.5-2.5_20200123	SB-01_0.5-2.5_20200123	SB-01_16-18_20200123	SB-01_16-18_20200123
		Laboratory Sample ID	460-201482-2	460-201482-2	460-201482-3	460-201482-3
		Date Sampled	1/23/2020 9:05:00 AM	1/23/2020 9:05:00 AM	1/23/2020 10:00:00 AM	1/23/2020 10:00:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	3.3	NR	2.4
Barium	**350**	400	NR	34.2 T	NR	57.2
Beryllium	7.2	72	NR	0.47 U	NR	0.21 J
Cadmium	**2.5**	4.3	NR	1.2 U	NR	0.97 U
Copper	**50**	270	NR	20.6 T	NR	14.7
Lead	**63**	400	NR	47.7	NR	6.8
Manganese	1,600	2,000	NR	176 T	NR	727
Mercury	**0.18**	0.81	0.06	NT	0.017 U	NT
Nickel	**30**	310	NR	15.6	NR	22
Selenium	3.9	180	NR	5.8 U	NR	4.8 U
Silver	2	180	NR	1.2 U	NR	0.97 U
Zinc	**109**	10,000	NR	85.9	NR	24.1

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

			AKRF Sample ID	SB-02_0.5-1.5_20200121	SB-02_0.5-1.5_20200121	SB-03_0-2_20200124	SB-03_0-2_20200124
			Laboratory Sample ID	460-201296-5	460-201296-5	460-201587-1	460-201587-1
			Date Sampled	1/21/2020 3:40:00 AM	1/21/2020 3:40:00 AM	1/24/2020 11:40:00 AM	1/24/2020 11:40:00 AM
			Dilution Factor	1	10	5	10
			Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**		CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16		NR	2.6	NR	8.4
Barium	**350**	400		NR	35.6	NR	345
Beryllium	7.2	72		NR	0.42 U	NR	0.27 J
Cadmium	**2.5**	4.3		NR	1 U	NR	0.54 J
Copper	**50**	270		NR	19.3	NR	**169**
Lead	**63**	400		NR	22.9	NR	**642**
Manganese	1,600	2,000		NR	339	NR	408
Mercury	**0.18**	0.81		0.032	NT	**2.1**	NT
Nickel	**30**	310		NR	11.2	NR	16.6
Selenium	3.9	180		NR	5.2 U	NR	0.76 J
Silver	2	180		NR	1 U	NR	1.1 U
Zinc	**109**	10,000		NR	38.4	NR	**380**

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-03_2-4_20200124	SB-03_2-4_20200124	SB-04_0-2_20200122	SB-04_0-2_20200122
		Laboratory Sample ID	460-201587-2	460-201587-2	460-201362-3	460-201362-3
		Date Sampled	1/24/2020 12:00:00 PM	1/24/2020 12:00:00 PM	1/22/2020 11:45:00 AM	1/22/2020 11:45:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	2.1	NR	7.2
Barium	**350**	400	NR	39	NR	178
Beryllium	7.2	72	NR	0.18 J	NR	0.44 U
Cadmium	**2.5**	4.3	NR	1.1 U	NR	**5.4**
Copper	**50**	270	NR	17.3	NR	**273**
Lead	**63**	400	NR	8.4	NR	**711**
Manganese	1,600	2,000	NR	262	NR	753
Mercury	**0.18**	0.81	0.017 U	NT	**0.76**	NT
Nickel	**30**	310	NR	12.6	NR	**50.6**
Selenium	3.9	180	NR	5.3 U	NR	5.6 U
Silver	2	180	NR	1.1 U	NR	1.1 U
Zinc	**109**	10,000	NR	30.3	NR	**1,110**

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-04_15-17_20200122	SB-04_15-17_20200122	SB-05_0.5-2.5_20200121	SB-05_0.5-2.5_20200121
		Laboratory Sample ID	460-201362-4	460-201362-4	460-201296-4	460-201296-4
		Date Sampled	1/22/2020 1:00:00 PM	1/22/2020 1:00:00 PM	1/21/2020 2:20:00 AM	1/21/2020 2:20:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	2	NR	2.5
Barium	**350**	400	NR	41.3	NR	81.5
Beryllium	7.2	72	NR	0.21 J	NR	0.42 U
Cadmium	**2.5**	4.3	NR	1 U	NR	1 U
Copper	**50**	270	NR	37	NR	10.3
Lead	**63**	400	NR	11.4	NR	4.7
Manganese	1,600	2,000	NR	480	NR	262
Mercury	**0.18**	0.81	0.012 J	NT	0.041	NT
Nickel	**30**	310	NR	16.6	NR	7.9
Selenium	3.9	180	NR	5 U	NR	5.2 U
Silver	2	180	NR	1 U	NR	1 U
Zinc	**109**	10,000	NR	37.1	NR	17.4

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-06_0.5-2.5_20200121	SB-06_0.5-2.5_20200121	SB-06_2.5-3.5_20200121	SB-06_2.5-3.5_20200121
		Laboratory Sample ID	460-201296-2	460-201296-2	460-201296-3	460-201296-3
		Date Sampled	1/21/2020 12:45:00 AM	1/21/2020 12:45:00 AM	1/21/2020 1:40:00 AM	1/21/2020 1:40:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	2.1	NR	1.5
Barium	**350**	400	NR	32.2	NR	37.1
Beryllium	7.2	72	NR	0.19 J	NR	0.21 J
Cadmium	**2.5**	4.3	NR	1 U	NR	0.99 U
Copper	**50**	270	NR	21.9	NR	16.1
Lead	**63**	400	NR	5.8	NR	4.8
Manganese	1,600	2,000	NR	321	NR	365
Mercury	**0.18**	0.81	0.018 U	NT	0.012 J	NT
Nickel	**30**	310	NR	9.8	NR	10.4
Selenium	3.9	180	NR	5.1 U	NR	4.9 U
Silver	2	180	NR	1 U	NR	0.99 U
Zinc	**109**	10,000	NR	28.7	NR	27.1

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-07_0-2_20200124	SB-07_0-2_20200124	SB-07_18-20_20200124	SB-07_18-20_20200124
		Laboratory Sample ID	460-201587-3	460-201587-3	460-201587-4	460-201587-4
		Date Sampled	1/24/2020 10:39:00 AM	1/24/2020 10:39:00 AM	1/24/2020 10:44:00 AM	1/24/2020 10:44:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	3.2	NR	1.7
Barium	**350**	400	NR	115	NR	26.1 T
Beryllium	7.2	72	NR	0.36 J	NR	0.42 U
Cadmium	**2.5**	4.3	NR	0.46 J	NR	1 U
Copper	**50**	270	NR	43.1	NR	14.4
Lead	**63**	400	NR	**297**	NR	4.7
Manganese	1,600	2,000	NR	200	NR	334
Mercury	**0.18**	0.81	**0.21**	NT	0.017 U	NT
Nickel	**30**	310	NR	16.4	NR	10.1
Selenium	3.9	180	NR	4.9 U	NR	5.2 U
Silver	2	180	NR	0.97 U	NR	1 U
Zinc	**109**	10,000	NR	**162**	NR	19.7

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-08_0-2_20200122	SB-08_0-2_20200122	SB-08_19-21_20200122	SB-08_19-21_20200122
		Laboratory Sample ID	460-201362-1	460-201362-1	460-201362-2	460-201362-2
		Date Sampled	1/22/2020 8:00:00 AM	1/22/2020 8:00:00 AM	1/22/2020 7:21:00 PM	1/22/2020 7:21:00 PM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	2.8	NR	2.7
Barium	**350**	400	NR	197	NR	68.4
Beryllium	7.2	72	NR	0.43 U	NR	0.21 J
Cadmium	**2.5**	4.3	NR	1.1 U	NR	1.1 U
Copper	**50**	270	NR	38.4	NR	16.5
Lead	**63**	400	NR	**109**	NR	7.4
Manganese	1,600	2,000	NR	200	NR	1,030
Mercury	**0.18**	0.81	0.13	NT	0.01 J	NT
Nickel	**30**	310	NR	15.1	NR	14.6
Selenium	3.9	180	NR	5.3 U	NR	5.3 U
Silver	2	180	NR	1.1 U	NR	1.1 U
Zinc	**109**	10,000	NR	**123**	NR	30.9

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-09_0-2_20200124	SB-09_0-2_20200124	SB-09_20-22_20200124	SB-09_20-22_20200124
		Laboratory Sample ID	460-201587-5	460-201587-5	460-201587-6	460-201587-6
		Date Sampled	1/24/2020 12:40:00 PM	1/24/2020 12:40:00 PM	1/24/2020 12:45:00 PM	1/24/2020 12:45:00 PM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	1.1	NR	2.2
Barium	**350**	400	NR	18.3	NR	35.7
Beryllium	7.2	72	NR	0.4 U	NR	0.19 J
Cadmium	**2.5**	4.3	NR	0.99 U	NR	0.96 U
Copper	**50**	270	NR	7.6	NR	12.5
Lead	**63**	400	NR	4.2	NR	5.6
Manganese	1,600	2,000	NR	265	NR	551
Mercury	**0.18**	0.81	0.016 U	NT	0.017 U	NT
Nickel	**30**	310	NR	6.7	NR	12.4
Selenium	3.9	180	NR	5 U	NR	4.8 U
Silver	2	180	NR	0.99 U	NR	0.96 U
Zinc	**109**	10,000	NR	19.3	NR	48.2

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-10_0-2_20200124	SB-10_0-2_20200124	SB-10_19-21_20200124	SB-10_19-21_20200124
		Laboratory Sample ID	460-201587-7	460-201587-7	460-201587-8	460-201587-8
		Date Sampled	1/24/2020 2:15:00 PM	1/24/2020 2:15:00 PM	1/24/2020 2:20:00 PM	1/24/2020 2:20:00 PM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	3.7	NR	1.9
Barium	**350**	400	NR	56.2	NR	28.7
Beryllium	7.2	72	NR	0.46 U	NR	0.39 U
Cadmium	**2.5**	4.3	NR	1.2 U	NR	0.97 U
Copper	**50**	270	NR	15.1	NR	13.1
Lead	**63**	400	NR	15.8	NR	7.8
Manganese	1,600	2,000	NR	1,380	NR	345
Mercury	**0.18**	0.81	0.044	NT	0.017 U	NT
Nickel	**30**	310	NR	15.8	NR	**32**
Selenium	3.9	180	NR	5.8 U	NR	4.8 U
Silver	2	180	NR	1.2 U	NR	0.97 U
Zinc	**109**	10,000	NR	27.2	NR	27.1

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-11_0-2_20200124	SB-11_0-2_20200124	SB-11_19-21_20200124	SB-11_19-21_20200124
		Laboratory Sample ID	460-201587-9	460-201587-9	460-201587-10	460-201587-10
		Date Sampled	1/24/2020 11:50:00 AM	1/24/2020 11:50:00 AM	1/24/2020 11:55:00 AM	1/24/2020 11:55:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	11	NR	1.8
Barium	**350**	400	NR	**629**	NR	24.4
Beryllium	7.2	72	NR	0.42 U	NR	0.24 J
Cadmium	**2.5**	4.3	NR	1.3	NR	1.1 U
Copper	**50**	270	NR	**118**	NR	19.2
Lead	**63**	400	NR	**667**	NR	7.6
Manganese	1,600	2,000	NR	229	NR	260
Mercury	**0.18**	0.81	**0.39**	NT	0.018 U	NT
Nickel	**30**	310	NR	19.6	NR	14
Selenium	3.9	180	NR	1.1 J	NR	5.5 U
Silver	2	180	NR	1 U	NR	1.1 U
Zinc	**109**	10,000	NR	**522**	NR	33.5

Table 4
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Metals

		AKRF Sample ID	SB-12_0-2_20200123	SB-12_0-2_20200123	SB-12_18-20_20200124	SB-12_18-20_20200124
		Laboratory Sample ID	460-201482-4	460-201482-4	460-201587-11	460-201587-11
		Date Sampled	1/23/2020 11:40:00 AM	1/23/2020 11:40:00 AM	1/24/2020 7:30:00 AM	1/24/2020 7:30:00 AM
		Dilution Factor	1	10	1	10
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Arsenic	13	16	NR	6.3	NR	1.6
Barium	**350**	400	NR	55.5	NR	41.3
Beryllium	7.2	72	NR	0.44 U	NR	0.38 U
Cadmium	**2.5**	4.3	NR	1.1 U	NR	0.96 U
Copper	**50**	270	NR	8.9	NR	8.7
Lead	**63**	400	NR	44.5	NR	4.1
Manganese	1,600	2,000	NR	445	NR	381
Mercury	**0.18**	0.81	0.027	NT	0.016 U	NT
Nickel	**30**	310	NR	9.5	NR	11.8
Selenium	3.9	180	NR	5.6 U	NR	4.8 U
Silver	2	180	NR	1.1 U	NR	0.96 U
Zinc	**109**	10,000	NR	26.8	NR	18

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-01_0.5-2.5_20200123	SB-01_16-18_20200123	SB-02_0.5-1.5_20200121	SB-03_0-2_20200124
		Laboratory Sample ID	460-201482-2	460-201482-3	460-201296-5	460-201587-1
		Date Sampled	1/23/2020 9:05:00 AM	1/23/2020 10:00:00 AM	1/21/2020 3:40:00 AM	1/24/2020 11:40:00 AM
		Dilution Factor	1 PCBs / 2 Pesticides	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1221 (Aroclor 1221)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1232 (Aroclor 1232)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1242 (Aroclor 1242)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1248 (Aroclor 1248)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1254 (Aroclor 1254)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1260 (Aroclor 1260)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1262 (Aroclor 1262)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
PCB-1268 (Aroclor 1268)	NS	NS	0.078 U	0.069 U	0.074 U	0.075 U
Total PCBs	**0.1**	1	0.078 U	0.069 U	0.074 U	0.075 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.016 U	0.0069 U	0.0074 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0047 U	0.0021 U	0.0022 U	0.0022 U
Alpha Endosulfan	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0047 U	0.0021 U	0.0022 U	0.0022 U
Beta Endosulfan	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Chlordane, Total	NS	NS	0.16 U	0.069 U	0.074 U	0.075 U
cis-Chlordane	0.094	4.2	0.013 JP	0.0069 U	0.0074 U	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0047 U	0.0021 U	0.0022 U	0.0022 U
Dieldrin	0.005	0.2	0.0047 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan Sulfate	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Endrin	0.014	11	0.016 U	0.0069 U	0.0074 U	0.0075 U
Endrin Aldehyde	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Endrin Ketone	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Gamma Bhc (Lindane)	0.1	1.3	0.0047 U	0.0021 U	0.0022 U	0.0022 U
Heptachlor	0.042	2.1	0.016 U	0.0069 U	0.0074 U	0.0075 U
Heptachlor Epoxide	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
Methoxychlor	NS	NS	0.016 U	0.0069 U	0.0074 U	0.0075 U
P,P'-DDD	**0.0033**	13	0.016 U	0.0069 U	0.0074 U	**0.015**
P,P'-DDE	**0.0033**	8.9	0.016 U	0.0069 U	0.0074 U	**0.0037 J**
P,P'-DDT	**0.0033**	7.9	**0.013 J**	0.0069 U	**0.012**	**0.021**
Toxaphene	NS	NS	0.16 U	0.069 U	0.074 U	0.075 U
trans-Chlordane	NS	NS	0.011 J	0.0069 U	0.0074 U	0.0075 U

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-03_2-4_20200124	SB-04_0-2_20200122	SB-04_15-17_20200122	SB-05_0.5-2.5_20200121
		Laboratory Sample ID	460-201587-2	460-201362-3	460-201362-4	460-201296-4
		Date Sampled	1/24/2020 12:00:00 PM	1/22/2020 11:45:00 AM	1/22/2020 1:00:00 PM	1/21/2020 2:20:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1221 (Aroclor 1221)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1232 (Aroclor 1232)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1242 (Aroclor 1242)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1248 (Aroclor 1248)	NS	NS	0.074 U	0.4	0.072 U	0.072 U
PCB-1254 (Aroclor 1254)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1260 (Aroclor 1260)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1262 (Aroclor 1262)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
PCB-1268 (Aroclor 1268)	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
Total PCBs	**0.1**	1	0.074 U	**0.4**	0.072 U	0.072 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0074 U	0.008 U	0.0072 U	0.0072 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0024 U	0.0021 U	0.0022 U
Alpha Endosulfan	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0024 U	0.0021 U	0.0022 U
Beta Endosulfan	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Chlordane, Total	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
cis-Chlordane	0.094	4.2	0.0074 U	0.008 U	0.0072 U	0.0072 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0024 U	0.0021 U	0.0022 U
Dieldrin	0.005	0.2	0.0022 U	0.0024 U	0.0021 U	0.0022 U
Endosulfan Sulfate	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Endrin	0.014	11	0.0074 U	0.008 U	0.0072 U	0.0072 U
Endrin Aldehyde	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Endrin Ketone	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0024 U	0.0021 U	0.0022 U
Heptachlor	0.042	2.1	0.0074 U	0.008 U	0.0072 U	0.0072 U
Heptachlor Epoxide	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
Methoxychlor	NS	NS	0.0074 U	0.008 U	0.0072 U	0.0072 U
P,P'-DDD	**0.0033**	13	0.0074 U	**0.014 P**	0.0072 U	0.0072 U
P,P'-DDE	**0.0033**	8.9	0.0074 U	**0.0085**	0.0072 U	**0.0072**
P,P'-DDT	**0.0033**	7.9	0.0074 U	**0.029**	0.0072 U	0.0023 J
Toxaphene	NS	NS	0.074 U	0.08 U	0.072 U	0.072 U
trans-Chlordane	NS	NS	0.0074 U	0.011 P	0.0072 U	0.0072 U

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-06_0.5-2.5_20200121	SB-06_2.5-3.5_20200121	SB-07_0-2_20200124	SB-07_18-20_20200124
		Laboratory Sample ID	460-201296-2	460-201296-3	460-201587-3	460-201587-4
		Date Sampled	1/21/2020 12:45:00 AM	1/21/2020 1:40:00 AM	1/24/2020 10:39:00 AM	1/24/2020 10:44:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1221 (Aroclor 1221)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1232 (Aroclor 1232)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1242 (Aroclor 1242)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1248 (Aroclor 1248)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1254 (Aroclor 1254)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1260 (Aroclor 1260)	NS	NS	0.073 U	0.072 U	0.083	0.07 U
PCB-1262 (Aroclor 1262)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
PCB-1268 (Aroclor 1268)	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
Total PCBs	**0.1**	1	0.073 U	0.072 U	0.083	0.07 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0073 U	0.0072 U	0.007 U	0.007 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Chlordane, Total	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
cis-Chlordane	0.094	4.2	0.0073 U	0.0072 U	0.0032 JP	0.007 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.0022 U	0.0022 U	0.0024	0.0021 U
Endosulfan Sulfate	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Endrin	0.014	11	0.0073 U	0.0072 U	0.007 U	0.007 U
Endrin Aldehyde	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Endrin Ketone	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.0073 U	0.0072 U	0.007 U	0.007 U
Heptachlor Epoxide	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
Methoxychlor	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U
P,P'-DDD	**0.0033**	13	0.0073 U	0.0072 U	0.007 U	0.007 U
P,P'-DDE	**0.0033**	8.9	0.0073 U	0.0072 U	0.0022 J	0.007 U
P,P'-DDT	**0.0033**	7.9	0.0073 U	0.0072 U	**0.009**	0.007 U
Toxaphene	NS	NS	0.073 U	0.072 U	0.07 U	0.07 U
trans-Chlordane	NS	NS	0.0073 U	0.0072 U	0.007 U	0.007 U

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-08_0-2_20200122	SB-08_19-21_20200122	SB-09_0-2_20200124	SB-09_20-22_20200124
		Laboratory Sample ID	460-201362-1	460-201362-2	460-201587-5	460-201587-6
		Date Sampled	1/22/2020 8:00:00 AM	1/22/2020 7:21:00 PM	1/24/2020 12:40:00 PM	1/24/2020 12:45:00 PM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1221 (Aroclor 1221)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1232 (Aroclor 1232)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1242 (Aroclor 1242)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1248 (Aroclor 1248)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1254 (Aroclor 1254)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1260 (Aroclor 1260)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1262 (Aroclor 1262)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
PCB-1268 (Aroclor 1268)	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
Total PCBs	**0.1**	1	0.075 U	0.075 U	0.069 U	0.07 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0075 U	0.0075 U	0.0069 U	0.007 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Alpha Endosulfan	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Beta Endosulfan	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Chlordane, Total	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
cis-Chlordane	0.094	4.2	0.0039 J	0.0075 U	0.0069 U	0.007 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Dieldrin	0.005	0.2	0.0041	0.0022 U	0.0021 U	0.0021 U
Endosulfan Sulfate	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Endrin	0.014	11	0.0075 U	0.0075 U	0.0069 U	0.007 U
Endrin Aldehyde	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Endrin Ketone	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Gamma Bhc (Lindane)	0.1	1.3	0.0022 U	0.0022 U	0.0021 U	0.0021 U
Heptachlor	0.042	2.1	0.0075 U	0.0075 U	0.0069 U	0.007 U
Heptachlor Epoxide	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
Methoxychlor	NS	NS	0.0075 U	0.0075 U	0.0069 U	0.007 U
P,P'-DDD	**0.0033**	13	0.0075 U	0.0075 U	0.0069 U	0.007 U
P,P'-DDE	**0.0033**	8.9	**0.0083**	0.0075 U	0.0069 U	0.007 U
P,P'-DDT	**0.0033**	7.9	**0.024**	0.0075 U	0.0069 U	0.007 U
Toxaphene	NS	NS	0.075 U	0.075 U	0.069 U	0.07 U
trans-Chlordane	NS	NS	0.0042 J	0.0075 U	0.0069 U	0.007 U

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-10_0-2_20200124	SB-10_19-21_20200124	SB-11_0-2_20200124	SB-11_19-21_20200124
		Laboratory Sample ID	460-201587-7	460-201587-8	460-201587-9	460-201587-10
		Date Sampled	1/24/2020 2:15:00 PM	1/24/2020 2:20:00 PM	1/24/2020 11:50:00 AM	1/24/2020 11:55:00 AM
		Dilution Factor	1	1	1	1
		Unit	mg/kg	mg/kg	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1221 (Aroclor 1221)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1232 (Aroclor 1232)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1242 (Aroclor 1242)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1248 (Aroclor 1248)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1254 (Aroclor 1254)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1260 (Aroclor 1260)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
PCB-1262 (Aroclor 1262)	NS	NS	0.082 U	0.069 U	0.14	0.075 U
PCB-1268 (Aroclor 1268)	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
Total PCBs	**0.1**	1	0.082 U	0.069 U	**0.14**	0.075 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0025 U	0.0021 U	0.0022 U	0.0022 U
Alpha Endosulfan	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0025 U	0.0021 U	0.0022 U	0.0022 U
Beta Endosulfan	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Chlordane, Total	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
cis-Chlordane	0.094	4.2	0.0082 U	0.0069 U	0.0066 JP	0.0075 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0025 U	0.0021 U	0.0022 U	0.0022 U
Dieldrin	0.005	0.2	0.0025 U	0.0021 U	0.0022 U	0.0022 U
Endosulfan Sulfate	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Endrin	0.014	11	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Endrin Aldehyde	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Endrin Ketone	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Gamma Bhc (Lindane)	0.1	1.3	0.0025 U	0.0021 U	0.0022 U	0.0022 U
Heptachlor	0.042	2.1	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Heptachlor Epoxide	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
Methoxychlor	NS	NS	0.0082 U	0.0069 U	0.0074 U	0.0075 U
P,P'-DDD	**0.0033**	13	0.0082 U	0.0069 U	**0.02**	0.0075 U
P,P'-DDE	**0.0033**	8.9	0.0082 U	0.0069 U	**0.018**	0.0075 U
P,P'-DDT	**0.0033**	7.9	0.0082 U	0.0069 U	**0.033**	0.0075 U
Toxaphene	NS	NS	0.082 U	0.069 U	0.074 U	0.075 U
trans-Chlordane	NS	NS	0.0082 U	0.0069 U	0.0051 JP	0.0075 U

Table 5
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Polychlorinated Biphenyl (PCBs) and Pesticides

		AKRF Sample ID	SB-12_0-2_20200123	SB-12_18-20_20200124
		Laboratory Sample ID	460-201482-4	460-201587-11
		Date Sampled	1/23/2020 11:40:00 AM	1/24/2020 7:30:00 AM
		Dilution Factor	1	1
		Unit	mg/kg	mg/kg
PCBs	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	NS	0.077 U	0.069 U
PCB-1221 (Aroclor 1221)	NS	NS	0.077 U	0.069 U
PCB-1232 (Aroclor 1232)	NS	NS	0.077 U	0.069 U
PCB-1242 (Aroclor 1242)	NS	NS	0.077 U	0.069 U
PCB-1248 (Aroclor 1248)	NS	NS	0.077 U	0.069 U
PCB-1254 (Aroclor 1254)	NS	NS	0.077 U	0.069 U
PCB-1260 (Aroclor 1260)	NS	NS	0.077 U	0.069 U
PCB-1262 (Aroclor 1262)	NS	NS	0.077 U	0.069 U
PCB-1268 (Aroclor 1268)	NS	NS	0.077 U	0.069 U
Total PCBs	**0.1**	1	0.077 U	0.069 U
Pesticides	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q	CONC Q
Aldrin	0.005	0.097	0.0077 U	0.0069 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.0023 U	0.0021 U
Alpha Endosulfan	NS	NS	0.0077 U	0.0069 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.0023 U	0.0021 U
Beta Endosulfan	NS	NS	0.0077 U	0.0069 U
Chlordane, Total	NS	NS	0.077 U	0.069 U
cis-Chlordane	0.094	4.2	0.0077 U	0.0069 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.0023 U	0.0021 U
Dieldrin	0.005	0.2	0.0023 U	0.0021 U
Endosulfan Sulfate	NS	NS	0.0077 U	0.0069 U
Endrin	0.014	11	0.0077 U	0.0069 U
Endrin Aldehyde	NS	NS	0.0077 U	0.0069 U
Endrin Ketone	NS	NS	0.0077 U	0.0069 U
Gamma Bhc (Lindane)	0.1	1.3	0.0023 U	0.0021 U
Heptachlor	0.042	2.1	0.0077 U	0.0069 U
Heptachlor Epoxide	NS	NS	0.0077 U	0.0069 U
Methoxychlor	NS	NS	0.0077 U	0.0069 U
P,P'-DDD	**0.0033**	13	0.0077 U	0.0069 U
P,P'-DDE	**0.0033**	8.9	0.0077 U	0.0069 U
P,P'-DDT	**0.0033**	7.9	0.0077 U	0.0069 U
Toxaphene	NS	NS	0.077 U	0.069 U
trans-Chlordane	NS	NS	0.0077 U	0.0069 U

Table 6
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Analytical Results of Per- and Polyfluoroalkyl Substances (PFAS)

		AKRF Sample ID	SB-12_18-20_20200124
		Laboratory Sample ID	200-52390-1
		Date Sampled	1/24/2020 7:30:00 AM
		Unit	µg/kg
		Dilution Factor	1
Compound	**NYSDEC UUSCO**	**NYSDEC RRSCO**	CONC Q
6:2 Fluorotelomer sulfonate	NS	NS	2.02 U
8:2 Fluorotelomer sulfonate	NS	NS	2.02 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	NS	2.02 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	NS	2.02 U
Perfluorobutanesulfonic acid	NS	NS	0.017 BJ
Perfluorobutanoic acid	NS	NS	0.51 U
Perfluorodecanesulfonic acid	NS	NS	0.2 U
Perfluorodecanoic acid	NS	NS	0.2 U
Perfluorododecanoic acid	NS	NS	0.018 J
Perfluoroheptanesulfonic acid	NS	NS	0.2 U
Perfluoroheptanoic acid	NS	NS	0.2 U
Perfluorohexanesulfonic acid	NS	NS	0.026 BJ
Perfluorohexanoic acid	NS	NS	0.2 U
Perfluorononanoic acid	NS	NS	0.2 U
Perfluorooctanesulfonic acid	NS	NS	0.2 U
Perfluorooctanoic acid	NS	NS	0.033 BJ
Perfluoropentanoic acid	NS	NS	0.034 J
Perfluorotetradecanoic acid	NS	NS	0.019 J
Perfluorotridecanoic acid	NS	NS	0.015 J
Perfluoroundecanoic acid	NS	NS	0.024 J
Perfluroroctanesulfonamide	NS	NS	0.011 J

Table 7
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of VOCs

	AKRF Sample ID	MW-01_20200127	MW-02_20200124	MW-03_20200128	MW-04_20200127
	Laboratory Sample ID	460-201730-1	460-201595-1	460-201818-2	460-201730-2
	Date Sampled	1/27/2020 11:50:00 AM	1/24/2020 4:30:00 PM	1/28/2020 9:40:00 AM	1/27/2020 4:20:00 PM
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,1,1-Trichloroethane	5	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	5	1 U	1 U	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	5	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	0.04	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	1 U	1 U	1 U	1 U
1,4-Dioxane (P-Dioxane)	NS	28 U	28 U	28 U	28 U
2-Hexanone	50	5 U	5 U	5 U	5 U
Acetone	50	5 U	5 U	5 U	5 U
Benzene	1	1 U	1 U	1 U	1 U
Bromochloromethane	5	1 U	1 U	1 U	1 U
Bromodichloromethane	50	1 U	0.46 J	1 U	1 U
Bromoform	50	1 U	1 U	1 U	1 U
Bromomethane	5	1 U	1 U	1 U	1 U
Carbon Disulfide	60	1 U	1 U	1 U	1 U
Carbon Tetrachloride	5	1 UT	1 U	1 U	1 UT
Chlorobenzene	5	1 U	1 U	1 U	1 U
Chloroethane	5	1 U	1 U	1 U	1 U
Chloroform	**7**	**9**	**11**	**14**	2.2
Chloromethane	5	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	1 U	1.6	0.92 J	1 U
Cis-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U
Cyclohexane	NS	1 U	1 U	1 U	1 U
Dibromochloromethane	50	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	5	1 U	1 U	1 U	1 U
Ethylbenzene	5	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	5	1 U	1 U	1 U	1 U
M,P-Xylenes	5	1 U	1 U	1 U	1 U
Methyl Acetate	NS	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	50	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	5 U	5 U	5 U	5 U
Methylcyclohexane	NS	1 U	1 U	1 U	1 U
Methylene Chloride	5	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	5	1 U	1 U	1 U	1 U
Styrene	5	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	**5**	**44**	**29**	**22**	**35**
Toluene	5	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	NS	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	1.7	2.5	1.9	2
Trichlorofluoromethane	5	1 U	1 U	1 U	1 U
Vinyl Chloride	2	1 U	1 U	1 U	1 U

Table 8
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of SVOCs

	AKRF Sample ID	MW-01_20200127	MW-02_20200124	MW-03_20200128	MW-04_20200127
	Laboratory Sample ID	460-201730-1	460-201595-1	460-201818-2	460-201730-2
	Date Sampled	1/27/2020 11:50:00 AM	1/24/2020 4:30:00 PM	1/28/2020 9:40:00 AM	1/27/2020 4:20:00 PM
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
1,2,4,5-Tetrachlorobenzene	5	10 U	10 U	10 U	10 U
1,4-Dioxane (P-Dioxane) - Selective ion monitorin	NS	NT	0.16 J	NT	NT
2,3,4,6-Tetrachlorophenol	NS	10 U	10 U	10 U	10 U
2,4,5-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4,6-Trichlorophenol	NS	10 U	10 U	10 U	10 U
2,4-Dichlorophenol	5	10 U	10 U	10 U	10 U
2,4-Dimethylphenol	50	10 U	10 U	10 U	10 U
2,4-Dinitrophenol	10	20 U	20 U	20 U	20 U
2,4-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2,6-Dinitrotoluene	5	2 U	2 U	2 U	2 U
2-Chloronaphthalene	10	10 U	10 U	10 U	10 U
2-Chlorophenol	NS	10 U	10 U	10 U	10 U
2-Methylnaphthalene	NS	10 U	10 U	10 U	10 U
2-Methylphenol (O-Cresol)	NS	10 U	10 U	10 U	10 U
2-Nitroaniline	5	10 U	10 U	10 U	10 U
2-Nitrophenol	NS	10 U	10 U	10 U	10 U
3,3'-Dichlorobenzidine	5	10 U	10 U	10 UT	10 U
3-Nitroaniline	5	10 U	10 U	10 U	10 U
4,6-Dinitro-2-Methylphenol	NS	20 U	20 U	20 U	20 U
4-Bromophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Chloro-3-Methylphenol	NS	10 U	10 U	10 U	10 U
4-Chloroaniline	5	10 U	10 U	10 UT	10 U
4-Chlorophenyl Phenyl Ether	NS	10 U	10 U	10 U	10 U
4-Methylphenol (P-Cresol)	NS	10 U	10 U	10 U	10 U
4-Nitroaniline	5	10 U	10 U	10 U	10 U
4-Nitrophenol	NS	20 U	20 U	20 U	20 U
Acenaphthene	20	10 U	10 U	10 U	10 U
Acenaphthylene	NS	10 U	10 U	10 U	10 U
Acetophenone	NS	10 U	10 U	10 U	10 U
Anthracene	50	10 U	10 U	10 U	10 U
Atrazine	7.5	2 U	2 U	2 UT	2 U
Benzaldehyde	NS	10 U	10 UT	10 UT	10 U
Benzo(a)Anthracene	0.002	1 U	1 U	1 U	1 U
Benzo(a)Pyrene	ND	1 U	1 U	1 U	1 U
Benzo(b)Fluoranthene	0.002	2 U	2 U	2 U	2 U
Benzo(g,h,i)Perylene	NS	10 U	10 U	10 U	10 U
Benzo(k)Fluoranthene	0.002	1 U	1 U	1 U	1 U
Benzyl Butyl Phthalate	50	10 U	10 U	10 U	10 U
Biphenyl (Diphenyl)	5	10 U	10 U	10 U	10 U
Bis(2-Chloroethoxy) Methane	5	10 U	10 U	10 U	10 U
Bis(2-Chloroethyl) Ether (2-Chloroethyl Ether)	1	1 U	1 U	1 U	1 U
Bis(2-Chloroisopropyl) Ether	5	10 U	10 U	10 U	10 U
Bis(2-Ethylhexyl) Phthalate	5	2 U	2 U	2 U	2 U
Caprolactam	NS	10 U	10 U	10 UT	10 U
Carbazole	NS	10 U	10 U	10 U	10 U
Chrysene	0.002	2 U	2 U	2 U	2 U
Dibenz(a,h)Anthracene	NS	1 U	1 U	1 U	1 U
Dibenzofuran	NS	10 U	10 U	10 U	10 U
Diethyl Phthalate	50	10 U	10 U	10 U	10 U
Dimethyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Butyl Phthalate	50	10 U	10 U	10 U	10 U
Di-N-Octylphthalate	50	10 U	10 U	10 U	10 U
Fluoranthene	50	10 U	10 U	10 U	10 U
Fluorene	50	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	1 U	1 U	1 U	1 U
Hexachlorobutadiene	0.5	1 U	1 U	1 U	1 U
Hexachlorocyclopentadiene	5	10 U	10 U	10 U	10 U
Hexachloroethane	5	2 U	2 U	2 U	2 U
Indeno(1,2,3-c,d)Pyrene	0.002	2 U	2 U	2 U	2 U
Isophorone	50	10 U	10 U	10 U	10 U
Naphthalene	10	10 U	10 U	10 U	10 U
Nitrobenzene	0.4	1 U	1 U	1 U	1 U
N-Nitrosodi-N-Propylamine	NS	1 U	1 U	1 U	1 U
N-Nitrosodiphenylamine	50	10 U	10 U	10 U	10 U
Pentachlorophenol	NS	20 U	20 U	20 U	20 U
Phenanthrene	50	10 U	10 U	10 U	10 U
Phenol	1	10 UT	10 UT	10 UT	10 UT
Pyrene	50	10 U	10 U	10 U	10 U

Table 9
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of Total and Dissolved Metals

	AKRF Sample ID	MW-01_20200127	MW-01_20200127	MW-02_20200124	MW-02_20200124
	Laboratory Sample ID	460-201730-1	460-201730-1	460-201595-1	460-201595-1
	Date Sampled	1/27/2020 11:50:00 AM	1/27/2020 11:50:00 AM	1/24/2020 4:30:00 PM	1/24/2020 4:30:00 PM
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	2	1	2
Total Metals	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	127	NR	192
Antimony	3	NR	1.1 J	NR	0.46 J
Arsenic	25	NR	2 U	NR	2 U
Barium	1,000	NR	102	NR	72.8
Beryllium	3	NR	0.8 U	NR	0.8 U
Cadmium	5	NR	2 U	NR	2 U
Calcium	NS	NR	68,400	NR	49,500
Chromium, Total	50	NR	4 U	NR	3.1 J
Cobalt	NS	NR	4 U	NR	1.7 J
Copper	200	NR	4 U	NR	8.4
Iron	**300**	NR	258	NR	**681**
Lead	25	NR	0.75 J	NR	0.95 J
Magnesium	35,000	NR	27,400	NR	13,200
Manganese	**300**	NR	**538**	NR	**793**
Mercury	0.7	0.2 U	NT	0.2 U	NT
Nickel	100	NR	5.4	NR	4.3
Potassium	NS	NR	6,130	NR	4,680
Selenium	10	NR	10 U	NR	10 U
Silver	50	NR	2 U	NR	2 U
Sodium	**20,000**	NR	**63,700**	NR	**57,000**
Thallium	0.5	NR	0.8 U	NR	0.8 U
Vanadium	NS	NR	4 U	NR	4 U
Zinc	2,000	NR	16 U	NR	16.5
Dissolved Metals	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	40 U	NR	40 U
Antimony	3	NR	0.76 J	NR	2 U
Arsenic	25	NR	2 U	NR	2 U
Barium	1,000	NR	103	NR	81.2
Beryllium	3	NR	0.8 U	NR	0.8 U
Cadmium	5	NR	2 U	NR	2 U
Calcium	NS	NR	86,100	NR	73,600
Chromium, Total	50	NR	4 U	NR	4 U
Cobalt	NS	NR	4 U	NR	1.6 JT
Copper	200	NR	4 U	NR	4 U
Iron	300	NR	120 U	NR	120 U
Lead	25	NR	1.2 U	NR	1.2 U
Magnesium	35,000	NR	28,500	NR	14,700
Manganese	**300**	NR	**536**	NR	**866**
Mercury	0.7	0.2 U	NT	0.2 U	NT
Nickel	100	NR	5	NR	3.6 J
Potassium	NS	NR	5,990	NR	5,580
Selenium	10	NR	10 U	NR	10 U
Silver	50	NR	2 U	NR	2 U
Sodium	**20,000**	NR	**66,200**	NR	**63,000**
Thallium	0.5	NR	0.8 U	NR	0.8 U
Vanadium	NS	NR	4 U	NR	4 U
Zinc	2,000	NR	16 U	NR	16 U

Table 9
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of Total and Dissolved Metals

	AKRF Sample ID	MW-03_20200128	MW-03_20200128	MW-04_20200127	MW-04_20200127
	Laboratory Sample ID	460-201818-2	460-201818-2	460-201730-2	460-201730-2
	Date Sampled	1/28/2020 9:40:00 AM	1/28/2020 9:40:00 AM	1/27/2020 4:20:00 PM	1/27/2020 4:20:00 PM
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	2	1	2
Total Metals	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	178	NR	36.3 J
Antimony	3	NR	2 U	NR	2 U
Arsenic	25	NR	2 U	NR	2 U
Barium	1,000	NR	59.8	NR	93.4
Beryllium	3	NR	0.8 U	NR	0.8 U
Cadmium	5	NR	2 U	NR	2 U
Calcium	NS	NR	62,800	NR	62,300
Chromium, Total	50	NR	2.3 J	NR	4 U
Cobalt	NS	NR	4 U	NR	4 U
Copper	200	NR	3 J	NR	2.3 J
Iron	**300**	NR	**422**	NR	62.8 J
Lead	25	NR	1.2 U	NR	0.63 J
Magnesium	35,000	NR	19,800	NR	21,100
Manganese	**300**	NR	**537**	NR	**407**
Mercury	0.7	0.2 U	NT	0.2 U	NT
Nickel	100	NR	4.5	NR	4
Potassium	NS	NR	3,640	NR	4,630
Selenium	10	NR	10 U	NR	10 U
Silver	50	NR	2 U	NR	2 U
Sodium	**20,000**	NR	**84,700**	NR	**116,000**
Thallium	0.5	NR	0.8 U	NR	0.8 U
Vanadium	NS	NR	4 U	NR	1.4 J
Zinc	2,000	NR	16 U	NR	16 U
Dissolved Metals	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aluminum	NS	NR	40 U	NR	40 U
Antimony	3	NR	2 U	NR	2 U
Arsenic	25	NR	2 U	NR	2 U
Barium	1,000	NR	59.2	NR	96.4
Beryllium	3	NR	0.8 U	NR	0.8 U
Cadmium	5	NR	2 U	NR	2 U
Calcium	NS	NR	65,900	NR	72,900
Chromium, Total	50	NR	4 U	NR	4 U
Cobalt	NS	NR	4 U	NR	4 U
Copper	200	NR	4 U	NR	4 U
Iron	300	NR	120 U	NR	120 U
Lead	25	NR	1.2 U	NR	1.2 U
Magnesium	35,000	NR	20,400	NR	21,500
Manganese	**300**	NR	**488**	NR	**426**
Mercury	0.7	0.2 U	NT	0.2 U	NT
Nickel	100	NR	3.1 J	NR	3.7 J
Potassium	NS	NR	3,560	NR	4,770
Selenium	10	NR	10 U	NR	10 U
Silver	50	NR	2 U	NR	2 U
Sodium	**20,000**	NR	**85,400**	NR	**118,000**
Thallium	0.5	NR	0.8 U	NR	0.8 U
Vanadium	NS	NR	4 U	NR	1.3 J
Zinc	2,000	NR	16 U	NR	16 U

Table 10
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of PCBs and Pesticides

	AKRF Sample ID	MW-01_20200127	MW-02_20200124	MW-03_20200128	MW-04_20200127
	Laboratory Sample ID	460-201730-1	460-201595-1	460-201818-2	460-201730-2
	Date Sampled	1/27/2020 11:50:00 AM	1/24/2020 4:30:00 PM	1/28/2020 9:40:00 AM	1/27/2020 4:20:00 PM
	Unit	µg/L	µg/L	µg/L	µg/L
	Dilution Factor	1	1	1	1
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
PCB-1016 (Aroclor 1016)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1221 (Aroclor 1221)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1232 (Aroclor 1232)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1242 (Aroclor 1242)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1248 (Aroclor 1248)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1254 (Aroclor 1254)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1260 (Aroclor 1260)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1262 (Aroclor 1262)	NS	0.4 U	0.4 U	0.4 U	0.4 U
PCB-1268 (Aroclor 1268)	NS	0.4 U	0.4 U	0.4 U	0.4 U
Total PCBs	0.09	0.4 U	0.4 U	0.4 U	0.4 U
Compound	**AWQSGV**	CONC Q	CONC Q	CONC Q	CONC Q
Aldrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	NS	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	NS	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	ND	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	0.5 U	0.5 U	0.5 U	0.5 U

Table 11
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Groundwater Analytical Results of PFAS

	AKRF Sample ID	MW-02_20200124
	Laboratory Sample ID	200-52390-2
	Date Sampled	1/24/2020 4:30:00 PM
	Unit	ng/l
	Dilution Factor	1
Compound	**AWQSGV**	CONC Q
6:2 Fluorotelomer sulfonate	NS	17.8 U
8:2 Fluorotelomer sulfonate	NS	17.8 U
N-ethyl perfluorooctanesulfonamidoacetic acid	NS	17.8 U
N-methyl perfluorooctanesulfonamidoacetic acid	NS	17.8 U
Perfluorobutanesulfonic acid	NS	2.91
Perfluorobutanoic acid	NS	4.58
Perfluorodecanesulfonic acid	NS	1.78 U
Perfluorodecanoic acid	NS	1.78 U
Perfluorododecanoic acid	NS	1.78 U
Perfluoroheptanesulfonic acid	NS	1.78 U
Perfluoroheptanoic acid	NS	6.22
Perfluorohexanesulfonic acid	NS	3.05
Perfluorohexanoic acid	NS	7.71
Perfluorononanoic acid	NS	1.22 J
Perfluorooctanesulfonic acid	NS	9.44
Perfluorooctanoic acid	NS	24.3
Perfluoropentanoic acid	NS	7.71
Perfluorotetradecanoic acid	NS	1.78 U
Perfluorotridecanoic acid	NS	1.78 U
Perfluoroundecanoic acid	NS	1.78 U
Perfluroroctanesulfonamide	NS	8.9 U

Table 12
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Vapor Analytical Results of VOCs

		AKRF Sample ID	SV-01_20200124	SV-02_20200121	SV-02_20200121	SV-03_20200124	SV-03_20200124
		Laboratory Sample ID	200-52391-1	200-52315-2	200-52315-2	200-52391-2	200-52391-2
		Date Sampled	1/24/2020 10:10:00 AM	1/21/2020 5:00:00 AM	1/21/2020 5:00:00 AM	1/24/2020 12:30:00 PM	1/24/2020 12:30:00 PM
		Dilution Factor	1	1	4	260	1,270
		Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Compound	**NYSDOH AGVs**	**NYSDOH Matrix**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	NS	1,000	1.1 U	1.1 U	NT	280 U	NT
1,1,2,2-Tetrachloroethane	NS	NS	1.4 U	1.4 U	NT	360 U	NT
1,1,2-Trichloroethane	NS	NS	0.48 J	1.1 U	NT	280 U	NT
1,1-Dichloroethane	NS	NS	0.81 U	0.81 U	NT	210 U	NT
1,1-Dichloroethene	NS	60.	0.2 U	0.2 U	NT	52 U	NT
1,2,4-Trimethylbenzene	NS	NS	2.6	1.3	NT	850	NT
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.5 U	1.5 U	NT	400 U	NT
1,2-Dichlorobenzene	NS	NS	1.2 U	1.2 U	NT	310 U	NT
1,2-Dichloroethane	NS	NS	0.81 U	0.81 U	NT	210 U	NT
1,2-Dichloropropane	NS	NS	0.92 U	0.92 U	NT	240 U	NT
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	1	0.97 J	NT	920	NT
1,3-Butadiene	NS	NS	0.92	0.6	NT	120 U	NT
1,3-Dichlorobenzene	NS	NS	1.2 U	1.2 U	NT	310 U	NT
1,4-Dichlorobenzene	NS	NS	1.2 U	1.2 U	NT	310 U	NT
2,2,4-Trimethylpentane	NS	NS	6.1	33	NT	18,000	NT
2-Chlorotoluene	NS	NS	1 U	1 U	NT	270 U	NT
2-Hexanone	NS	NS	12	2 U	NT	530 U	NT
4-Ethyltoluene	NS	NS	1	0.54 J	NT	730	NT
Acetone	NS	NS	20	43	NT	3,100 U	NT
Allyl Chloride (3-Chloropropene)	NS	NS	1.6 U	1.6 U	NT	410 U	NT
Benzene	NS	NS	4.3	9.7	NT	2,800	NT
Benzyl Chloride	NS	NS	1 U	1 U	NT	270 U	NT
Bromodichloromethane	NS	NS	1.3 U	1.3 U	NT	350 U	NT
Bromoform	NS	NS	2.1 U	2.1 U	NT	540 U	NT
Bromomethane	NS	NS	0.78 U	0.78 U	NT	200 U	NT
Carbon Disulfide	NS	NS	3	2.2	NT	400 U	NT
Carbon Tetrachloride	NS	NS	0.48	0.34	NT	57 U	NT
Chlorobenzene	NS	NS	0.92 U	0.92 U	NT	240 U	NT
Chloroethane	NS	NS	1.3 U	1.3 U	NT	340 U	NT
Chloroform	NS	NS	26	3.1	NT	250 U	NT
Chloromethane	NS	NS	0.84 J	0.89 J	NT	270 U	NT
Cis-1,2-Dichloroethylene	NS	60.	0.2 U	0.2 U	NT	52 U	NT
Cis-1,3-Dichloropropene	NS	NS	0.91 U	0.91 U	NT	240 U	NT
Cyclohexane	NS	NS	3.2	42	NT	NR	43,000 D
Cymene	NS	NS	0.24 J	1.1 U	NT	290 U	NT
Dibromochloromethane	NS	NS	1.7 U	1.7 U	NT	440 U	NT
Dichlorodifluoromethane	NS	NS	14	NR	360 D	640 U	NT
Ethylbenzene	NS	NS	5	2.1	NT	5,500	NT
Hexachlorobutadiene	NS	NS	2.1 U	2.1 U	NT	550 U	NT
Isopropanol	NS	NS	2.6 J	3.4 J	NT	3,200 U	NT
Isopropylbenzene (Cumene)	NS	NS	0.58 J	0.75 J	NT	970	NT
M,P-Xylenes	NS	NS	16	8.9	NT	30,000	NT
Methyl Ethyl Ketone (2-Butanone)	NS	NS	60	8.6	NT	380 U	NT
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	2 U	2 U	NT	530 U	NT
Methylene Chloride	60	1,000	1.5 J	4.7	NT	450 U	NT
Naphthalene	NS	NS	2.6 U	2.6 U	NT	680 U	NT
N-Butylbenzene	NS	NS	1.1 U	1.1 U	NT	290 U	NT
N-Heptane	NS	NS	20	75	NT	NR	120,000 D
N-Hexane	NS	NS	17	30	NT	NR	130,000 D
N-Propylbenzene	NS	NS	0.88 J	0.58 J	NT	560	NT
O-Xylene (1,2-Dimethylbenzene)	NS	NS	5.7	3.5	NT	7,000	NT
Sec-Butylbenzene	NS	NS	1.1 U	1.1 U	NT	51 J	NT
Styrene	NS	NS	0.85 U	0.85 U	NT	220 U	NT
T-Butylbenzene	NS	NS	1.1 U	1.1 U	NT	290 U	NT
Tert-Butyl Alcohol	NS	NS	0.4 J	1.8 J	NT	3,900 U	NT
Tert-Butyl Methyl Ether	NS	NS	0.72 U	0.72 U	NT	190 U	NT
Tetrachloroethylene (PCE)	**30**	1,000	7.3	11	NT	350 U	NT
Tetrahydrofuran	NS	NS	0.47 J	1.5 J	NT	3,800 U	NT
Toluene	NS	NS	30	14	NT	22,000	NT
Trans-1,2-Dichloroethene	NS	NS	0.79 U	0.79 U	NT	210 U	NT
Trans-1,3-Dichloropropene	NS	NS	0.91 U	0.91 U	NT	240 U	NT
Trichloroethylene (TCE)	**2**	60	0.42	0.2 U	NT	52 U	NT
Trichlorofluoromethane	NS	NS	1.5	2.3	NT	290 U	NT
Vinyl Bromide	NS	NS	0.87 U	0.32 J	NT	230 U	NT
Vinyl Chloride	NS	60	0.2 U	0.66	NT	52 U	NT

Table 12
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Vapor Analytical Results of VOCs

		AKRF Sample ID	SV-04_20200124	SV-04_20200124	SV-05_20200121	SV-05_20200121	SV-06_20200124
		Laboratory Sample ID	200-52391-3	200-52391-3	200-52315-1	200-52315-1	200-52391-4
		Date Sampled	1/24/2020 10:30:00 AM	1/24/2020 10:30:00 AM	1/21/2020 4:40:00 AM	1/21/2020 4:40:00 AM	1/24/2020 10:50:00 AM
		Dilution Factor	1	20	1	4	1
		Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Compound	**NYSDOH AGVs**	**NYSDOH Matrix**	Conc Q	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	NS	1,000	1.1 U	NT	1.1 U	NT	1.1 U
1,1,2,2-Tetrachloroethane	NS	NS	0.55 J	NT	2.1	NT	1.4 U
1,1,2-Trichloroethane	NS	NS	1.1 U	NT	1.1 U	NT	1.1 U
1,1-Dichloroethane	NS	NS	0.63 J	NT	0.81 U	NT	0.81 U
1,1-Dichloroethene	NS	60.	0.2 U	NT	0.2 U	NT	0.2 U
1,2,4-Trimethylbenzene	NS	NS	12	NT	NR	360 D	1
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.5 U	NT	1.5 U	NT	1.5 U
1,2-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	NT	1.2 U
1,2-Dichloroethane	NS	NS	0.81 U	NT	0.81 U	NT	0.81 U
1,2-Dichloropropane	NS	NS	0.92 U	NT	0.92 U	NT	0.92 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	5.3	NT	150	NT	0.34 J
1,3-Butadiene	NS	NS	NR	120 D	1.8	NT	0.73
1,3-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	NT	1.2 U
1,4-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	NT	1.2 U
2,2,4-Trimethylpentane	NS	NS	NR	290 D	NR	380 D	2.3
2-Chlorotoluene	NS	NS	1 U	NT	1 U	NT	1 U
2-Hexanone	NS	NS	33	NT	3.2	NT	2 U
4-Ethyltoluene	NS	NS	5.8	NT	37	NT	0.33 J
Acetone	NS	NS	NR	110 DJ	NR	85 D	12
Allyl Chloride (3-Chloropropene)	NS	NS	1.6 U	NT	1.6 U	NT	1.6 U
Benzene	NS	NS	51	NT	4	NT	1.7
Benzyl Chloride	NS	NS	1 U	NT	1 U	NT	1 U
Bromodichloromethane	NS	NS	1.3 U	NT	1.3 U	NT	1.3 U
Bromoform	NS	NS	2.1 U	NT	2.1 U	NT	2.1 U
Bromomethane	NS	NS	0.78 U	NT	0.78 U	NT	0.78 U
Carbon Disulfide	NS	NS	15	NT	11	NT	1.6 U
Carbon Tetrachloride	NS	NS	0.25	NT	1.1	NT	0.41
Chlorobenzene	NS	NS	0.92 U	NT	0.92 U	NT	0.92 U
Chloroethane	NS	NS	0.42 J	NT	1.3 U	NT	1.3 U
Chloroform	NS	NS	0.19 J	NT	27	NT	0.22 J
Chloromethane	NS	NS	3.6	NT	0.34 J	NT	1.2
Cis-1,2-Dichloroethylene	NS	60.	2.3	NT	0.2 U	NT	0.2 U
Cis-1,3-Dichloropropene	NS	NS	0.91 U	NT	0.91 U	NT	0.91 U
Cyclohexane	NS	NS	62	NT	20	NT	0.83
Cymene	NS	NS	0.42 J	NT	7.9	NT	1.1 U
Dibromochloromethane	NS	NS	1.7 U	NT	1.7 U	NT	1.7 U
Dichlorodifluoromethane	NS	NS	4	NT	190	NT	2 J
Ethylbenzene	NS	NS	41	NT	42	NT	1
Hexachlorobutadiene	NS	NS	2.1 U	NT	2.1 U	NT	2.1 U
Isopropanol	NS	NS	3.7 J	NT	17	NT	3.7 J
Isopropylbenzene (Cumene)	NS	NS	4.3	NT	25	NT	0.18 J
M,P-Xylenes	NS	NS	110	NT	190	NT	3.3
Methyl Ethyl Ketone (2-Butanone)	NS	NS	98	NT	22	NT	3.9
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	21	NT	2 U	NT	2 U
Methylene Chloride	60	1,000	4	NT	1.7 U	NT	1 J
Naphthalene	NS	NS	2.6 U	NT	12	NT	2.6 U
N-Butylbenzene	NS	NS	0.49 J	NT	12	NT	1.1 U
N-Heptane	NS	NS	160	NT	27	NT	2.3
N-Hexane	NS	NS	NR	240 D	6.8	NT	2.4
N-Propylbenzene	NS	NS	5.7	NT	46	NT	0.25 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	46	NT	NR	190 D	1.2
Sec-Butylbenzene	NS	NS	0.82 J	NT	18	NT	1.1 U
Styrene	NS	NS	0.85 U	NT	0.85 U	NT	0.85 U
T-Butylbenzene	NS	NS	1.1 U	NT	0.28 J	NT	1.1 U
Tert-Butyl Alcohol	NS	NS	6 J	NT	3.9 J	NT	0.23 J
Tert-Butyl Methyl Ether	NS	NS	0.72 U	NT	0.72 U	NT	0.72 U
Tetrachloroethylene (PCE)	**30**	1,000	14	NT	**37**	NT	1.2 J
Tetrahydrofuran	NS	NS	15 U	NT	3.7 J	NT	0.3 J
Toluene	NS	NS	NR	310 D	40	NT	5.9
Trans-1,2-Dichloroethene	NS	NS	0.79 U	NT	0.79 U	NT	0.79 U
Trans-1,3-Dichloropropene	NS	NS	0.91 U	NT	0.91 U	NT	0.91 U
Trichloroethylene (TCE)	**2**	60	**2.5**	NT	0.23	NT	0.2 U
Trichlorofluoromethane	NS	NS	1.9	NT	9.2	NT	1.2
Vinyl Bromide	NS	NS	0.87 U	NT	0.87 U	NT	0.87 U
Vinyl Chloride	NS	60	1.4	NT	0.2 U	NT	0.2 U

Table 12
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Soil Vapor Analytical Results of VOCs

		AKRF Sample ID	SV-07_20200124	SV-07_20200124	SV-08_20200124	SV-09_20200124
		Laboratory Sample ID	200-52391-5	200-52391-5	200-52391-6	200-52391-7
		Date Sampled	1/24/2020 1:11:00 PM	1/24/2020 1:11:00 PM	1/24/2020 12:58:00 PM	1/24/2020 1:15:00 PM
		Dilution Factor	1	10	1	1
		Unit	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Compound	**NYSDOH AGVs**	**NYSDOH Matrix**	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	NS	1,000	1.1 U	NT	1.1 U	0.66 J
1,1,2,2-Tetrachloroethane	NS	NS	1.4 U	NT	1.4 U	1.4 U
1,1,2-Trichloroethane	NS	NS	1.1 U	NT	1.1 U	1.1 U
1,1-Dichloroethane	NS	NS	0.81 U	NT	0.81 U	0.81 U
1,1-Dichloroethene	NS	60.	0.2 U	NT	0.2 U	0.2 U
1,2,4-Trimethylbenzene	NS	NS	33	NT	3.2	0.93 J
1,2-Dibromoethane (Ethylene Dibromide)	NS	NS	1.5 U	NT	1.5 U	1.5 U
1,2-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	1.2 U
1,2-Dichloroethane	NS	NS	0.81 U	NT	0.81 U	0.81 U
1,2-Dichloropropane	NS	NS	0.92 U	NT	0.92 U	0.92 U
1,3,5-Trimethylbenzene (Mesitylene)	NS	NS	34	NT	1.1	0.37 J
1,3-Butadiene	NS	NS	2.7	NT	25	1.9
1,3-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	1.2 U
1,4-Dichlorobenzene	NS	NS	1.2 U	NT	1.2 U	1.2 U
2,2,4-Trimethylpentane	NS	NS	41	NT	19	0.61 J
2-Chlorotoluene	NS	NS	1 U	NT	1 U	1 U
2-Hexanone	NS	NS	2 U	NT	9.5	0.4 J
4-Ethyltoluene	NS	NS	29	NT	1.5	0.45 J
Acetone	NS	NS	29	NT	19	22
Allyl Chloride (3-Chloropropene)	NS	NS	1.6 U	NT	1.6 U	1.6 U
Benzene	NS	NS	9.2	NT	8.7	1.5
Benzyl Chloride	NS	NS	1 U	NT	1 U	1 U
Bromodichloromethane	NS	NS	1.3 U	NT	1.3 U	1.3 U
Bromoform	NS	NS	2.1 U	NT	2.1 U	2.1 U
Bromomethane	NS	NS	0.78 U	NT	0.78 U	0.78 U
Carbon Disulfide	NS	NS	1.1 J	NT	4.1	1.6 U
Carbon Tetrachloride	NS	NS	0.38	NT	0.25	0.76
Chlorobenzene	NS	NS	0.92 U	NT	0.92 U	0.92 U
Chloroethane	NS	NS	1.3 U	NT	1.3 U	1.3 U
Chloroform	NS	NS	12	NT	0.99	7.5
Chloromethane	NS	NS	1 U	NT	1.7	0.97 J
Cis-1,2-Dichloroethylene	NS	60.	0.2 U	NT	0.2 U	0.25
Cis-1,3-Dichloropropene	NS	NS	0.91 U	NT	0.91 U	0.91 U
Cyclohexane	NS	NS	60	NT	6.9	0.53 J
Cymene	NS	NS	0.55 J	NT	1.1 U	1.1 U
Dibromochloromethane	NS	NS	1.7 U	NT	1.7 U	1.7 U
Dichlorodifluoromethane	NS	NS	NR	1,100 D	2.6	140
Ethylbenzene	NS	NS	160	NT	8.2	1.3
Hexachlorobutadiene	NS	NS	2.1 U	NT	2.1 U	2.1 U
Isopropanol	NS	NS	1.5 J	NT	12 U	1.6 J
Isopropylbenzene (Cumene)	NS	NS	35	NT	0.68 J	0.98 U
M,P-Xylenes	NS	NS	NR	940 D	26	4.7
Methyl Ethyl Ketone (2-Butanone)	NS	NS	5.6	NT	60	4.9
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NS	NS	2 U	NT	2 U	2 U
Methylene Chloride	60	1,000	2.3	NT	2.5	2.4
Naphthalene	NS	NS	2.6 U	NT	2.6 U	2.6 U
N-Butylbenzene	NS	NS	1.1 U	NT	1.1 U	1.1 U
N-Heptane	NS	NS	NR	380 D	24	3.4
N-Hexane	NS	NS	120	NT	29	2.5
N-Propylbenzene	NS	NS	26	NT	1.2	0.33 J
O-Xylene (1,2-Dimethylbenzene)	NS	NS	NR	210 D	7.2	1.2
Sec-Butylbenzene	NS	NS	1.9	NT	1.1 U	1.1 U
Styrene	NS	NS	0.85 U	NT	0.85 U	0.85 U
T-Butylbenzene	NS	NS	0.27 J	NT	1.1 U	1.1 U
Tert-Butyl Alcohol	NS	NS	0.73 J	NT	0.81 J	0.62 J
Tert-Butyl Methyl Ether	NS	NS	0.72 U	NT	0.72 U	0.72 U
Tetrachloroethylene (PCE)	**30**	1,000	7.9	NT	5.7	**94**
Tetrahydrofuran	NS	NS	15 U	NT	15 U	15 U
Toluene	NS	NS	NR	250 D	69	8.8
Trans-1,2-Dichloroethene	NS	NS	0.79 U	NT	0.79 U	0.79 U
Trans-1,3-Dichloropropene	NS	NS	0.91 U	NT	0.91 U	0.91 U
Trichloroethylene (TCE)	**2**	60	0.2 U	NT	0.2 U	**5.6**
Trichlorofluoromethane	NS	NS	6.2	NT	1.2	3.1
Vinyl Bromide	NS	NS	0.87 U	NT	0.87 U	0.87 U
Vinyl Chloride	NS	60	0.2 U	NT	0.2 U	0.2 U

Table 13
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
QA/QC Sample Analysis Results

Sample ID	TB-01_20200120	TB-01_20200122	TB-01_20200123	TB-01_20200124
Lab Sample ID	460-201296-1	460-201362-5	460-201482-1	460-201587-12
Date Sampled	1/20/2020 10:30:00 PM	1/22/2020 6:40:00 AM	1/23/2020 6:30:00 AM	1/24/2020 6:30:00 AM
Unit	ug/L	ug/L	ug/L	mg/kg
Dilution Factor	1	1	1	1
Compound	Conc Q	Conc Q	Conc Q	Conc Q
1,1,1-Trichloroethane	1 U	1 U	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U	1 U	1 UT
1,1,2-Trichloro-1,2,2-Trifluoroethane	1 U	1 U	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U	1 U	1 U
1,1-Dichloroethane	1 U	1 U	1 U	1 U
1,1-Dichloroethene	1 U	1 U	1 U	1 U
1,2,3-Trichlorobenzene	1 U	1 U	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U	1 U	1 U
1,2-Dibromo-3-Chloropropane	1 U	1 U	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U	1 U	1 U
1,2-Dichloroethane	1 U	1 U	1 U	1 U
1,2-Dichloropropane	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U	1 U	1 U
2-Hexanone	5 UT	5 UT	5 UT	5 U
Acetone	5 U	5 U	5 U	5 U
Benzene	1 U	1 U	1 U	1 U
Bromochloromethane	1 U	1 U	1 U	1 UT
Bromodichloromethane	1 U	1 U	1 U	1 UT
Bromoform	1 U	1 U	1 U	1 UT
Bromomethane	1 U	1 U	1 U	1 U
Carbon Disulfide	1 U	1 U	1 U	1 UT
Carbon Tetrachloride	1 U	1 U	1 U	1 U
Chlorobenzene	1 U	1 U	1 U	1 U
Chloroethane	1 U	1 U	1 U	1 U
Chloroform	0.9 J	1 U	1 U	1.2
Chloromethane	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	1 U	1 U	1 U	1 U
Cis-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Cyclohexane	1 U	1 U	1 U	1 U
Dibromochloromethane	1 U	1 U	1 U	1 U
Dichlorodifluoromethane	1 U	1 U	1 U	1 U
Ethylbenzene	1 U	1 U	1 U	1 U
Isopropylbenzene (Cumene)	1 U	1 U	1 U	1 U
M,P-Xylenes	1 U	1 U	1 U	1 U
Methyl Acetate	5 U	5 U	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	5 U	5 U	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	5 UT	5 UT	5 UT	5 U
Methylcyclohexane	1 U	1 U	1 U	1 U
Methylene Chloride	1 U	1 U	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	1 U	1 U	1 U	1 U
Styrene	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	1 U	1 U	1 U	1 U
Toluene	1 U	1 U	1 U	1 UT
Trans-1,2-Dichloroethene	1 U	1 U	1 U	1 U
Trans-1,3-Dichloropropene	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	1 U	1 U	1 U	1 U
Trichlorofluoromethane	1 UT	1 UT	1 UT	1 U

Table 13
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
QA/QC Sample Analysis Results

Sample ID	TB-01_20200127	TB-01_20200128
Lab Sample ID	460-201730-3	460-201818-1
Date Sampled	1/27/2020 9:00:00 AM	1/28/2020 8:00:00 AM
Unit	ug/L	ug/L
Dilution Factor	1	1
Compound	Conc Q	Conc Q
1,1,1-Trichloroethane	1 U	1 U
1,1,2,2-Tetrachloroethane	1 U	1 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	1 U	1 U
1,1,2-Trichloroethane	1 U	1 U
1,1-Dichloroethane	1 U	1 U
1,1-Dichloroethene	1 U	1 U
1,2,3-Trichlorobenzene	1 U	1 U
1,2,4-Trichlorobenzene	1 U	1 U
1,2-Dibromo-3-Chloropropane	1 U	1 U
1,2-Dibromoethane (Ethylene Dibromide)	1 U	1 U
1,2-Dichlorobenzene	1 U	1 U
1,2-Dichloroethane	1 U	1 U
1,2-Dichloropropane	1 U	1 U
1,3-Dichlorobenzene	1 U	1 U
1,4-Dichlorobenzene	1 U	1 U
2-Hexanone	5 U	5 U
Acetone	5 U	5 U
Benzene	1 UT	1 U
Bromochloromethane	1 U	1 U
Bromodichloromethane	1 U	1 U
Bromoform	1 U	1 U
Bromomethane	1 U	1 U
Carbon Disulfide	1 U	1 U
Carbon Tetrachloride	1 U	1 U
Chlorobenzene	1 U	1 U
Chloroethane	1 U	1 U
Chloroform	1.1	0.97 J
Chloromethane	1 UT	1 U
Cis-1,2-Dichloroethylene	1 U	1 U
Cis-1,3-Dichloropropene	1 U	1 U
Cyclohexane	1 U	1 U
Dibromochloromethane	1 U	1 U
Dichlorodifluoromethane	1 U	1 U
Ethylbenzene	1 U	1 U
Isopropylbenzene (Cumene)	1 U	1 U
M,P-Xylenes	1 U	1 U
Methyl Acetate	5 U	5 U
Methyl Ethyl Ketone (2-Butanone)	5 U	5 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	5 U	5 U
Methylcyclohexane	1 U	1 U
Methylene Chloride	1 U	1 U
O-Xylene (1,2-Dimethylbenzene)	1 U	1 U
Styrene	1 U	1 U
Tert-Butyl Methyl Ether	1 U	1 U
Tetrachloroethylene (PCE)	1 U	1 U
Toluene	1 U	1 U
Trans-1,2-Dichloroethene	1 U	1 U
Trans-1,3-Dichloropropene	1 U	1 U
Trichloroethylene (TCE)	1 U	1 U
Trichlorofluoromethane	1 U	1 U

Tables 2-13
1100 Myrtle Ave
Brooklyn, NY
Remedial Investigation Report
Notes

DEFINITIONS

D	:	Indicates an identified compound in an analysis that has been diluted. This flag alerts the data user to any differences between the concentrations reported in the two analyses.
J	:	The concentration given is an estimated value.
ND	:	The standard is a non-detectable concentration by the approved analytical method.
NR	:	Not reported.
NS	:	No standard.
NT	:	Not tested.
P	:	Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.
T	:	Indicates that a quality control parameter has exceeded laboratory limits.
U	:	The analyte was not detected at the indicated concentration.
mg/kg	:	milligrams per kilogram = parts per million (ppm)
ng/l	:	nanograms per Liter
µg/kg	:	micrograms per kilogram = parts per billion (ppb)
µg/L	:	micrograms per Liter
µg/m^3	:	micrograms per cubic meter of air

STANDARDS

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

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

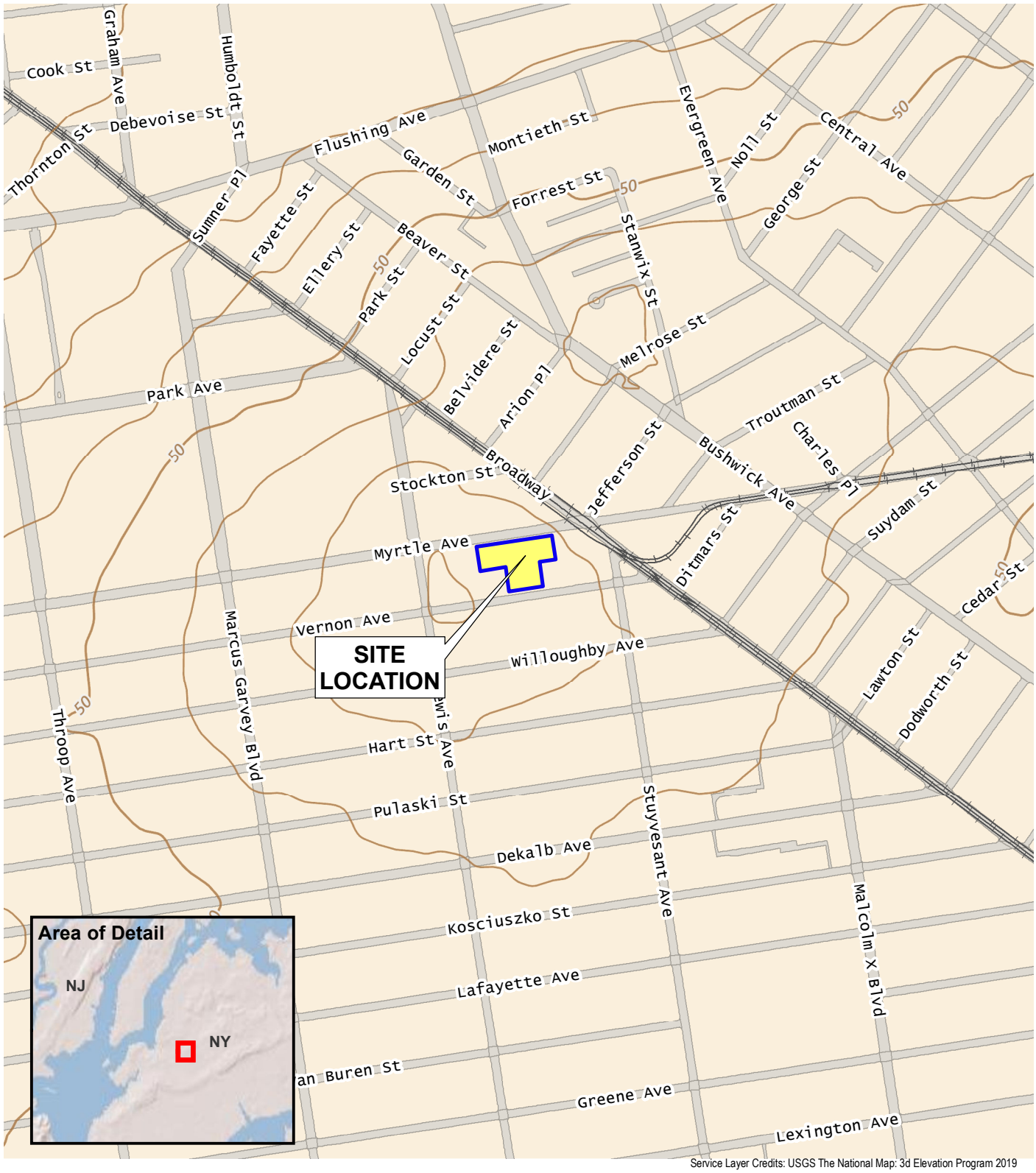
NYSDEC Class GA AWQSGVs	:	New York State Department of Environmental Conservation Technical and Operational Guidance Series (1.1.1): Class GA Ambient Water Quality Standards and Guidance Values (AWQSGVs).

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

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

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

FIGURES



Service Layer Credits: USGS The National Map: 3d Elevation Program 2019

0 600 1,200

SCALE IN FEET

AKRF

440 Park Avenue South, New York, NY 10016

1100 MYRTLE AVENUE
Brooklyn, New York

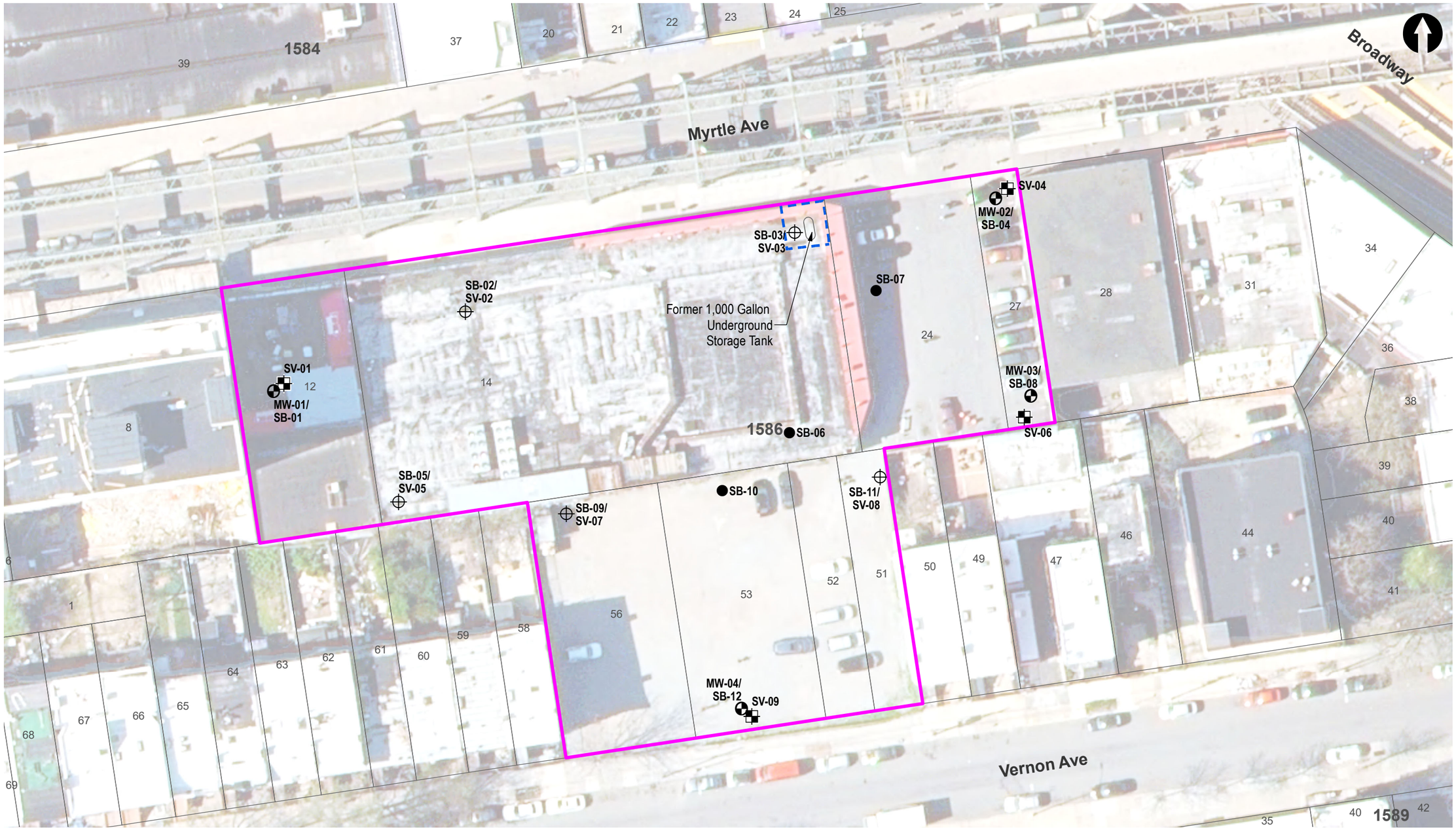
SITE LOCATION

DATE
3/29/2020

PROJECT NO.
190458

FIGURE
1

©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\190458 Fig 1 site loc map.mxd 3/29/2020 10:41:26 AM mvelleux



LEGEND

- PROJECT SITE BOUNDARY
- 14 — LOT BOUNDARY AND TAX LOT NUMBER
- 1586 — BLOCK NUMBER
- EXISTING PARTIAL CELLAR (FORMER BOILER ROOM)
- SOIL BORING (JANUARY 2020)
- SOIL BORING/MONITORING WELL (JANUARY 2020)
- SOIL BORING/SOIL VAPOR POINT (JANUARY 2020)
- SOIL VAPOR POINT (JANUARY 2020)

0 20 40 80
SCALE IN FEET

Aerial Source:
2018 New York State ITS GIS Orthoimagery

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

©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\RIWP\190458 Fig 2 Site Plan and Sampling Locations.mxd 3/30/2020 5:10:31 PM mveilleux

AKRF
440 Park Avenue South, New York, NY 10016

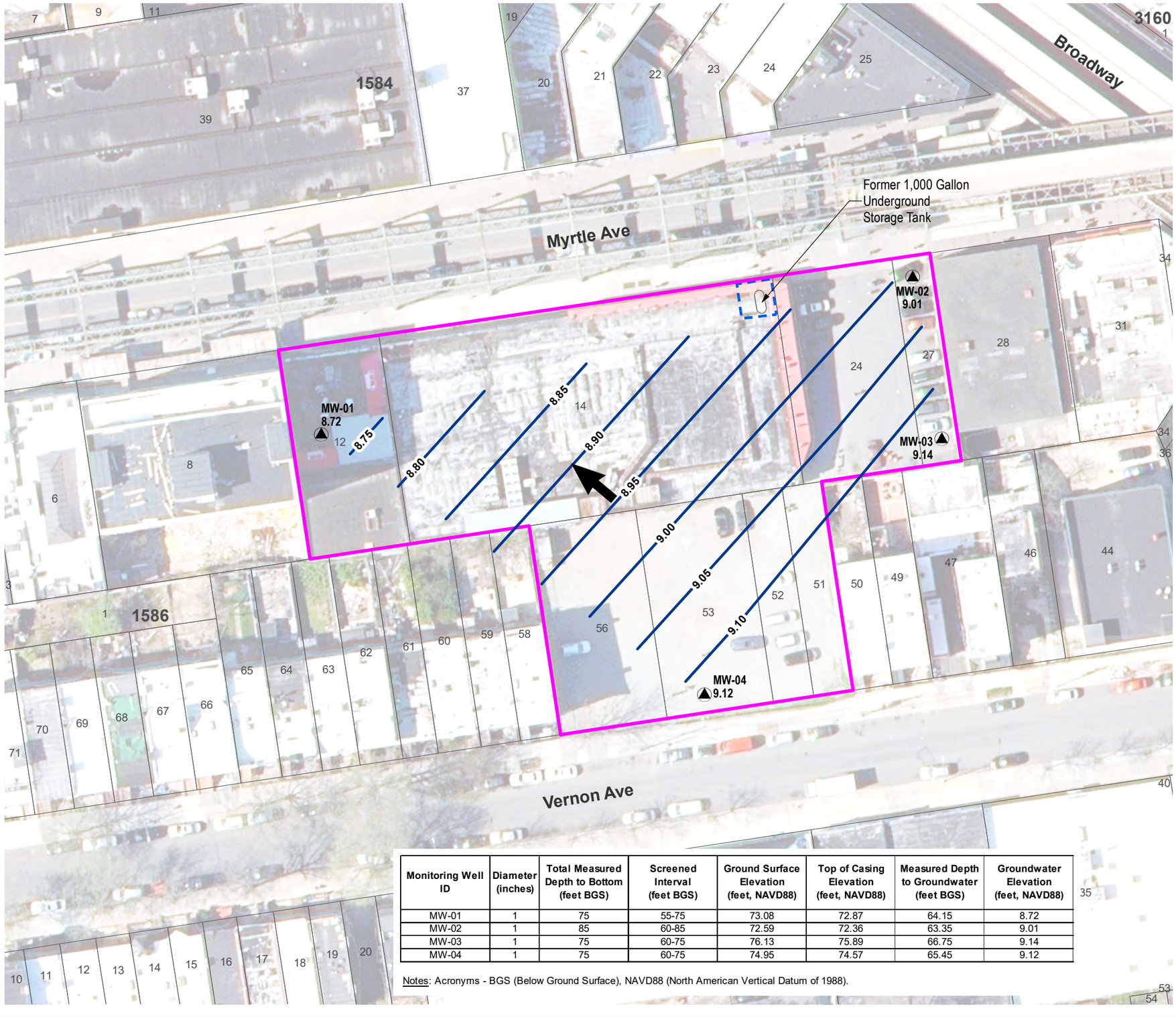
1100 MYRTLE AVENUE
Brooklyn, New York

SITE PLAN AND SAMPLING LOCATIONS

DATE
3/30/2020

PROJECT NO.
190458

FIGURE
2



Monitoring Well ID	Diameter (inches)	Total Measured Depth to Bottom (feet BGS)	Screened Interval (feet BGS)	Ground Surface Elevation (feet, NAVD88)	Top of Casing Elevation (feet, NAVD88)	Measured Depth to Groundwater (feet BGS)	Groundwater Elevation (feet, NAVD88)
MW-01	1	75	55-75	73.08	72.87	64.15	8.72
MW-02	1	85	60-85	72.59	72.36	63.35	9.01
MW-03	1	75	60-75	76.13	75.89	66.75	9.14
MW-04	1	75	60-75	74.95	74.57	65.45	9.12

Notes: Acronyms - BGS (Below Ground Surface), NAVD88 (North American Vertical Datum of 1988).

LEGEND

- PROJECT SITE BOUNDARY
- 14 LOT BOUNDARY AND TAX LOT
- 1586 BLOCK NUMBER
- EXISTING PARTIAL CELLAR (FORMER BOILER ROOM)
- MONITORING WELL WATER TABLE ELEVATION IN FEET
- MONITORING WELL LOCATION
- INFERRED GROUNDWATER FLOW DIRECTION

NOTE:
Elevations in Feet (North American Vertical Datum of 1988)

0 25 50 100
SCALE IN FEET

Aerial Source:
2018 New York State ITS GIS Orthoimagery

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

AKRF
440 Park Avenue South, New York, NY 10016

1100 MYRTLE AVENUE
Brooklyn, New York

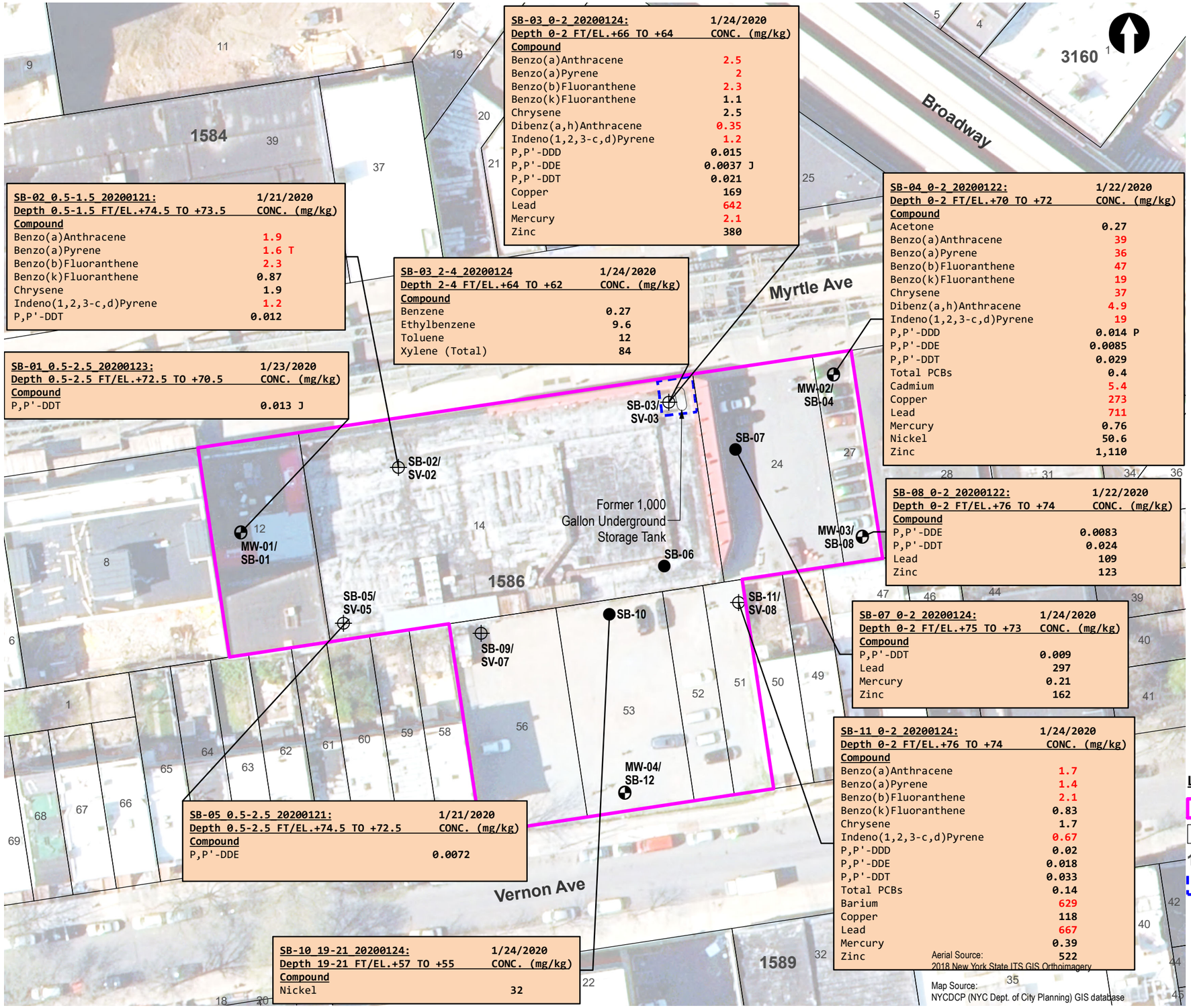
GROUNDWATER ELEVATION

DATE
3/6/2020

PROJECT NO.
190458

FIGURE
3

©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\R\190458 Fig 3 Groundwater Elevation Contours.mxd3/6/2020 11:16:43 AM iszalus



NOTES:

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

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

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

Laboratory Qualifiers
J: The concentration given is an estimated value.
P: Indicates a pesticide/aroclor target analyte had a percent difference greater than 25% between the two gc columns. The lower of the two results is reported.
T: Indicates that a quality control parameter has exceeded laboratory limits

	PART 375 RESTRICTED RESIDENTIAL mg/kg	PART 375 UNRESTRICTED mg/kg
Volatile Organic Compounds		
Acetone	100	0.05
Benzene	4.8	0.06
Ethylbenzene	41	1
Toluene	100	0.7
Semivolatile Organic Compounds		
Benzo(a)Anthracene	1	1
Benzo(a)Pyrene	1	1
Benzo(b)Fluoranthene	1	1
Benzo(k)Fluoranthene	3.9	0.8
Chrysene	3.9	1
Dibenz(a,h)Anthracene	0.33	0.33
Indeno(1,2,3-c,d)Pyrene	0.5	0.5
Metals		
Barium	400	350
Cadmium	4.3	2.5
Copper	270	50
Lead	400	63
Mercury	0.81	0.18
Nickel	310	30
Zinc	10000	109
PCBs		
Total PCBs	1	0.1
Pesticides		
P,P'-DDD	13	0.0033
P,P'-DDE	8.9	0.0033
P,P'-DDT	7.9	0.0033

Sample ID — Sample Date

SB-10 19-21 20200124: 1/24/2020
Depth 19-21 FT/EL.+57 TO +55 CONC. (mg/kg)
Compound
Nickel 32

Analyte/Compound — Concentration

Elevations in Feet (North American Vertical Datum of 1988)

LEGEND

- PROJECT SITE BOUNDARY
- 14 LOT BOUNDARY AND TAX LOT NUMBER
- 1586 BLOCK NUMBER
- EXISTING PARTIAL CELLAR (FORMER BOILER ROOM)
- SOIL BORING
- SOIL BORING/MONITORING WELL LOCATION
- SOIL BORING/SOIL VAPOR POINT

0 25 50 100
SCALE IN FEET

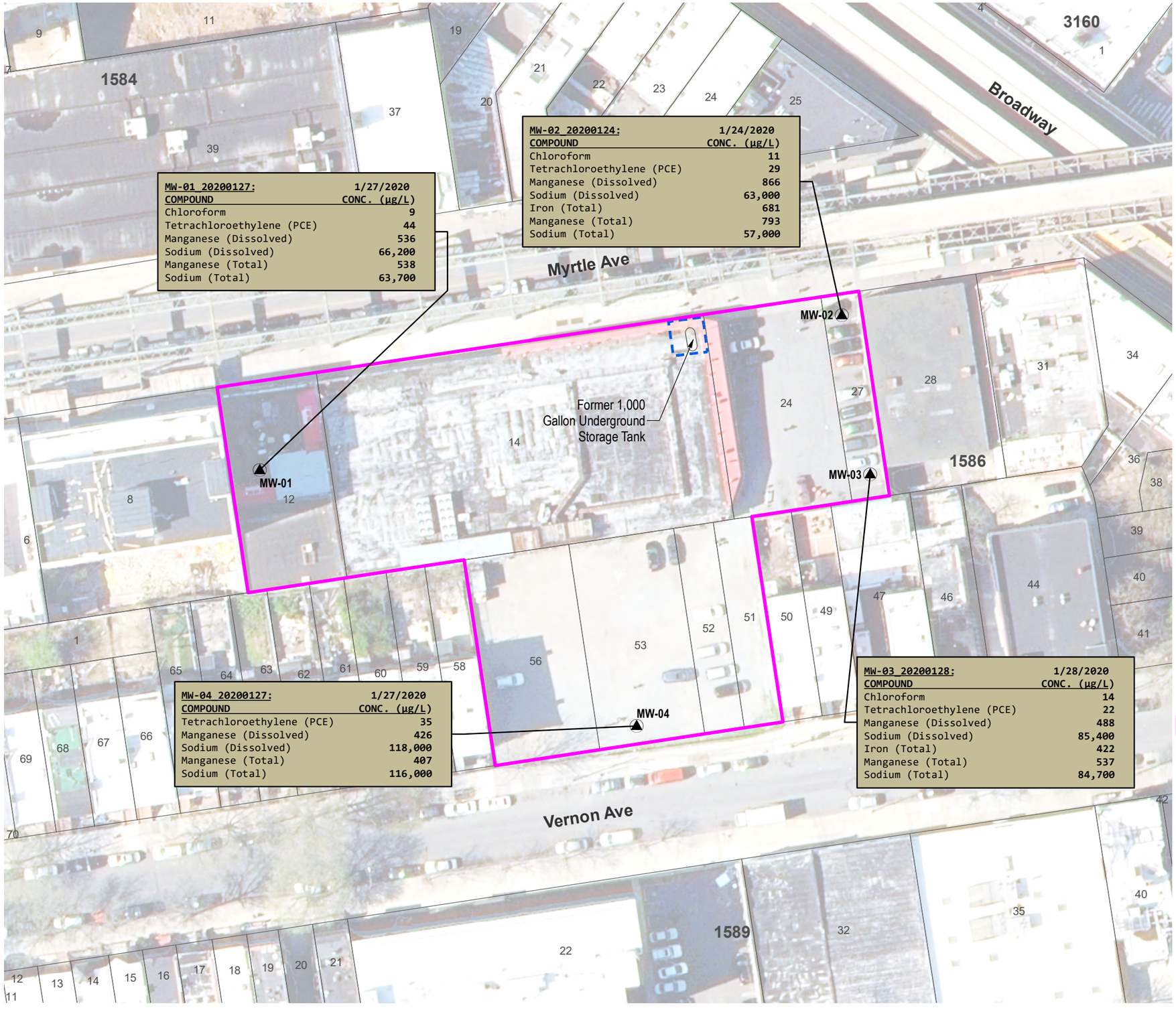
AKRF
440 Park Avenue South, New York, NY 10016

1100 MYRTLE AVENUE
Brooklyn, New York

SOIL SAMPLE CONCENTRATIONS ABOVE NYSDEC UUSCOs and/or RRSCOs

DATE
4/6/2020
PROJECT NO.
190458
FIGURE
4

©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\RIWP\190458 Fig 4 Soil Samples Above NYSDEC UUSCOs and/or RRSCOs.mxd 4/6/2020 1:23:13 PM mvelleux



NOTES:

GROUNDWATER

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

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

Exceedances of NYSDEC AWQSGVs are shown in bold font.

	NYSDEC AWQSGVs (µg/L)
Volatile Organic Compounds	
Chloroform	7
Tetrachloroethylene (PCE)	5
Metals	
Iron	300
Manganese	300
Sodium	20000

Sample ID — Sample Date

MW-04 20200127: 1/27/2020

COMPOUND	CONC. (µg/L)
Tetrachloroethylene (PCE)	**35**
Manganese (Dissolved)	**426**
Sodium (Dissolved)	**118,000**
Manganese (Total)	**407**
Sodium (Total)	**116,000**

Analyte/Compound — Concentration

LEGEND

- PROJECT SITE BOUNDARY
- 14 — LOT BOUNDARY AND TAX LOT NUMBER
- 1586 — BLOCK NUMBER
- EXISTING PARTIAL CELLAR (FORMER BOILER ROOM)
- MONITORING WELL LOCATION

0 25 50 100
SCALE IN FEET

Aerial Source:
2018 New York State ITS GIS Orthoimagery

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

AKRF
440 Park Avenue South, New York, NY 10016

1100 MYRTLE AVENUE
Brooklyn, New York

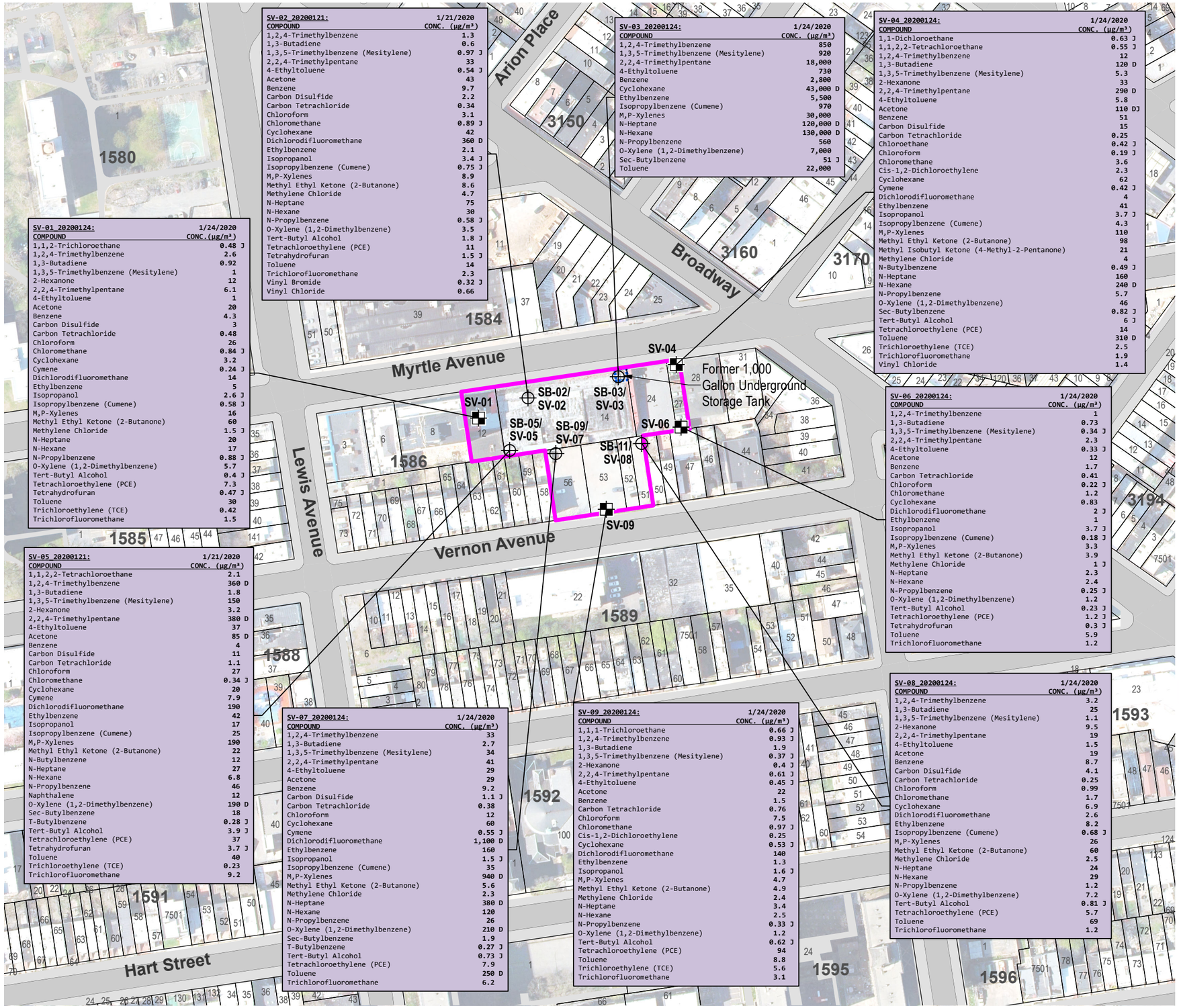
GROUNDWATER SAMPLE CONCENTRATIONS ABOVE NYSDEC AWQSGVs

DATE
3/29/2020

PROJECT NO.
190458

FIGURE
5

©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\RIWP\190458 Fig 5 Groundwater Sample Concentrations above NYSDEC AWQSGVs.mxd 3/29/2020 10:33:27 AM mvelleux



SV-02_20200121:	1/21/2020
COMPOUND	CONC. (µg/m³)
1,2,4-Trimethylbenzene	1.3
1,3-Butadiene	0.6
1,3,5-Trimethylbenzene (Mesitylene)	0.97 J
2,2,4-Trimethylpentane	33
4-Ethyltoluene	0.54 J
Acetone	43
Benzene	9.7
Carbon Disulfide	2.2
Carbon Tetrachloride	0.34
Chloroform	3.1
Chloromethane	0.89 J
Cyclohexane	42
Dichlorodifluoromethane	360 D
Ethylbenzene	2.1
Isopropanol	3.4 J
Isopropylbenzene (Cumene)	0.75 J
M,P-Xylenes	8.9
Methyl Ethyl Ketone (2-Butanone)	8.6
Methylene Chloride	4.7
N-Heptane	75
N-Hexane	30
N-Propylbenzene	0.58 J
O-Xylene (1,2-Dimethylbenzene)	3.5
Tert-Butyl Alcohol	1.8 J
Tetrachloroethylene (PCE)	11
Tetrahydrofuran	1.5 J
Toluene	14
Trichlorofluoromethane	2.3
Vinyl Bromide	0.32 J
Vinyl Chloride	0.66

SV-03_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,2,4-Trimethylbenzene	850
1,3,5-Trimethylbenzene (Mesitylene)	920
2,2,4-Trimethylpentane	18,000
4-Ethyltoluene	730
Benzene	2,800
Cyclohexane	43,000 D
Ethylbenzene	5,500
Isopropylbenzene (Cumene)	970
M,P-Xylenes	30,000
N-Heptane	120,000 D
N-Hexane	130,000 D
N-Propylbenzene	560
O-Xylene (1,2-Dimethylbenzene)	7,000
Sec-Butylbenzene	51 J
Toluene	22,000

SV-04_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,1-Dichloroethane	0.63 J
1,1,2,2-Tetrachloroethane	0.55 J
1,2,4-Trimethylbenzene	12
1,3-Butadiene	120 D
1,3,5-Trimethylbenzene (Mesitylene)	5.3
2-Hexanone	33
2,2,4-Trimethylpentane	290 D
4-Ethyltoluene	5.8
Acetone	110 DJ
Benzene	51
Carbon Disulfide	15
Carbon Tetrachloride	0.25
Chloroethane	0.42 J
Chloroform	0.19 J
Chloromethane	3.6
Cis-1,2-Dichloroethylene	2.3
Cyclohexane	62
Cymene	0.42 J
Dichlorodifluoromethane	4
Ethylbenzene	41
Isopropanol	3.7 J
Isopropylbenzene (Cumene)	4.3
M,P-Xylenes	110
Methyl Ethyl Ketone (2-Butanone)	98
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	21
Methylene Chloride	4
N-Butylbenzene	0.49 J
N-Heptane	160
N-Hexane	240 D
N-Propylbenzene	5.7
O-Xylene (1,2-Dimethylbenzene)	46
Sec-Butylbenzene	0.82 J
Tert-Butyl Alcohol	6 J
Tetrachloroethylene (PCE)	14
Toluene	310 D
Trichloroethylene (TCE)	2.5
Trichlorofluoromethane	1.9
Vinyl Chloride	1.4

SV-01_20200124:	1/24/2020
COMPOUND	CONC.(µg/m³)
1,1,2-Trichloroethane	0.48 J
1,2,4-Trimethylbenzene	2.6
1,3-Butadiene	0.92
1,3,5-Trimethylbenzene (Mesitylene)	1
2-Hexanone	12
2,2,4-Trimethylpentane	6.1
4-Ethyltoluene	1
Acetone	20
Benzene	4.3
Carbon Disulfide	3
Carbon Tetrachloride	0.48
Chloroform	26
Chloromethane	0.84 J
Cyclohexane	3.2
Cymene	0.24 J
Dichlorodifluoromethane	14
Ethylbenzene	5
Isopropanol	2.6 J
Isopropylbenzene (Cumene)	0.58 J
M,P-Xylenes	16
Methyl Ethyl Ketone (2-Butanone)	60
Methylene Chloride	1.5 J
N-Heptane	20
N-Hexane	17
N-Propylbenzene	0.88 J
O-Xylene (1,2-Dimethylbenzene)	5.7
Tert-Butyl Alcohol	0.4 J
Tetrachloroethylene (PCE)	7.3
Tetrahydrofuran	0.47 J
Toluene	30
Trichloroethylene (TCE)	0.42
Trichlorofluoromethane	1.5

SV-06_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,2,4-Trimethylbenzene	1
1,3-Butadiene	0.73
1,3,5-Trimethylbenzene (Mesitylene)	0.34 J
2,2,4-Trimethylpentane	2.3
4-Ethyltoluene	0.33 J
Acetone	12
Benzene	1.7
Carbon Tetrachloride	0.41
Chloroform	0.22 J
Chloromethane	1.2
Cyclohexane	0.83
Dichlorodifluoromethane	2 J
Ethylbenzene	1
Isopropanol	3.7 J
Isopropylbenzene (Cumene)	0.18 J
M,P-Xylenes	3.3
Methyl Ethyl Ketone (2-Butanone)	3.9
Methylene Chloride	1 J
N-Heptane	2.3
N-Hexane	2.4
N-Propylbenzene	0.25 J
O-Xylene (1,2-Dimethylbenzene)	1.2
Tert-Butyl Alcohol	0.23 J
Tetrachloroethylene (PCE)	1.2 J
Tetrahydrofuran	0.3 J
Toluene	5.9
Trichlorofluoromethane	1.2

SV-05_20200121:	1/21/2020
COMPOUND	CONC. (µg/m³)
1,1,2,2-Tetrachloroethane	2.1
1,2,4-Trimethylbenzene	360 D
1,3-Butadiene	1.8
1,3,5-Trimethylbenzene (Mesitylene)	150
2-Hexanone	3.2
2,2,4-Trimethylpentane	380 D
4-Ethyltoluene	37
Acetone	85 D
Benzene	4
Carbon Disulfide	11
Carbon Tetrachloride	1.1
Chloroform	27
Chloromethane	0.34 J
Cyclohexane	20
Cymene	7.9
Dichlorodifluoromethane	190
Ethylbenzene	42
Isopropanol	17
Isopropylbenzene (Cumene)	25
M,P-Xylenes	190
Methyl Ethyl Ketone (2-Butanone)	22
N-Butylbenzene	12
N-Heptane	27
N-Hexane	6.8
N-Propylbenzene	46
Naphthalene	12
O-Xylene (1,2-Dimethylbenzene)	190 D
Sec-Butylbenzene	18
T-Butylbenzene	0.28 J
Tert-Butyl Alcohol	3.9 J
Tetrachloroethylene (PCE)	37
Tetrahydrofuran	3.7 J
Toluene	40
Trichloroethylene (TCE)	0.23
Trichlorofluoromethane	9.2

SV-07_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,2,4-Trimethylbenzene	33
1,3-Butadiene	2.7
1,3,5-Trimethylbenzene (Mesitylene)	34
2,2,4-Trimethylpentane	41
4-Ethyltoluene	29
Acetone	29
Benzene	9.2
Carbon Disulfide	1.1 J
Carbon Tetrachloride	0.38
Chloroform	12
Cyclohexane	60
Cymene	0.55 J
Dichlorodifluoromethane	1,100 D
Ethylbenzene	160
Isopropanol	1.5 J
Isopropylbenzene (Cumene)	35
M,P-Xylenes	940 D
Methyl Ethyl Ketone (2-Butanone)	5.6
Methylene Chloride	2.3
N-Heptane	380 D
N-Hexane	120
N-Propylbenzene	26
O-Xylene (1,2-Dimethylbenzene)	210 D
Sec-Butylbenzene	1.9
T-Butylbenzene	0.27 J
Tert-Butyl Alcohol	0.73 J
Tetrachloroethylene (PCE)	7.9
Toluene	250 D
Trichlorofluoromethane	6.2

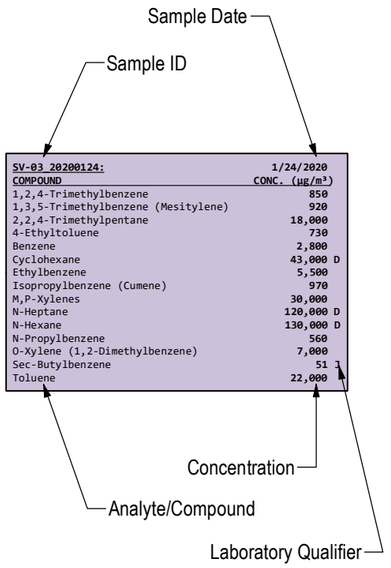
SV-09_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,1,1-Trichloroethane	0.66 J
1,2,4-Trimethylbenzene	0.93 J
1,3-Butadiene	1.9
1,3,5-Trimethylbenzene (Mesitylene)	0.37 J
2-Hexanone	0.4 J
2,2,4-Trimethylpentane	0.61 J
4-Ethyltoluene	0.45 J
Acetone	22
Benzene	1.5
Carbon Tetrachloride	0.76
Chloroform	7.5
Chloromethane	0.97 J
Cis-1,2-Dichloroethylene	0.25
Cyclohexane	0.53 J
Dichlorodifluoromethane	140
Ethylbenzene	1.3
Isopropanol	1.6 J
M,P-Xylenes	4.7
Methyl Ethyl Ketone (2-Butanone)	4.9
Methylene Chloride	2.4
N-Heptane	3.4
N-Hexane	2.5
N-Propylbenzene	0.33 J
O-Xylene (1,2-Dimethylbenzene)	1.2
Tert-Butyl Alcohol	0.62 J
Tetrachloroethylene (PCE)	94
Toluene	8.8
Trichloroethylene (TCE)	5.6
Trichlorofluoromethane	3.1

SV-08_20200124:	1/24/2020
COMPOUND	CONC. (µg/m³)
1,2,4-Trimethylbenzene	3.2
1,3-Butadiene	25
1,3,5-Trimethylbenzene (Mesitylene)	1.1
2-Hexanone	9.5
2,2,4-Trimethylpentane	19
4-Ethyltoluene	1.5
Acetone	19
Benzene	8.7
Carbon Disulfide	4.1
Carbon Tetrachloride	0.25
Chloroform	0.99
Chloromethane	1.7
Cyclohexane	6.9
Dichlorodifluoromethane	2.6
Ethylbenzene	8.2
Isopropylbenzene (Cumene)	0.68 J
M,P-Xylenes	26
Methyl Ethyl Ketone (2-Butanone)	60
Methylene Chloride	2.5
N-Heptane	24
N-Hexane	29
N-Propylbenzene	1.2
O-Xylene (1,2-Dimethylbenzene)	7.2
Tert-Butyl Alcohol	0.81 J
Tetrachloroethylene (PCE)	5.7
Toluene	69
Trichlorofluoromethane	1.2

NOTES:

µg/m³- micrograms per cubic meter

Laboratory Qualifier
D: Analyte concentration obtained from dilution.
J: The reported value is estimated



LEGEND

- PROJECT SITE BOUNDARY
- 14 — LOT BOUNDARY AND TAX LOT NUMBER
- 1586 — BLOCK NUMBER
- EXISTING PARTIAL CELLAR (FORMER BOILER ROOM)
- SOIL BORING/SOIL VAPOR POINT
- SOIL VAPOR POINT

0 150 300

SCALE IN FEET

Aerial Source:
2018 New York State ITS GIS Orthoimagery

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

AKRF
440 Park Avenue South, New York, NY 10016

1100 MYRTLE AVENUE
Brooklyn, New York

SOIL VAPOR CONCENTRATIONS

DATE
3/29/2020

PROJECT NO.
190458

FIGURE
6

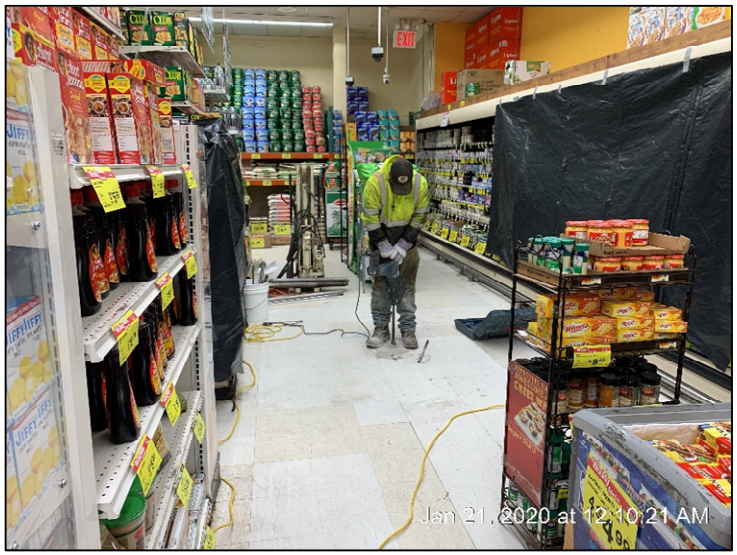
©2020 AKRF W:\Projects\190458 - 1100 MYRTLE AVE\Technical\GIS and Graphics\hazmat\RIWP\190458 Fig 6 Soil Vapor Sample Concentrations.mxd 3/29/2020 10:35:19 AM mveilleux

ATTACHMENT A

PHOTOGRAPHIC LOG



Photograph 1: Geophysical surveyor scanning boring location SB-06 within the grocery store, facing west.



Photograph 2: Driller coring through the concrete at boring location SB-06 in preparation of advancing the location, facing east.



Photograph 3: Driller advancing boring SB-06 with a mobile direct push probe, facing west.



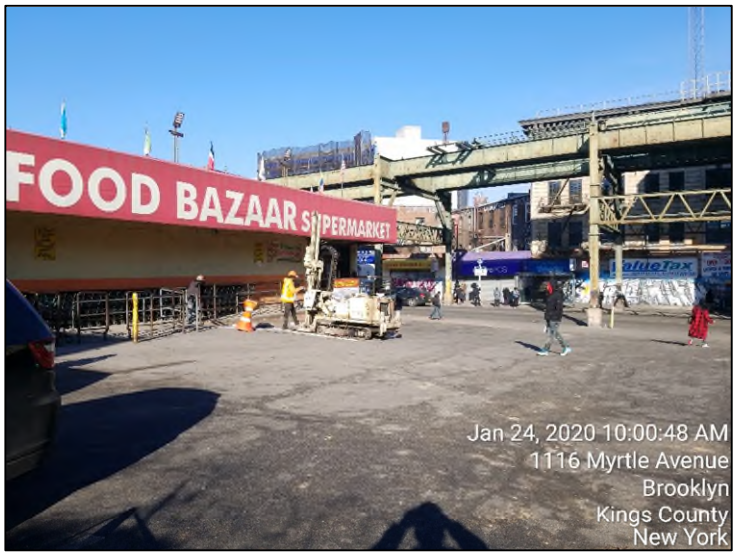
Photograph 4: Driller advancing boring SB-04 with a rotosonic drill rig, facing east.



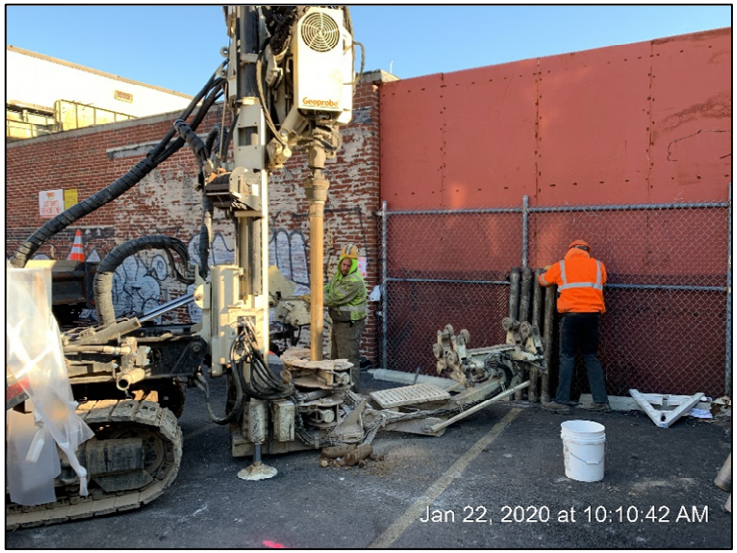
Photograph 5: View of patched boreholes within the grocery store, facing southeast.



Photograph 6: View of monitoring well MW-01 during installation, facing south.



Photograph 7: View of driller advancing boring SB-07, facing northwest.



Photograph 8: View of driller advancing boring SB-08, facing northeast.



Photograph 9: View of soil core from boring SB-08 from 0 to 5 feet below grade, facing north.



Photograph 10: View of soil core from boring SB-08 from 5 to 10 feet below grade, facing north.



Photograph 11: View of soil vapor sample collection at SV-03, facing south.



Photograph 12: View of the completed concrete pad for monitoring well MW-04, facing south.

ATTACHMENT B

SOIL BORING AND MONITORING WELL CONSTRUCTION LOGS

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 1 of 4	MW-01	Soil Boring ID:	SB-01

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	32 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0850 **Finish Time:** 1350

Date: 1/23/20

Surface Condition: Concrete

Well Construction: Flush-mounted well cover, locking j-plug, and concrete seal: grade to 0.5' below grade.
Non-shrinking cement grout: 0.5' to 51' below grade.
1" diameter PVC well casing: 0' to 55' below grade

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	42	Top 6": CONCRETE.	ND	Dry	ND	ND	SB-01_0.5-2.5_20200123
2							
3		Bottom 36": Brown SAND, some Silt, little Brick, trace fine Gravel (FILL).	ND	Dry	ND	ND	
4							
5							
6	48	Top 8": Brown SAND, some Silt, little Brick, trace fine Gravel (FILL).	ND	Dry	ND	ND	
7							
8		Bottom 40": Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
9							
10							
11	43	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
12							
13							
14							
15							
16	42	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	SB-01_16-18_20200123
17							
18							
19							
20							

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 64.15 feet below grade in MW-01 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 2 of 4	MW-01	Soil Boring ID:	SB-01

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	32 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0850 **Finish Time:** 1350

Date: 1/23/20

Depth (feet)	Well Construction	Surface Condition: Concrete	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
21		Non-shrinking cement grout: 0.5' to 51' below grade 1" diameter PVC well casing: 0' to 55' below grade	40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
26			46	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
31			40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
36			40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 64.15 feet below grade in MW-01 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 3 of 4	MW-01	Soil Boring ID:	SB-01

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

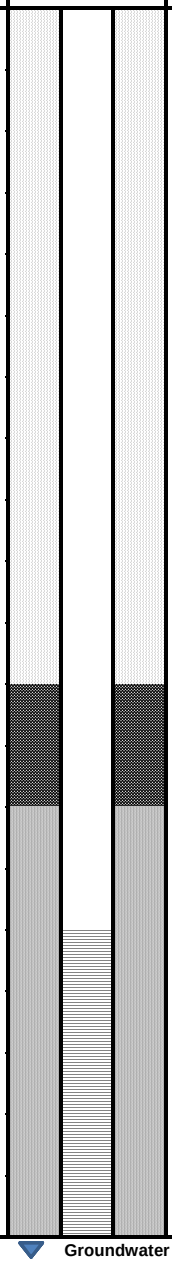
Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	32 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0850 **Finish Time:** 1350

Date: 1/23/20

Surface Condition: Concrete



Non-shrinking cement grout: 0.5' to 51' below grade

1" diameter PVC well casing: 0' to 55' below grade

Bentonite seal: 51' to 53' below grade

No. 2 morie sandpack filter: 53' to 75' below grade

0.020-inch slotted PVC well screen: 55' to 75' below grade

Depth (feet)	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
40	40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
45	46	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
50	55	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
55	50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 64.15 feet below grade in MW-01 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 4 of 4	MW-01	Soil Boring ID:	SB-01

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	32 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0850 **Finish Time:** 1350

Date: 1/23/20

Surface Condition: Concrete

Depth (feet)	Well Construction	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
61		40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
62								
63								
64								
65								
66		50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
67								
68	0.020-inch slotted PVC well screen: 55' to 75' below grade							
69								
70								
70	No. 2 morie sandpack filter: 53' to 75' below grade							
72		46	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
73								
74								
75	End cap: 75' below grade							
76								
77								
78								
79								
80								

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 64.15 feet below grade in MW-01 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-02**
Sheet 1 of 1

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

Drilling Method:	420M Mobile Direct Push Geoprobe
Sampling Method:	3' Macrocore
Driller:	AARCO
Weather:	20 °F, Clear
Logged By:	M. Levy, AKRF

Drilling
Start Time: 0315 **Finish Time:** 0340
Date: 1/21/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Concrete	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	16	Top 6" CONCRETE.	None	Dry	ND	ND	SB-02_0.5-1.5_20200121
		Middle 2": Light Brown SAND (FILL).	None	Dry	ND	ND	
		Bottom 8": Brown SAND, some Silt, trace fine Gravel (FILL).	None	Dry	ND	ND	
2							
3		Refusal at 1.5' below grade.					
4		Second Attempt refusal at 1.5' below grade.					
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 1.5 feet below grade due to equipment refusal.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-03**

Sheet 1 of 1

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

Drilling Method:	Electric Jackhammer
Sampling Method:	3' Macrocore: Electric Jackhammer
Driller:	AARCO
Weather:	35 °F, Clear
Logged By:	M. Levy, AKRF

Drilling

Start Time: 1050 **Finish Time:** 1200

Date: 1/24/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	24	Brown SAND, some Silt, trace fine Gravel, Brick, Concrete (FILL).	Petro-like	Damp	0.6	ND	SB-03_0-2_20200124
2			Petro-like	Damp	45.8	ND	
3			Petro-like	Damp	189.7	ND	
4	10	Brown SAND, some Silt, trace fine Gravel, Brick, Concrete (FILL).	Petro-like	Damp	722.1	ND	SB-03_2-4_20200124
5		First attempt refusal at 1.5' below grade.					
6		Second attempt refusal at 3' below grade.					
7		Third attempt refusal at 4' below grade.					
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 4 feet below grade due to equipment refusal.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 1 of 5	MW-02	Soil Boring ID:	SB-04

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1130 **Finish Time:** 1700

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		**Flush-mounted well cover, locking j-plug, and concrete seal: grade to 0.5' below grade.**	32	Top 3": Asphalt.	ND	Dry	ND	ND	SB-04_0-2_20200122
2		**Non-shrinking cement grout: 0.5' to 56' below grade.**		Middle 19": Dark Brown SILT, some Sand, trace Wood, Glass, Rubber, Metal, Gravel (FILL).	ND	Dry	ND	ND	
3		**1" diameter PVC well casing: 0' to 60' below grade**							
4				Bottom 10": Brown SILT, some SAND, fine Gravel (FILL).	ND	Dry	ND	ND	
5									
6			50	Brown SILT, some Sand, trace fine Gravel.	ND	Dry	ND	ND	
7									
8									
9									
10									
11			36	Brown SILT, some Sand, trace fine Gravel, cobbles.	ND	Dry	ND	ND	
12									
13									
14									
15									
16			60	Brown SILT, some Sand, trace fine Gravel, cobbles.	ND	Dry	ND	ND	SB-04_15-17_20200122
17									
18									
19									
20									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 63.35 feet below grade in MW-02 on 1/28/20.

Groundwater monitoring well installed to 85 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 63 feet below grade during soil boring installation

End of soil boring at 85 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 2 of 5	MW-02	Soil Boring ID:	SB-04

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1130 **Finish Time:** 1700

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
21		Non-shrinking cement grout: 0.5' to 56' below grade 1" diameter PVC well casing: 0' to 60' below grade	32	Brown SAND, little Silt, trace Cobbles, fine Gravel.	ND	Dry	ND	ND	
22									
23									
24									
25									
26			38	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
27									
28									
29									
30									
31			46	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
32									
33									
34									
35									
36			48	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
37									
38									
39									
40									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 63.35 feet below grade in MW-02 on 1/28/20.

Groundwater monitoring well installed to 85 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 63 feet below grade during soil boring installation

End of soil boring at 85 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 3 of 5	MW-02	Soil Boring ID:	SB-04

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1130 **Finish Time:** 1700

Date: 1/22/20

Surface Condition: Asphalt

Depth (feet)	Well Construction	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
41	Non-shrinking cement grout: 0.5' to 56' below grade 1" diameter PVC well casing: 0' to 60' below grade	30	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
42								
43								
44								
45								
46		25	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
47								
48								
49								
50								
51		30	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
52								
53								
54								
55								
56		30	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
57	Bentonite seal: 56' to 58' below grade							
58								
59	No. 2 morie sandpack filter: 58' to 85' below grade							
60								

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 63.35 feet below grade in MW-02 on 1/28/20.

Groundwater monitoring well installed to 85 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 63 feet below grade during soil boring installation

End of soil boring at 85 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 4 of 5	MW-02	Soil Boring ID:	SB-04

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1130 **Finish Time:** 1700

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
61									
62		No. 2 morie sandpack filter: 58' to 85' below grade							
63		0.020-inch slotted PVC well screen: 60' to 85' below grade	NA	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
64									
65									
66									
67			NA	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
68									
69									
70									
70									
72			NA	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
73									
74									
75									
76									
77			NA	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
78									
79									
80									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 63.35 feet below grade in MW-02 on 1/28/20.

Groundwater monitoring well installed to 85 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 63 feet below grade during soil boring installation

End of soil boring at 85 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 5 of 5	MW-02	Soil Boring ID:	SB-04

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1130 **Finish Time:** 1700

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
81									
82		No. 2 morie sandpack filter: 58' to 85' below grade							
83		0.020-inch slotted PVC well screen: 60' to 85' below grade	NA	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
84		End cap: 85' below grade							
85									
86									
87									
88									
89									
90									
91									
92									
93									
94									
95									
96									
97									
98									
99									
100									

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 63.35 feet below grade in MW-02 on 1/28/20.

Groundwater monitoring well installed to 85 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 63 feet below grade during soil boring installation

End of soil boring at 85 feet below grade.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-05**
Sheet 1 of 1

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

Drilling Method:	420M Mobile Direct Push Geoprobe
Sampling Method:	3' Macrocore
Driller:	AARCO
Weather:	20 °F, Clear
Logged By:	M. Levy, AKRF

Drilling
Start Time: **Finish Time:**
Date: 1/21/2020

Depth (feet)	Recovery (Inches)	**Surface Condition:** Tile Floor and Concrete Slab	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	26	Top 8": CONCRETE.	ND	Dry	ND	ND	
2		Bottom 18": Brown SAND, some Silt, trace fine Gravel (FILL).	ND	Dry	ND	ND	SB-05_0.5-2.5_20200121
3		First attempt refusal at 2.5' below grade.					
4		Second attempt refusal at 2' below grade.					
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 2.5 feet below grade due to equipment refusal.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-06**
Sheet 1 of 1

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

Drilling Method:	420M Mobile Direct Push Geoprobe
Sampling Method:	3' Macrocore
Driller:	AARCO
Weather:	25 °F, Clear
Logged By:	M. Levy, AKRF

Drilling
Start Time: 0015 **Finish Time:** 0155
Date: 1/21/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Tile Floor and Concrete Slab	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	40	Top 8": CONCRETE.	None	Dry	ND	ND	
2							SB-06_0.5-2.5_20200121
3		Bottom 28": Brown SAND, some Silt, trace fine Gravel (FILL).	None	Dry	ND	ND	
	6	Brown SAND, some Silt, trace fine Gravel (FILL).	None	Dry	ND	ND	SB-06_2.5-3.5_20200121
4		First attempt refusal at 3.5' below grade.					
5		Second attempt refusal at 2' below grade					
6		Third and fourth attempt refuasl at 2.5' below grade.					
7							
8							
9							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 3.5 feet below grade due to equipment refusal.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-07**
Sheet 1 of 1

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

Drilling Method:	6610DT Geoprobe
Sampling Method:	5' Macrocore
Driller:	AARCO
Weather:	39 °F, Sunny
Logged By:	A. Cardenas, AKRF

Drilling
Start Time: 0950 **Finish Time:** 1030
Date: 1/24/2020

Depth (feet)	Recovery (inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	27	Top 11": Brown SAND, some Brick, trace Gravel, Glass (FILL).	None	Dry	ND	ND	SB-07_0-2_20200124
2							
3		Middle 9": CONCRETE, trace dark brown Sand (FILL).	None	Dry	ND	ND	
4		Bottom 7": BRICK and CONCRETE (FILL).	None	Dry	ND	ND	
5							
6	31						
7		Top 21": Grey SAND, little Brick, trace Concrete/Gravel, Sand (FILL).	None	Dry	ND	ND	
8		Middle 6": CINDER, some wood (FILL).	Slight Petro-like	Dry	6.3	ND	
9		Bottom 4": BRICK and CONCRETE, trace brown Sand (FILL).	None	Dry	ND	ND	
10							
11	60						
12		Top 36": Brown SAND, trace Gravel and Grey Sand (FILL).	None	Dry	ND	ND	
13		Middle 11": Brown SAND, little Fine Gravel (FILL).	None	Dry	ND	ND	
14		Bottom 13": Brown SAND (FILL).	None	Dry	ND	ND	
15							
16	51						
17		Top 11": SLOUGH.	None	Dry	ND	None	
18		Middle 11": Grey SAND and BRICK, little fine Gravel (FILL).	None	Dry	ND	None	
19		Bottom 29": Brown SAND, little black Sand and fine Gravel.	None	Dry	ND	None	SB-07_18-20_20200124
20							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 20' below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 1 of 4	MW-03	Soil Boring ID:	SB-08

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0740/1745 **Finish Time:** 1100/1850

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1		Flush-mounted well cover, locking j-plug, and concrete seal: grade to 0.5' below grade.	40	Top 3": Asphalt.	ND	Dry	ND	ND	SB-08_0-2_20200122
2		Non-shrinking cement grout: 0.5' to 56' below grade.		Bottom 37": Brown SILT, some Sand, little fine Gravel, trace Metal, Fabric, Ceramic (Debris mostly from 25"-35") (FILL).	ND	Dry	ND	ND	
3		1" diameter PVC well casing: 0' to 60' below grade							
4									
5									
6			45	Brown SILT, some Sand, trace Gravel (Cobbles from 5'-7' bgs).	ND	Dry	ND	ND	
7					ND	Dry	1.0	ND	
8					ND	Dry	1.6	ND	
9					ND	Dry	1.2	ND	
10					ND	Dry	1.6	ND	
11					ND	Dry	ND	ND	
12					ND	Dry	ND	ND	
13			52	Brown SILT, some Sand, trace fine Gravel.	ND	Dry	ND	ND	
14									
15									
16			60	Brown SILT, some Sand, trace fine Gravel.	ND	Dry	ND	ND	
17									
18									
19									
20									SB-08_19-21_20200122

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 66.75 feet below grade in MW-03 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 2 of 4	MW-03	Soil Boring ID:	SB-08

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0740/1745 **Finish Time:** 1100/1850

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
21		**Non-shrinking cement grout: 0.5' to 56' below grade** **1" diameter PVC well casing: 0' to 60' below grade**	60	Top 40": Brown SILT, little Sand, trace fine Gravel. Bottom 20": Brown SAND, little Silt, trace fine Gravel.	ND	Dry	ND	ND	
25			25	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
30			50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
35			52	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
40									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 66.75 feet below grade in MW-03 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 3 of 4	MW-03	Soil Boring ID:	SB-08

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0740/1745 **Finish Time:** 1100/1850

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
41		Non-shrinking cement grout: 0.5' to 56' below grade 1" diameter PVC well casing: 0' to 60' below grade	50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
42									
43									
44									
45									
46			50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
47									
48									
49									
50									
51			50	Brown SAND, trace Silt, fine Gravel.	ND	Dry Damp	ND	ND	
52									
53									
54									
55									
56			48	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
57		Bentonite seal: 56' to 58' below grade							
58									
59		No. 2 morie sandpack filter: 58' to 75' below grade							
60									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 66.75 feet below grade in MW-03 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 4 of 4	MW-03	Soil Boring ID:	SB-08

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 0740/1745 **Finish Time:** 1100/1850

Date: 1/22/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
61									
62		No. 2 morie sandpack filter: 58' to 75' below grade							
63			45	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
64		0.020-inch slotted PVC well screen: 60' to 75' below grade							
65									
66									
67									
68			46	Brown SAND, trace Silt, fine Gravel.	ND	Wet	ND	ND	
69									
70									
70									
72									
73			45	Brown SAND, trace Silt, fine Gravel.	ND	Wet	ND	ND	
74		End cap: 75' below grade							
75									
76									
77									
78									
79									
80									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 66.75 feet below grade in MW-03 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.

Groundwater encountered at approximately 65 feet below grade during soil boring installation

End of soil boring at 75 feet below grade.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-09**
Sheet 1 of 1

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

Drilling Method:	6610DT Geoprobe
Sampling Method:	5' Macrocore
Driller:	AARCO
Weather:	39 °F, Sunny
Logged By:	A. Cardenas, AKRF

Drilling
Start Time: 1210 **Finish Time:** 1235
Date: 1/24/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	20	SAND, trace fine Gravel (FILL).	None	Dry	ND	ND	SB-09_0-02_20200124
2							
3							
4							
5							
6	46	Top 7": SLOUGH.	None	Dry	ND	ND	
7		Middle 24": Brown SAND, little fine Gravel (FILL).	None	Dry	ND	ND	
8							
9		Bottom 15": Pulverized ROCK, fine Gravel and brown Sand, trace grey Sand (FILL).	None	Dry	ND	ND	
10							
11	35	Top 18": Black/Dark brown SAND, trace fine Gravel, Brick, Silt (FILL).	None	Dry	ND	ND	
12							
13		Middle 11": BRICK and Pulverized ROCK/fine Gravel, trace SAND (FILL).	None	Dry	ND	ND	
14							
15		Bottom 6": Brown SAND and some Silt.	None	Dry	ND	ND	
16	48	Top 19": Brown SAND and some fine Gravel, trace dark brown Sand.	None	Dry	ND	None	
17							
18		Middle 22": Brown SAND, trace fine Gravel.	None	Dry	ND	None	
19		Bottom 7": Brown SAND and some fine Gravel.	None	Dry	ND	None	
20							
21	12	Brown SAND and some fine Gravel.	None	Dry	ND	None	SB-09_20-22_20200124
22							

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 22' below grade.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-10**

Sheet 1 of 1

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

Drilling Method:	6610DT Geoprobe
Sampling Method:	5' Macrocore
Driller:	AARCO
Weather:	39 °F, Sunny
Logged By:	A. Cardenas, AKRF

Drilling

Start Time: 1340 **Finish Time:** 1400

Date: 1/24/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Soil	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	36	Top 18": CONCRETE, little dark brown Sand, trace Brick and Glass (FILL).	None	Dry	ND	ND	SB-10_0-2_20200124
2			None	Moist	ND	ND	
3		Bottom 18": Brown SAND and some Silt, little brittle fine Gravel/Rock (FILL).	None	Dry	ND	ND	
4							
5							
6	32		None	Dry	ND	ND	
7		Top 18": Brown SAND, little Silt, trace Brick/Concrete (SLOUGH).					
8		Middle 5": Brittle ROCK/fine GRAVEL (FILL).	None	Dry	ND	ND	
9		Bottom 9": Brown SAND (FILL).	None	Dry	ND	ND	
10							
11	50		None	Dry	ND	ND	
12		Top 15": Brown SAND and some fine Gravel, trace Brick (FILL).					
13		Bottom 35": Brown SAND, little fine Gravel.	None	Dry	ND	ND	
14							
15							
16	48	Top 19": Brown SAND and little fine Gravel, trace Silt.	None	Dry	ND	None	
17							
18		Bottom 29": Brown SAND and some fine Gravel.	None	Dry	ND	None	
19							
20							SB-10_19-21_20200124
21	10	Brown SAND and some fine Gravel.	None	Dry	ND	None	

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.

End of soil boring at 21' below grade.

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

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

SOIL BORING LOG

1100 Myrtle Avenue
Brooklyn NY 1106
AKRF Project Number: 190458

Soil Boring ID: **SB-11**
Sheet 1 of 1

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

Drilling Method:	6610DT Geoprobe
Sampling Method:	5' Macrocore
Driller:	AARCO
Weather:	39 °F, Sunny
Logged By:	A. Cardenas, AKRF

Drilling
Start Time: 1120 **Finish Time:** 1145
Date: 1/24/2020

Depth (feet)	Recovery (Inches)	Surface Condition: Asphalt	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1	48	Top 14": Dark Grey SAND and BRICK and CONCRETE, trace fine Gravel and Cinder (FILL).	None	Dry	ND	ND	SB-11_0-2_20200124
2		Middle 21": Brown SAND, little black SAND, trace Silt (FILL).	None	Dry	ND	ND	
3							
4		Bottom 13": Brown SAND, little brittle fine Gravel/Rock (FILL).	None	Dry	ND	ND	
5							
6	60	Top 35": Brown SAND, some Silt, trace Brick and fine Gravel (FILL).	None	Dry	ND	ND	
7							
8		Bottom 25": Brown SAND, some Silt, trace fine Gravel (FILL).	None	Moist	ND	ND	
9							
10							
11	60	Top 15": Brown SAND, some Silt, little brittle Rock/fine Gravel, trace black Sand (FILL).	None	Moist	ND	ND	
12							
13		Bottom 45": Brown SAND and some Silt, trace Clay/fine Gravel (FILL).	None	Moist	ND	ND	
14							
15							
16	50	Top 26": Brown SAND and Silt, trace fine Gravel (FILL).	None	Moist	ND	ND	
17							
18		Bottom 19": Reddish Brown SAND and Silt, little fine Gravel/Brittle Rock (FILL)	None	Moist	ND	ND	
19							
20							SB-11_19-21_20200124
21	10	Reddish Brown SAND and Silt, little fine Gravel/Brittle Rock (FILL).	None	Moist	ND	ND	

Notes: Soil sample analyzed for TCL VOCs, TCL SVOCs, Pesticides, PCBs, and TAL Metals.
First attempt refusal at 8' below grade.
End of soil boring at 21' below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 1 of 4	MW-04	Soil Boring ID:	SB-12

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	35 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1430/0715 **Finish Time:** 1600/0930

Date: 1/23/20 and 1/24/20

Surface Condition: Asphalt

Well Construction: Flush-mounted well cover, locking j-plug, and concrete seal: grade to 0.5' below grade.
Non-shrinking cement grout: 0.5' to 56' below grade.
1" diameter PVC well casing: 0' to 60' below grade

Depth (feet)	Recovery (Inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
1–5	56	BRICK, little brown Sand, trace fine Gravel, Silt (FILL).	ND	Dry	ND	ND	SB-12_0-2_20200123
6–10	56	Top 30": BRICK, little brown Sand, trace fine Gravel, Silt (FILL).	ND	Dry	ND	ND	
		Bottom 26": Brown SAND, some Silt, trace f-m Gravel.	ND	Dry	ND	ND	
11–15	56	Top 40": BOULDER.	ND	Dry	ND	ND	
		Bottom 16": Brown SAND, some Silt, trace fine Gravel.	ND	Dry	ND	ND	
16–20	56	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	SB-12_18-20_20200124

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 65.45 feet below grade in MW-04 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, TAL Metals.
SB-12_18-2020200124 additionally analyzed for PFAS.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 2 of 4	MW-04	Soil Boring ID:	SB-12

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1430/0715 **Finish Time:** 1600/0930

Date: 1/23/20 and 1/24/20

Depth (feet)	Well Construction	Surface Condition: Asphalt	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
21		Non-shrinking cement grout: 0.5' to 56' below grade 1" diameter PVC well casing: 0' to 60' below grade	50	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
22									
23									
24									
25									
26			45	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
27									
28									
29									
30									
31			43	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
32									
33									
34									
35									
36			44	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
37									
38									
39									
40									

Notes: ▼ **Groundwater Depth Indicator**

Groundwater measured at 65.45 feet below grade in MW-04 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, TAL Metals and PFAS.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 3 of 4	MW-04	Soil Boring ID:	SB-12

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1430/0715 **Finish Time:** 1600/0930

Date: 1/23/20 and 1/24/20

Surface Condition: Asphalt

Depth (feet)	Well Construction	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
41	Non-shrinking cement grout: 0.5' to 56' below grade 1" diameter PVC well casing: 0' to 60' below grade	38	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
46		39	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
51		28	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
56	Bentonite seal: 56' to 58' below grade	29	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
59	No. 2 morie sandpack filter: 58' to 75' below grade							

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 65.45 feet below grade in MW-04 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, TAL Metals and PFAS.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

SOIL BORING AND WELL INSTALLATION LOG	1100 Myrtle Avenue Brooklyn NY 11206 AKRF Project Number: 190458	Groundwater Monitoring Well ID: Sheet 4 of 4	MW-04	Soil Boring ID:	SB-12

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

Drilling Method:	8140LC Geoprobe
Sampling Method:	Rotosonic
Driller:	AARCO
Weather:	25 °F, Clear
Logged by:	M. Levy, AKRF

Drilling

Start Time: 1430/0715 **Finish Time:** 1600/0930

Date: 1/23/20 and 1/24/20

Surface Condition: Asphalt

Well Construction: No. 2 morie sandpack filter: 58' to 75' below grade; 0.020-inch slotted PVC well screen: 60' to 75' below grade; End cap: 75' below grade

Depth (feet)	Recovery (inches)	Soil Boring Log	Odor	Moisture	PID (ppm)	NAPL	Soil Samples Collected for Laboratory Analysis
61–65	40	Brown SAND, trace Silt, fine Gravel.	ND	Dry	ND	ND	
66–70	39	Brown SAND, trace Silt, fine Gravel.	ND	Wet	ND	ND	
70–75	41	Brown SAND, trace Silt, fine Gravel.	ND	Wet	ND	ND	
76–80							

Notes: ▼ Groundwater Depth Indicator

Groundwater measured at 65.45 feet below grade in MW-04 on 1/27/20.

Groundwater monitoring well installed to 75 feet below grade.

Soil samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, TAL Metals and PFAS.

Groundwater encountered at approximately 65 feet below grade during soil boring installation.

End of soil boring at 75 feet below grade.

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

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

ATTACHMENT C

MONITORING WELL DEVELOPMENT LOGS

Groundwater Monitoring Well Development Log

AKRF Project No:	190458	**Installed By:**	Aarco Environmental Services
Project Location:	1100 Myrtle Avenue, Brooklyn, New York	**Developed By:**	Aarco Environmental Services and AKRF
Client:	SWDM Myrtle LLC	**Logged By:**	M. Levy, AKRF
Date:	1/24/2020	**Weather:**	35 °F, Clear

Development Setup

Start Time:	10:30	**Stop Time:**	10:45
Headspace PID:	ND parts per million (ppm)	**Well Diameter:**	1 inches
Total Depth:	75.00 feet below top of casing	**1 Well Volume*:**	0.44 gallons
Depth to Water:	64.15 feet below top of casing	**Volume Purged:**	10 gallons
Water Column:	10.85 feet	**Pump Type:**	Waterra Hydrolift

Groundwater Monitoring Well Information

Groundwater Monitoring Well ID:	MW-01	**Groundwater Monitoring Well Installation Date:**	1/23/2020

Groundwater Monitoring Well Development Parameters

Time	Pump Rate (mL/min)	Temperature (ºC)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
10:30	2,500	ND	ND	ND	ND	>1000	ND
10:35	2,500	ND	ND	ND	ND	<50	ND
10:40	2,500	ND	ND	ND	ND	<50	ND
10:45	2,500	ND	ND	ND	ND	<50	ND

Notes:	PID = Photoionization Detector	ND = Not Detected	WC = Water Column	ORP = Oxidation Reduction Potential
Volume Calculations:	*= 0.041 x WC for 1" wells	*= 0.163 x WC for 2" wells	*= 0.653 x WC for 4" wells	*= 1.469 x WC for 6" wells
Comments:	None			

Record readings in 5-minute intervals. Purge until turbidity is less than 50 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.

Groundwater Monitoring Well Development Log

AKRF Project No:	190458	**Installed By:**	Aarco Environmental Services
Project Location:	1100 Myrtle Avenue, Brooklyn, New York	**Developed By:**	Aarco Environmental Services and AKRF
Client:	SWDM Myrtle LLC	**Logged By:**	M. Levy, AKRF
Date:	1/24/2020	**Weather:**	35 °F, Clear

Development Setup

Start Time:	13:15	**Stop Time:**	13:45
Headspace PID:	ND parts per million (ppm)	**Well Diameter:**	1 inches
Total Depth:	85.00 feet below top of casing	**1 Well Volume*:**	0.89 gallons
Depth to Water:	63.35 feet below top of casing	**Volume Purged:**	10 gallons
Water Column:	21.65 feet	**Pump Type:**	Waterra Hydrolift

Groundwater Monitoring Well Information

Groundwater Monitoring Well ID:	MW-02	**Groundwater Monitoring Well Installation Date:**	1/22/2020

Groundwater Monitoring Well Development Parameters

Time	Pump Rate (mL/min)	Temperature (ºC)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
13:15	2,500	ND	ND	ND	ND	>1000	ND
13:20	2,500	ND	ND	ND	ND	<50	ND
13:25	2,500	ND	ND	ND	ND	<50	ND
13:30	2,500	ND	ND	ND	ND	<50	ND

Notes:	PID = Photoionization Detector	ND = Not Detected	WC = Water Column	ORP = Oxidation Reduction Potential
Volume Calculations:	*= 0.041 x WC for 1" wells	*= 0.163 x WC for 2" wells	*= 0.653 x WC for 4" wells	*= 1.469 x WC for 6" wells
Comments:	None			

Record readings in 5-minute intervals. Purge until turbidity is less than 50 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.

Groundwater Monitoring Well Development Log

AKRF Project No:	190458	**Installed By:**	Aarco Environmental Services
Project Location:	1100 Myrtle Avenue, Brooklyn, New York	**Developed By:**	Aarco Environmental Services and AKRF
Client:	SWDM Myrtle LLC	**Logged By:**	M. Levy, AKRF
Date:	1/24/2020	**Weather:**	35 °F, Clear

Development Setup

Start Time:	10:55	**Stop Time:**	11:10
Headspace PID:	ND parts per million (ppm)	**Well Diameter:**	1 inches
Total Depth:	75.00 feet below top of casing	**1 Well Volume*:**	0.34 gallons
Depth to Water:	66.75 feet below top of casing	**Volume Purged:**	10 gallons
Water Column:	8.25 feet	**Pump Type:**	Waterra Hydrolift

Groundwater Monitoring Well Information

Groundwater Monitoring Well ID:	MW-03	**Groundwater Monitoring Well Installation Date:**	1/22/2020

Groundwater Monitoring Well Development Parameters

Time	Pump Rate (mL/min)	Temperature (ºC)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
10:55	2,500	ND	ND	ND	ND	>1000	ND
11:00	2,500	ND	ND	ND	ND	<50	ND
11:05	2,500	ND	ND	ND	ND	<50	ND
11:10	2,500	ND	ND	ND	ND	<50	ND

Notes:	PID = Photoionization Detector	ND = Not Detected	WC = Water Column	ORP = Oxidation Reduction Potential
Volume Calculations:	*= 0.041 x WC for 1" wells	*= 0.163 x WC for 2" wells	*= 0.653 x WC for 4" wells	*= 1.469 x WC for 6" wells
Comments:	None			

Record readings in 5-minute intervals. Purge until turbidity is less than 50 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.

Groundwater Monitoring Well Development Log

AKRF Project No:	190458	**Installed By:**	Aarco Environmental Services
Project Location:	1100 Myrtle Avenue, Brooklyn, New York	**Developed By:**	Aarco Environmental Services and AKRF
Client:	SWDM Myrtle LLC	**Logged By:**	M. Levy, AKRF
Date:	1/24/2020	**Weather:**	35 °F, Clear

Development Setup

Start Time:	10:00	**Stop Time:**	10:15
Headspace PID:	ND parts per million (ppm)	**Well Diameter:**	1 inches
Total Depth:	75.00 feet below top of casing	**1 Well Volume*:**	0.39 gallons
Depth to Water:	65.45 feet below top of casing	**Volume Purged:**	10 gallons
Water Column:	9.55 feet	**Pump Type:**	Waterra Hydrolift

Groundwater Monitoring Well Information

Groundwater Monitoring Well ID:	MW-04	**Groundwater Monitoring Well Installation Date:**	1/24/2020

Groundwater Monitoring Well Development Parameters

Time	Pump Rate (mL/min)	Temperature (ºC)	pH	ORP (mV)	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/L)
10:00	2,500	ND	ND	ND	ND	>1000	ND
10:05	2,500	ND	ND	ND	ND	<50	ND
10:10	2,500	ND	ND	ND	ND	<50	ND
10:15	2,500	ND	ND	ND	ND	<50	ND

Notes:	PID = Photoionization Detector	ND = Not Detected	WC = Water Column	ORP = Oxidation Reduction Potential
Volume Calculations:	*= 0.041 x WC for 1" wells	*= 0.163 x WC for 2" wells	*= 0.653 x WC for 4" wells	*= 1.469 x WC for 6" wells
Comments:	None			

Record readings in 5-minute intervals. Purge until turbidity is less than 50 NTU for three successive readings or until water quality indicators are within 10% for three successive readings. Purge a minimum of three well volumes.

ATTACHMENT D

GROUNDWATER SAMPLING LOGS

Well Sampling Log

Job No:	190458	**Client:**	SWDM Myrtle LLC	**Well No:**	**MW-01**
Project Location:	1100 Myrtle Ave, Brooklyn New York 11206	**Sampled By:**	Antonio Cardenas		
Date:	1/27/2020	**Sampling Time:**	11:50		
LEL at surface:	ND				
PID at surface:	ND				
Total Depth:	75.00 feet below top of casing	**Water Column (WC):**	9.05 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	64.15 feet below top of casing	**Well Volume*:**	0.44 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND feet below top of casing	**Volume Purged:**	1.66 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	55.00 feet below top of casing	**Well Diam.:**	1 inch	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	75.00 feet below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	68.67 feet below top of casing				

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
1055	64.15	100	9.52	0.888	4.96	6.69	-153	405.0	Purge water clear, no sheen.
1100	64.15	100	11.23	0.845	4.31	7.04	-158	288.0	
1105	64.15	100	11.25	0.847	4.30	7.07	-154	269.0	
1110	64.15	100	11.36	0.848	4.20	7.09	-149	241.0	
1115	64.15	100	11.47	0.860	4.11	7.08	-137	188.0	
1120	64.15	100	11.61	0.869	4.35	7.09	-129	162.0	
125	64.15	100	11.61	0.874	4.41	7.09	-121	130.0	
130	64.15	100	11.69	0.881	4.48	7.08	-113	101.0	
1135	64.15	100	11.65	0.897	4.37	7.08	-104	65.8	
1140	64.15	100	11.65	0.905	4.40	7.09	-102	55.4	
1145	64.15	100	11.65	0.909	4.39	7.08	-100	48.7	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.
ND = Not Detected

Well Sampling Log

Job No:	190458	**Client:**	SWDM Myrtle LLC	**Well No:**	**MW-02**
Project Location:	1100 Myrtle Ave, Brooklyn New York 11206	**Sampled By:**	Antonio Cardenas		
Date:	1/28/2020	**Sampling Time:**	1630		
LEL at surface:	ND				
PID at surface:	ND				
Total Depth:	85.00 feet below top of casing	**Water Column (WC):**	21.65 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	63.35 feet below top of casing	**Well Volume*:**	0.88 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND feet below top of casing	**Volume Purged:**	2.5 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	60.00 feet below top of casing	**Well Diam.:**	1 inch	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	85.00 feet below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	69.17 feet below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1535	63.35	100	15.34	0.641	7.38	6.30	-109	443	Purge water clear, no sheen. High turbidity readings although the water is coming out clean.
1540	63.35	100	15.36	0.640	7.31	6.34	-110	441	
1545	63.35	100	15.40	0.647	6.78	6.39	-116	434	
1550	63.35	100	15.43	0.657	6.50	6.41	-124	418	
1555	63.35	100	15.48	0.670	6.75	6.41	-128	352	
1600	63.35	100	15.50	0.680	6.43	6.42	-131	325	
1605	63.35	100	15.42	0.692	6.25	6.42	-134	281	
1610	63.35	100	15.42	0.698	6.20	6.40	-136	255	
1615	63.35	100	15.31	0.707	6.09	6.40	-139	227	
1620	63.35	100	15.29	0.712	6.01	6.40	-139	198	
1625	63.35	100	15.25	0.717	5.99	6.40	-138	182	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, TAL Metals, and PFAS compounds.
ND = Not Detected

Well Sampling Log

Job No:	190458	**Client:**	SWDM Myrtle LLC	**Well No:**	**MW-03**
Project Location:	1100 Myrtle Ave, Brooklyn New York 11206	**Sampled By:**	Antonio Cardenas		
Date:	1/27/2020	**Sampling Time:**	940		
LEL at surface:	ND				
PID at surface:	ND				
Total Depth:	75.00 feet below top of casing	**Water Column (WC):**	6.4 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	66.75 feet below top of casing	**Well Volume*:**	0.25 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND feet below top of casing	**Volume Purged:**	0.8 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	60.00 feet below top of casing	**Well Diam.:**	1 inch	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	75.00 feet below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	70.87 feet below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
830	66.75	100	10.18	0.999	5.87	6.07	-45	181	Purge start at 800. Purge water clear no sheen.
835	66.75	100	10.68	0.983	5.55	6.30	-51	132	
840	66.75	100	10.67	0.982	5.56	6.34	-52	117	
845	66.75	100	10.70	0.984	5.17	6.43	-55	100	
850	66.75	100	10.87	0.983	5.23	6.47	-55	88.4	
855	66.75	100	10.86	0.986	5.23	6.50	-52	75.9	
900	66.75	100	10.84	0.989	5.20	6.53	-50	63.2	
905	66.75	100	10.91	0.992	5.21	6.54	-50	54.5	
910	66.75	100	11.06	0.997	5.12	6.55	-50	42.5	
915	66.75	100	11.25	0.997	5.14	6.53	-44	32.0	
920	66.75	100	11.41	1.00	5.12	6.54	-35	24.7	
925	66.75	100	11.25	1.01	5.16	6.55	-30	15.0	
930	66.75	100	11.26	1.01	4.94	6.54	-27	11.4	
935	66.75	100	11.25	1.01	5.05	6.55	-25	2.2	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.
ND = Not Detected

Well Sampling Log

Job No:	190458	**Client:**	SWDM Myrtle LLC	**Well No:**	**MW-04**
Project Location:	1100 Myrtle Ave, Brooklyn New York 11206	**Sampled By:**	Antonio Cardenas		
Date:	1/27/2020	**Sampling Time:**	1620		
LEL at surface:	ND				
PID at surface:	ND				
Total Depth:	75.00 feet below top of casing	**Water Column (WC):**	9.55 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	65.45 feet below top of casing	**Well Volume*:**	0.39 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND feet below top of casing	**Volume Purged:**	1.2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	60.00 feet below top of casing	**Well Diameter:**	1 inch	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	75.00 feet below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	70.87 feet below top of casing				

Time	Depth to Water (Ft.)	Purge Rate (ml/min)	Temp (^{o}C)	Conductivity (mS/cm)	DO (mg/L)	pH	ORP (mV)	Turbidity (NTU)	Comments (problems, odor, sheen)
1445	65.45	100	10.91	0.926	4.77	7.08	-49	0.0	Purge water clear no sheen.
1450	65.45	100	11.12	0.931	3.82	7.17	-87	0.0	
1455	65.45	100	11.45	0.929	3.50	7.16	-95	0.0	
1500	65.45	100	11.63	0.940	3.25	7.16	-99	0.0	
1505	65.45	100	12.11	0.955	3.23	7.15	-86	0.0	
1510	65.45	100	12.37	0.965	3.34	7.15	-73	0.0	
1515	65.45	100	12.51	0.973	3.46	7.14	-60	0.0	
1520	65.45	100	12.53	0.985	3.74	7.13	-40	0.0	
1525	65.45	100	12.50	0.992	3.88	7.13	-33	0.0	
1530	65.45	100	12.56	0.989	3.94	7.12	-30	0.0	
1535	65.45	100	12.63	1.00	4.08	7.12	-22	0.0	
1540	65.45	100	12.59	1.01	4.34	7.12	-14	0.0	
1545	65.45	100	12.51	1.02	4.39	7.11	-5.0	0.0	
1550	65.45	100	12.57	1.03	4.45	7.10	-1.0	0.0	
1555	65.45	100	12.57	1.03	4.57	7.10	5.0	0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.
ND = Not Detected

Well Sampling Log

Job No:	190458	**Client:**	SWDM Myrtle LLC	**Well No:**	**MW-04**
Project Location:	1100 Myrtle Ave, Brooklyn New York 11206	**Sampled By:**	Antonio Cardenas		
Date:	1/27/2020	**Sampling Time:**	1620		
LEL at surface:	ND				
PID at surface:	ND				
Total Depth:	75.00 feet below top of casing	**Water Column (WC):**	9.55 feet	*= 0.163 * WC for 2" wells	
Depth to Water:	65.45 feet below top of casing	**Well Volume*:**	0.39 gallons	*= 0.653 * WC for 4" wells	
Depth to Product:	ND feet below top of casing	**Volume Purged:**	1.2 gallons	*= 1.469 * WC for 6" wells	
Depth to top of screen:	60.00 feet below top of casing	**Well Diameter:**	1 inch	Target maximum flow rate is 100 ml/min	
Depth to bottom of screen:	75.00 feet below top of casing	**Purging Device (pump type):**	Peristaltic Pump		
Approx. Pump Intake:	70.87 feet below top of casing				

Time	**Depth to Water** (Ft.)	**Purge Rate** (ml/min)	**Temp** (^{o}C)	**Conductivity** (mS/cm)	**DO** (mg/L)	**pH**	**ORP** (mV)	**Turbidity** (NTU)	**Comments** (problems, odor, sheen)
1600	65.45	100	12.01	1.05	4.77	7.09	12	0.0	Purge water clear no sheen.
1605	65.45	100	12.66	1.06	4.91	7.08	16	0.0	
1610	65.45	100	12.61	1.06	4.94	7.06	20	0.0	
1615	65.45	100	12.70	1.06	4.98	7.05	25	0.0	
Stabilization Criteria:				**+/- 3 mS/cm**	**+/- 0.3 mg/L**	**+/- 0.1 pH units**	**+/- 10 mV**	**<50 NTU**	If water quality parameters do not stabilize and/or turbidity is greater than 50 NTU within two hours, discontinue purging and collect sample.

Groundwater samples analyzed for TCL VOCs, TCL SVOC, Pesticides, PCBs, and TAL Metals.
ND = Not Detected

ATTACHMENT E
SOIL VAPOR SAMPLING LOGS

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 6610DT (Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	192	Inches	**Total Time of Purge:**	15	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	3	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.3	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-01	**SUMMA® Canister ID:**	5095
Flow Controller ID:	4997	**Soil Vapor Sample ID:**	SV-01_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1010	-30	ND	Exterior
Time Halfway:	1110	-20	ND	Exterior
Time Stopped:	1210	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-01_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 420M (Mobile Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/21/2020	**Weather:**	25°F Clear (Inside 60°F)

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	5	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	1	Liter
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	1.8	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-02	**SUMMA® Canister ID:**	3457
Flow Controller ID:	5217	**Soil Vapor Sample ID:**	SV-02_20200121

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	345	-28	ND	Interior
Time Halfway:	445	-10	ND	Interior
Time Stopped:	500	-8	ND	Interior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-02_20200121 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Electric Jackhammer
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	36	Inches	**Total Time of Purge:**	10	minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2	L
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	702.1	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-03	**SUMMA® Canister ID:**	4451
Flow Controller ID:	5195	**Soil Vapor Sample ID:**	SV-03_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1230	-30	ND	Interior in partial cellar
Time Halfway:	1315	-20	ND	Interior in partial cellar
Time Stopped:	1345	-10	ND	Interior in partial cellar

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-03_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 6610DT (Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	180	Inches	**Total Time of Purge:**	10	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	3	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	10.4	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-04	**SUMMA® Canister ID:**	3087
Flow Controller ID:	3133	**Soil Vapor Sample ID:**	SV-04_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1030	-30	ND	Exterior
Time Halfway:	1120	-20	ND	Exterior
Time Stopped:	1220	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-04_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 420M (Mobile Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/21/2020	**Weather:**	25°F Clear (Inside 60°F)

Sample Setup

Vapor Point Depth:	12	Inches	**Total Time of Purge:**	5	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	1	Liter
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	0.7	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-05	**SUMMA® Canister ID:**	5895
Flow Controller ID:	4766	**Soil Vapor Sample ID:**	SV-05_20200121

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	305	-30	0.1	Interior
Time Halfway:	400	-16	0.1	Interior
Time Stopped:	440	-6	0.1	Interior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-05_20200121 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 420M (Mobile Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	180	Inches	**Total Time of Purge:**	12	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2.4	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	10.4	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-06	**SUMMA® Canister ID:**	3464
Flow Controller ID:	4523	**Soil Vapor Sample ID:**	SV-06_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1050	-30	ND	Exterior; Perched water caused sample to run slowly
Time Halfway:	1150	-28	ND	Exterior
Time Stopped:	1320	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-06_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 6610DT (Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	240	Inches	**Total Time of Purge:**	15	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	3	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	100.6	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-07	**SUMMA® Canister ID:**	5106
Flow Controller ID:	4048	**Soil Vapor Sample ID:**	SV-07_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1311	-30	ND	Exterior
Time Halfway:	1400	-20	ND	Exterior
Time Stopped:	1428	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-07_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 6610DT (Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	180	Inches	**Total Time of Purge:**	15	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	3	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	1.3	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-08	**SUMMA® Canister ID:**	3271
Flow Controller ID:	3738	**Soil Vapor Sample ID:**	SV-08_20200124

Sample Collection

Time		**Vacuum (in/Hg)**	**Background PID**	**Notes**
Time Started:	1258	-30	ND	Exterior; Set at 4' higher than BOE due to perched water.
Time Halfway:	1350	-12	ND	Exterior
Time Stopped:	1400	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-08_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

Soil Vapor Sample Log

AKRF Project No:	190458	**Point Installed By:**	AARCO
Project Location:	1100 Myrtle Ave	**Installation Method:**	Geoprobe 6610DT (Direct Push Probe)
Client:	SWDM Myrtle LLC	**Sampled By:**	Matthew Levy
Date:	1/24/2020	**Weather:**	40°F Partly Cloudy

Sample Setup

Vapor Point Depth:	216	Inches	**Total Time of Purge:**	10	Minutes
Purging Pump:	Gilair Plus (or equal)		**Purge Volume:**	2	Liters
Pump Flow Rate*:	0.2	L/min	**Purged Vapor PID:**	2.1	ppm
			Helium Concentration:	ND	%

Sample Identification

Soil Vapor Point ID:	SV-09	**SUMMA® Canister ID:**	5047
Flow Controller ID:	2929	**Soil Vapor Sample ID:**	SV-09_20200124

Sample Collection

Time		Vacuum (in/Hg)	Background PID	Notes
Time Started:	1315	-30	ND	Exterior
Time Halfway:	1400	-18	ND	Exterior
Time Stopped:	1430	-10	ND	Exterior

Notes:

*Purge flow rate not to exceed 0.2 L/min.

ND = non-detect ppm = parts per million L/min = Liters per minute

Soil vapor sample SV-09_20200124 collected in a 6-L SUMMA® canister using a 2-hour flow controller.

ATTACHMENT F
LABORATORY ANALYTICAL DATA REPORTS

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-52315-1
Client Project/Site: 1100 Myrtle Ave, Brookyln

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Authorized for release by:
2/4/2020 1:21:36 PM
Thomas Chupela, Project Management Assistant I
thomas.chupela@testamericainc.com

Designee for

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Definitions/Glossary 3
Case Narrative 4
Detection Summary 6
Client Sample Results 24
QC Sample Results 71
QC Association Summary 97
Lab Chronicle 98
Certification Summary 100
Method Summary 101
Sample Summary 102
Canister QC Documents 103
Chain of Custody 106
Receipt Checklists 111
Clean Canister Certification 113
    Pre-Ship Certification 113
    Clean Canister Data 114
Air Canister Dilution 121

Definitions/Glossary

Client: AKRF Inc
Job ID: 200-52315-1
Project/Site: 1100 Myrtle Ave, Brookyln

Qualifiers

Air - GC/MS VOA

Qualifier	Qualifier Description
^	Instrument related QC is outside acceptance limits.
B	Compound was found in the blank and sample.
D	Sample results are obtained from a dilution; the surrogate or matrix spike recoveries reported are calculated from diluted samples.
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 200-52315-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 1100 Myrtle Ave, Brookyln

Report Number: 200-52315-1

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

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

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

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

RECEIPT

The samples were received on 1/22/2020 10:38 AM and 1/28/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice.

Receipt Exceptions

During the canister pressure check performed upon receipt, it was observed that the following sample was received at an elevated residual vacuum level: SV-07_20200124. The associated flow controller was evaluated upon receipt and was found to be within the acceptable flow range as compared to the original set flow rate.

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

VOLATILE ORGANICS (AMBIENT AIR)

Samples SV-05_20200121 (200-52315-1), SV-01_20200124 (200-52391-1), SV-02_20200121 (200-52315-2), SV-03_20200124 (200-52391-2), SV-04_20200124 (200-52391-3), SV-06_20200124 (200-52391-4), SV-07_20200124 (200-52391-5), SV-08_20200124 (200-52391-6) and SV-09_20200124 (200-52391-7) were analyzed for Volatile Organics (Ambient Air) in accordance with EPA Method TO15. The samples were analyzed on 01/23/2020, 01/31/2020 and 02/03/2020.

The initial calibration verification (ICV) result for batch 200-151871 was above the upper control limit. Sample results were non-detects, and have been reported as qualified data.

1,4-Dioxane was detected in method blank MB 200-151696/5 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Several analytes were detected in method blank MB 200-151871/5 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Job ID: 200-52315-1 (Continued)

Laboratory: Eurofins TestAmerica, Burlington (Continued)

2-Chlorotoluene, 4-Ethyltoluene and n-Propylbenzene were detected in method blank MB 200-151908/4 at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

Samples SV-05_20200121 (200-52315-1)[4X], SV-03_20200124 (200-52315-2)[1270X], SV-03_20200124 (200-52315-2)[260X], SV-02_20200121 (200-52315-2)[4X], SV-04_20200124 (200-52315-3)[20X], SV-07_20200124 (200-52315-5)[10X] and SV-08_20200124 (200-52315-6)[3.03X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the VOCs analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-05_20200121

Lab Sample ID: 200-52315-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	190		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.1	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.34	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	12		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	1.8		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	9.2		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.52	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	100	E	12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	17		12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	11		1.6	0.23	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	3.9	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	6.8		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	22		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	27		0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	3.7	J	15	0.19	ug/m3	1		TO-15	Total/NA
Cyclohexane	20		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	1.1		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	420	E	0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	4.0		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	27		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.23		0.20	0.19	ug/m3	1		TO-15	Total/NA
1,4-Dioxane	0.31	J B	18	0.30	ug/m3	1		TO-15	Total/NA
Toluene	40		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	37		1.4	0.22	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	3.2		2.0	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	42		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	190		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	200	E	0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	25		0.98	0.17	ug/m3	1		TO-15	Total/NA
1,1,2,2-Tetrachloroethane	2.1		1.4	0.29	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	46		0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	37		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	150		0.98	0.19	ug/m3	1		TO-15	Total/NA
tert-Butylbenzene	0.28	J	1.1	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	360	E	0.98	0.22	ug/m3	1		TO-15	Total/NA
sec-Butylbenzene	18		1.1	0.19	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	7.9		1.1	0.21	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	12		1.1	0.21	ug/m3	1		TO-15	Total/NA
Naphthalene	12		2.6	0.89	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	280	D	9.9	2.2	ug/m3	4		TO-15	Total/NA
n-Butane - DL	13	D	4.8	1.0	ug/m3	4		TO-15	Total/NA
1,3-Butadiene - DL	2.0	D	1.8	0.50	ug/m3	4		TO-15	Total/NA
Trichlorofluoromethane - DL	11	D	4.5	1.3	ug/m3	4		TO-15	Total/NA
Acetone - DL	85	D	48	11	ug/m3	4		TO-15	Total/NA
Isopropyl alcohol - DL	15	J D	49	4.7	ug/m3	4		TO-15	Total/NA
Carbon disulfide - DL	9.9	D	6.2	0.92	ug/m3	4		TO-15	Total/NA
tert-Butyl alcohol - DL	4.0	J D	61	0.46	ug/m3	4		TO-15	Total/NA
n-Hexane - DL	6.2	D	2.8	2.8	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	18	D	5.9	0.85	ug/m3	4		TO-15	Total/NA
Chloroform - DL	24	D	3.9	0.62	ug/m3	4		TO-15	Total/NA
Tetrahydrofuran - DL	2.9	J D	59	0.78	ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample ID: SV-05_20200121 (Continued)

Lab Sample ID: 200-52315-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cyclohexane - DL	18	D	2.8	0.63	ug/m3	4		TO-15	Total/NA
Carbon tetrachloride - DL	0.97	D	0.88	0.60	ug/m3	4		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	380	D	3.7	0.77	ug/m3	4		TO-15	Total/NA
Benzene - DL	3.8	D	2.6	0.86	ug/m3	4		TO-15	Total/NA
n-Heptane - DL	20	D	3.3	0.92	ug/m3	4		TO-15	Total/NA
Toluene - DL	36	D	3.0	1.7	ug/m3	4		TO-15	Total/NA
Tetrachloroethene - DL	38	D	5.4	0.90	ug/m3	4		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	2.6	J D	8.2	0.79	ug/m3	4		TO-15	Total/NA
Ethylbenzene - DL	38	D	3.5	1.1	ug/m3	4		TO-15	Total/NA
m,p-Xylene - DL	180	D	8.7	1.7	ug/m3	4		TO-15	Total/NA
o-Xylene - DL	190	D	3.5	0.83	ug/m3	4		TO-15	Total/NA
Cumene - DL	24	D	3.9	0.69	ug/m3	4		TO-15	Total/NA
n-Propylbenzene - DL	41	D	3.9	0.77	ug/m3	4		TO-15	Total/NA
4-Ethyltoluene - DL	31	D	3.9	0.81	ug/m3	4		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	130	D	3.9	0.77	ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	360	D	3.9	0.87	ug/m3	4		TO-15	Total/NA
sec-Butylbenzene - DL	16	D	4.4	0.77	ug/m3	4		TO-15	Total/NA
4-Isopropyltoluene - DL	7.0	D	4.4	0.86	ug/m3	4		TO-15	Total/NA
n-Butylbenzene - DL	11	D	4.4	0.86	ug/m3	4		TO-15	Total/NA
Naphthalene - DL	8.0	J D	10	3.6	ug/m3	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	39		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.30	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.16	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	5.3		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.80		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	1.6		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.068	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	42	E	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	7.0		5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	3.5		0.50	0.074	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	1.3	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	1.9		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	7.6		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	5.5		0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	1.2	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
Cyclohexane	5.8		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.17		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	89	E	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	1.3		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	6.6		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.044		0.037	0.035	ppb v/v	1		TO-15	Total/NA
1,4-Dioxane	0.087	J B	5.0	0.084	ppb v/v	1		TO-15	Total/NA
Toluene	11		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	5.4		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.79		0.50	0.048	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	9.6		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	43		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	47	E	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	5.1		0.20	0.035	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-05_20200121 (Continued)

Lab Sample ID: 200-52315-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,1,2,2-Tetrachloroethane	0.31		0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	9.4		0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	7.5		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	30		0.20	0.039	ppb v/v	1		TO-15	Total/NA
tert-Butylbenzene	0.051	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	74	E	0.20	0.044	ppb v/v	1		TO-15	Total/NA
sec-Butylbenzene	3.2		0.20	0.035	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	1.4		0.20	0.039	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	2.2		0.20	0.039	ppb v/v	1		TO-15	Total/NA
Naphthalene	2.2		0.50	0.17	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	56	D	2.0	0.44	ppb v/v	4		TO-15	Total/NA
n-Butane - DL	5.5	D	2.0	0.44	ppb v/v	4		TO-15	Total/NA
1,3-Butadiene - DL	0.91	D	0.80	0.23	ppb v/v	4		TO-15	Total/NA
Trichlorofluoromethane - DL	1.9	D	0.80	0.24	ppb v/v	4		TO-15	Total/NA
Acetone - DL	36	D	20	4.8	ppb v/v	4		TO-15	Total/NA
Isopropyl alcohol - DL	6.3	J D	20	1.9	ppb v/v	4		TO-15	Total/NA
Carbon disulfide - DL	3.2	D	2.0	0.30	ppb v/v	4		TO-15	Total/NA
tert-Butyl alcohol - DL	1.3	J D	20	0.15	ppb v/v	4		TO-15	Total/NA
n-Hexane - DL	1.8	D	0.80	0.80	ppb v/v	4		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	6.1	D	2.0	0.29	ppb v/v	4		TO-15	Total/NA
Chloroform - DL	4.8	D	0.80	0.13	ppb v/v	4		TO-15	Total/NA
Tetrahydrofuran - DL	1.0	J D	20	0.26	ppb v/v	4		TO-15	Total/NA
Cyclohexane - DL	5.3	D	0.80	0.18	ppb v/v	4		TO-15	Total/NA
Carbon tetrachloride - DL	0.15	D	0.14	0.096	ppb v/v	4		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	81	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
Benzene - DL	1.2	D	0.80	0.27	ppb v/v	4		TO-15	Total/NA
n-Heptane - DL	4.9	D	0.80	0.22	ppb v/v	4		TO-15	Total/NA
Toluene - DL	9.5	D	0.80	0.44	ppb v/v	4		TO-15	Total/NA
Tetrachloroethene - DL	5.6	D	0.80	0.13	ppb v/v	4		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	0.64	J D	2.0	0.19	ppb v/v	4		TO-15	Total/NA
Ethylbenzene - DL	8.7	D	0.80	0.25	ppb v/v	4		TO-15	Total/NA
m,p-Xylene - DL	40	D	2.0	0.40	ppb v/v	4		TO-15	Total/NA
o-Xylene - DL	45	D	0.80	0.19	ppb v/v	4		TO-15	Total/NA
Cumene - DL	4.8	D	0.80	0.14	ppb v/v	4		TO-15	Total/NA
n-Propylbenzene - DL	8.4	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
4-Ethyltoluene - DL	6.4	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	27	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	73	D	0.80	0.18	ppb v/v	4		TO-15	Total/NA
sec-Butylbenzene - DL	2.9	D	0.80	0.14	ppb v/v	4		TO-15	Total/NA
4-Isopropyltoluene - DL	1.3	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
n-Butylbenzene - DL	2.1	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
Naphthalene - DL	1.5	J D	2.0	0.68	ppb v/v	4		TO-15	Total/NA

Client Sample ID: SV-02_20200121

Lab Sample ID: 200-52315-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	300	E	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.2		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.89	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	16		1.2	0.26	ug/m3	1		TO-15	Total/NA
Vinyl chloride	0.66		0.20	0.11	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-02_20200121 (Continued)

Lab Sample ID: 200-52315-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene	0.60		0.44	0.13	ug/m3	1		TO-15	Total/NA
Bromoethene(Vinyl Bromide)	0.32	J	0.87	0.23	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	2.3		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.53	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	43		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	3.4	J	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	2.2		1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	4.7		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	1.8	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	30		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	8.6		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	3.1		0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	1.5	J	15	0.19	ug/m3	1		TO-15	Total/NA
Cyclohexane	42		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.34		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	33		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	9.7		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	75		0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	14		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	11		1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	2.1		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	8.9		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	3.5		0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	0.75	J	0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.58	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.54	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.97	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.3		0.98	0.22	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	360	D	9.9	2.2	ug/m3	4		TO-15	Total/NA
Chlorodifluoromethane - DL	2.6	J D	7.1	1.7	ug/m3	4		TO-15	Total/NA
Chloromethane - DL	0.96	J D	4.1	0.91	ug/m3	4		TO-15	Total/NA
n-Butane - DL	16	D	4.8	1.0	ug/m3	4		TO-15	Total/NA
Vinyl chloride - DL	0.63	J D	0.80	0.45	ug/m3	4		TO-15	Total/NA
1,3-Butadiene - DL	0.74	J D	1.8	0.50	ug/m3	4		TO-15	Total/NA
Trichlorofluoromethane - DL	2.4	J D	4.5	1.3	ug/m3	4		TO-15	Total/NA
Acetone - DL	43	J D	48	11	ug/m3	4		TO-15	Total/NA
Isopropyl alcohol - DL	4.8	J D	49	4.7	ug/m3	4		TO-15	Total/NA
Carbon disulfide - DL	2.4	J D	6.2	0.92	ug/m3	4		TO-15	Total/NA
Methylene Chloride - DL	5.0	J D	6.9	3.8	ug/m3	4		TO-15	Total/NA
tert-Butyl alcohol - DL	1.7	J D	61	0.46	ug/m3	4		TO-15	Total/NA
n-Hexane - DL	30	D	2.8	2.8	ug/m3	4		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	8.2	D	5.9	0.85	ug/m3	4		TO-15	Total/NA
Chloroform - DL	3.3	J D	3.9	0.62	ug/m3	4		TO-15	Total/NA
Cyclohexane - DL	43	D	2.8	0.63	ug/m3	4		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	34	D	3.7	0.77	ug/m3	4		TO-15	Total/NA
Benzene - DL	9.9	D	2.6	0.86	ug/m3	4		TO-15	Total/NA
n-Heptane - DL	80	D	3.3	0.92	ug/m3	4		TO-15	Total/NA
Toluene - DL	15	D	3.0	1.7	ug/m3	4		TO-15	Total/NA
Tetrachloroethene - DL	11	D	5.4	0.90	ug/m3	4		TO-15	Total/NA
Ethylbenzene - DL	2.3	J D	3.5	1.1	ug/m3	4		TO-15	Total/NA
m,p-Xylene - DL	8.8	D	8.7	1.7	ug/m3	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-02_20200121 (Continued)

Lab Sample ID: 200-52315-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene - DL	3.6	D	3.5	0.83	ug/m3	4		TO-15	Total/NA
Cumene - DL	0.78	J D	3.9	0.69	ug/m3	4		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	1.1	J D	3.9	0.77	ug/m3	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	1.3	J D	3.9	0.87	ug/m3	4		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	61	E	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.63		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.43	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	6.5		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.26		0.078	0.044	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.27		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Bromoethene(Vinyl Bromide)	0.073	J	0.20	0.052	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.41		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.070	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	18		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.4	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.72		0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.4		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.58	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	8.4		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	2.9		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.64		0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.50	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
Cyclohexane	12		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.053		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	7.0		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	3.0		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	18		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	3.7		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.6		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.49		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	2.0		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.81		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	0.15	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.12	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.11	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.20	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.25		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	74	D	2.0	0.44	ppb v/v	4		TO-15	Total/NA
Chlorodifluoromethane - DL	0.74	J D	2.0	0.48	ppb v/v	4		TO-15	Total/NA
Chloromethane - DL	0.46	J D	2.0	0.44	ppb v/v	4		TO-15	Total/NA
n-Butane - DL	6.6	D	2.0	0.44	ppb v/v	4		TO-15	Total/NA
Vinyl chloride - DL	0.25	J D	0.31	0.18	ppb v/v	4		TO-15	Total/NA
1,3-Butadiene - DL	0.34	J D	0.80	0.23	ppb v/v	4		TO-15	Total/NA
Trichlorofluoromethane - DL	0.43	J D	0.80	0.24	ppb v/v	4		TO-15	Total/NA
Acetone - DL	18	J D	20	4.8	ppb v/v	4		TO-15	Total/NA
Isopropyl alcohol - DL	1.9	J D	20	1.9	ppb v/v	4		TO-15	Total/NA
Carbon disulfide - DL	0.76	J D	2.0	0.30	ppb v/v	4		TO-15	Total/NA
Methylene Chloride - DL	1.4	J D	2.0	1.1	ppb v/v	4		TO-15	Total/NA
tert-Butyl alcohol - DL	0.58	J D	20	0.15	ppb v/v	4		TO-15	Total/NA
n-Hexane - DL	8.4	D	0.80	0.80	ppb v/v	4		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-02_20200121 (Continued)

Lab Sample ID: 200-52315-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl Ethyl Ketone (2-Butanone) - DL	2.8	D	2.0	0.29	ppb v/v	4		TO-15	Total/NA
Chloroform - DL	0.67	J D	0.80	0.13	ppb v/v	4		TO-15	Total/NA
Cyclohexane - DL	13	D	0.80	0.18	ppb v/v	4		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	7.2	D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
Benzene - DL	3.1	D	0.80	0.27	ppb v/v	4		TO-15	Total/NA
n-Heptane - DL	20	D	0.80	0.22	ppb v/v	4		TO-15	Total/NA
Toluene - DL	3.9	D	0.80	0.44	ppb v/v	4		TO-15	Total/NA
Tetrachloroethene - DL	1.7	D	0.80	0.13	ppb v/v	4		TO-15	Total/NA
Ethylbenzene - DL	0.52	J D	0.80	0.25	ppb v/v	4		TO-15	Total/NA
m,p-Xylene - DL	2.0	D	2.0	0.40	ppb v/v	4		TO-15	Total/NA
o-Xylene - DL	0.82	D	0.80	0.19	ppb v/v	4		TO-15	Total/NA
Cumene - DL	0.16	J D	0.80	0.14	ppb v/v	4		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.22	J D	0.80	0.16	ppb v/v	4		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.27	J D	0.80	0.18	ppb v/v	4		TO-15	Total/NA

Client Sample ID: SV-01_20200124

Lab Sample ID: 200-52391-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	14		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.8		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.84	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	49		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.92		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.5		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.48	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	20		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	2.6	J	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	3.0		1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.5	J	1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.40	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	17		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	60		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	26		0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.47	J	15	0.19	ug/m3	1		TO-15	Total/NA
Cyclohexane	3.2		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.48		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	6.1		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	4.3		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	20		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	0.42		0.20	0.19	ug/m3	1		TO-15	Total/NA
Toluene	30		0.75	0.41	ug/m3	1		TO-15	Total/NA
1,1,2-Trichloroethane	0.48	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	7.3		1.4	0.22	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	12		2.0	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	5.0		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	16		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	5.7		0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	0.58	J	0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.88	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.0		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.0		0.98	0.19	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-01_20200124 (Continued)

Lab Sample ID: 200-52391-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,2,4-Trimethylbenzene	2.6		0.98	0.22	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.24	J	1.1	0.21	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.8		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.51		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.41	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	20		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.41		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.27		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.063	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	8.5		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.1	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.98		0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.43	J	0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.13	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	4.8		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	20		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	5.3		0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.16	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.93		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.076		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	1.3		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	1.4		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	4.9		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.077		0.037	0.035	ppb v/v	1		TO-15	Total/NA
Toluene	7.9		0.20	0.11	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichloroethane	0.088	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.1		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.9		0.50	0.048	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.1		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	3.6		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.3		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	0.12	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.18	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.21		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.21		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.52		0.20	0.044	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.044	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA

Client Sample ID: SV-03_20200124

Lab Sample ID: 200-52391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	13000		310	68	ug/m3	260		TO-15	Total/NA
n-Hexane	110000	E	180	180	ug/m3	260		TO-15	Total/NA
Cyclohexane	40000	E	180	41	ug/m3	260		TO-15	Total/NA
2,2,4-Trimethylpentane	18000		240	50	ug/m3	260		TO-15	Total/NA
Benzene	2800		170	56	ug/m3	260		TO-15	Total/NA
n-Heptane	95000	E	210	60	ug/m3	260		TO-15	Total/NA
Toluene	22000		200	110	ug/m3	260		TO-15	Total/NA
Ethylbenzene	5500		230	71	ug/m3	260		TO-15	Total/NA
m,p-Xylene	30000		560	110	ug/m3	260		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-03_20200124 (Continued)

Lab Sample ID: 200-52391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
o-Xylene	7000		230	54	ug/m3	260		TO-15	Total/NA
Cumene	970		260	45	ug/m3	260		TO-15	Total/NA
n-Propylbenzene	560		260	50	ug/m3	260		TO-15	Total/NA
4-Ethyltoluene	730		260	52	ug/m3	260		TO-15	Total/NA
1,3,5-Trimethylbenzene	920		260	50	ug/m3	260		TO-15	Total/NA
1,2,4-Trimethylbenzene	850		260	56	ug/m3	260		TO-15	Total/NA
sec-Butylbenzene	51	J	290	50	ug/m3	260		TO-15	Total/NA
n-Butane - DL	12000	D	1500	330	ug/m3	1270		TO-15	Total/NA
n-Hexane - DL	130000	D	900	900	ug/m3	1270		TO-15	Total/NA
Cyclohexane - DL	43000	D	870	200	ug/m3	1270		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	21000	D	1200	240	ug/m3	1270		TO-15	Total/NA
Benzene - DL	2900	D	810	270	ug/m3	1270		TO-15	Total/NA
n-Heptane - DL	120000	D	1000	290	ug/m3	1270		TO-15	Total/NA
Toluene - DL	26000	D	960	530	ug/m3	1270		TO-15	Total/NA
Ethylbenzene - DL	4800	D	1100	350	ug/m3	1270		TO-15	Total/NA
m,p-Xylene - DL	27000	D	2800	550	ug/m3	1270		TO-15	Total/NA
o-Xylene - DL	6400	D	1100	260	ug/m3	1270		TO-15	Total/NA
Cumene - DL	900	J D	1200	220	ug/m3	1270		TO-15	Total/NA
n-Propylbenzene - DL	550	J D	1200	240	ug/m3	1270		TO-15	Total/NA
4-Ethyltoluene - DL	610	J D	1200	260	ug/m3	1270		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	890	J D	1200	240	ug/m3	1270		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	740	J D	1200	270	ug/m3	1270		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
n-Butane	5300		130	29	ppb v/v	260		TO-15	Total/NA
n-Hexane	31000	E	52	52	ppb v/v	260		TO-15	Total/NA
Cyclohexane	12000	E	52	12	ppb v/v	260		TO-15	Total/NA
2,2,4-Trimethylpentane	3900		52	11	ppb v/v	260		TO-15	Total/NA
Benzene	870		52	17	ppb v/v	260		TO-15	Total/NA
n-Heptane	23000	E	52	15	ppb v/v	260		TO-15	Total/NA
Toluene	5900		52	29	ppb v/v	260		TO-15	Total/NA
Ethylbenzene	1300		52	16	ppb v/v	260		TO-15	Total/NA
m,p-Xylene	7000		130	26	ppb v/v	260		TO-15	Total/NA
o-Xylene	1600		52	12	ppb v/v	260		TO-15	Total/NA
Cumene	200		52	9.1	ppb v/v	260		TO-15	Total/NA
n-Propylbenzene	110		52	10	ppb v/v	260		TO-15	Total/NA
4-Ethyltoluene	150		52	11	ppb v/v	260		TO-15	Total/NA
1,3,5-Trimethylbenzene	190		52	10	ppb v/v	260		TO-15	Total/NA
1,2,4-Trimethylbenzene	170		52	11	ppb v/v	260		TO-15	Total/NA
sec-Butylbenzene	9.3	J	52	9.1	ppb v/v	260		TO-15	Total/NA
n-Butane - DL	4900	D	630	140	ppb v/v	1270		TO-15	Total/NA
n-Hexane - DL	38000	D	250	250	ppb v/v	1270		TO-15	Total/NA
Cyclohexane - DL	13000	D	250	58	ppb v/v	1270		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	4600	D	250	52	ppb v/v	1270		TO-15	Total/NA
Benzene - DL	910	D	250	85	ppb v/v	1270		TO-15	Total/NA
n-Heptane - DL	29000	D	250	71	ppb v/v	1270		TO-15	Total/NA
Toluene - DL	6900	D	250	140	ppb v/v	1270		TO-15	Total/NA
Ethylbenzene - DL	1100	D	250	80	ppb v/v	1270		TO-15	Total/NA
m,p-Xylene - DL	6300	D	640	130	ppb v/v	1270		TO-15	Total/NA
o-Xylene - DL	1500	D	250	61	ppb v/v	1270		TO-15	Total/NA
Cumene - DL	180	J D	250	44	ppb v/v	1270		TO-15	Total/NA
n-Propylbenzene - DL	110	J D	250	50	ppb v/v	1270		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-03_20200124 (Continued)

Lab Sample ID: 200-52391-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Ethyltoluene - DL	120	J D	250	52	ppb v/v	1270		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	180	J D	250	50	ppb v/v	1270		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	150	J D	250	56	ppb v/v	1270		TO-15	Total/NA

Client Sample ID: SV-04_20200124

Lab Sample ID: 200-52391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	4.0		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.9		1.8	0.42	ug/m3	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	39		1.4	0.24	ug/m3	1		TO-15	Total/NA
Chloromethane	3.6		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	920	E	1.2	0.26	ug/m3	1		TO-15	Total/NA
Vinyl chloride	1.4		0.20	0.11	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	120	E	0.44	0.13	ug/m3	1		TO-15	Total/NA
Chloroethane	0.42	J	1.3	0.14	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.9		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.38	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	110	E	12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	3.7	J	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	15		1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	4.0		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	6.0	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	210	E	0.70	0.70	ug/m3	1		TO-15	Total/NA
1,1-Dichloroethane	0.63	J	0.81	0.17	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	98		1.5	0.21	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	2.3		0.20	0.18	ug/m3	1		TO-15	Total/NA
Chloroform	0.19	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Cyclohexane	62		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.25		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	250	E	0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	51		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	160		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	2.5		0.20	0.19	ug/m3	1		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone)	21		2.0	0.15	ug/m3	1		TO-15	Total/NA
Toluene	220	E	0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	14		1.4	0.22	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	33		2.0	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	41		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	110		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	46		0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	4.3		0.98	0.17	ug/m3	1		TO-15	Total/NA
1,1,2,2-Tetrachloroethane	0.55	J	1.4	0.29	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	5.7		0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	5.8		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	5.3		0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	12		0.98	0.22	ug/m3	1		TO-15	Total/NA
sec-Butylbenzene	0.82	J	1.1	0.19	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.42	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
n-Butylbenzene	0.49	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane - DL	41	D	28	4.9	ug/m3	20		TO-15	Total/NA
n-Butane - DL	1300	D	24	5.2	ug/m3	20		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-04_20200124 (Continued)

Lab Sample ID: 200-52391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
1,3-Butadiene - DL	120	D	8.8	2.5	ug/m3	20		TO-15	Total/NA
Acetone - DL	110	J D	240	57	ug/m3	20		TO-15	Total/NA
Carbon disulfide - DL	16	J D	31	4.6	ug/m3	20		TO-15	Total/NA
tert-Butyl alcohol - DL	6.8	J D	300	2.3	ug/m3	20		TO-15	Total/NA
n-Hexane - DL	240	D	14	14	ug/m3	20		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	86	D	29	4.2	ug/m3	20		TO-15	Total/NA
Cyclohexane - DL	66	D	14	3.2	ug/m3	20		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	290	D	19	3.8	ug/m3	20		TO-15	Total/NA
Benzene - DL	55	D	13	4.3	ug/m3	20		TO-15	Total/NA
n-Heptane - DL	170	D	16	4.6	ug/m3	20		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) - DL	21	J D	41	2.9	ug/m3	20		TO-15	Total/NA
Toluene - DL	310	D	15	8.3	ug/m3	20		TO-15	Total/NA
Tetrachloroethene - DL	18	J D	27	4.5	ug/m3	20		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	18	J D	41	3.9	ug/m3	20		TO-15	Total/NA
Ethylbenzene - DL	42	D	17	5.5	ug/m3	20		TO-15	Total/NA
m,p-Xylene - DL	120	D	43	8.7	ug/m3	20		TO-15	Total/NA
o-Xylene - DL	50	D	17	4.2	ug/m3	20		TO-15	Total/NA
Cumene - DL	5.6	J D	20	3.4	ug/m3	20		TO-15	Total/NA
n-Propylbenzene - DL	6.5	J D	20	3.8	ug/m3	20		TO-15	Total/NA
4-Ethyltoluene - DL	6.6	J D	20	4.0	ug/m3	20		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	7.2	J D	20	3.8	ug/m3	20		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	14	J D	20	4.3	ug/m3	20		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.81		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.83		0.50	0.12	ppb v/v	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane	5.6		0.20	0.035	ppb v/v	1		TO-15	Total/NA
Chloromethane	1.8		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	390	E	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Vinyl chloride	0.55		0.078	0.044	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	56	E	0.20	0.057	ppb v/v	1		TO-15	Total/NA
Chloroethane	0.16	J	0.50	0.054	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.34		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.050	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	48	E	5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.5	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	4.7		0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	1.1		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	2.0	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	61	E	0.20	0.20	ppb v/v	1		TO-15	Total/NA
1,1-Dichloroethane	0.16	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	33		0.50	0.072	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.57		0.050	0.045	ppb v/v	1		TO-15	Total/NA
Chloroform	0.038	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Cyclohexane	18		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.039		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	53	E	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	16		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	39		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichloroethene	0.47		0.037	0.035	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-04_20200124 (Continued)

Lab Sample ID: 200-52391-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0		0.50	0.036	ppb v/v	1		TO-15	Total/NA
Toluene	59	E	0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	2.0		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	8.0		0.50	0.048	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	9.3		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	26		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	11		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	0.87		0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,1,2,2-Tetrachloroethane	0.080	J	0.20	0.042	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	1.2		0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	1.2		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.1		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	2.5		0.20	0.044	ppb v/v	1		TO-15	Total/NA
sec-Butylbenzene	0.15	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.077	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
n-Butylbenzene	0.090	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2-Dichlorotetrafluoroethane - DL	5.9	D	4.0	0.70	ppb v/v	20		TO-15	Total/NA
n-Butane - DL	530	D	10	2.2	ppb v/v	20		TO-15	Total/NA
1,3-Butadiene - DL	56	D	4.0	1.1	ppb v/v	20		TO-15	Total/NA
Acetone - DL	44	J D	100	24	ppb v/v	20		TO-15	Total/NA
Carbon disulfide - DL	5.2	J D	10	1.5	ppb v/v	20		TO-15	Total/NA
tert-Butyl alcohol - DL	2.2	J D	100	0.76	ppb v/v	20		TO-15	Total/NA
n-Hexane - DL	69	D	4.0	4.0	ppb v/v	20		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	29	D	10	1.4	ppb v/v	20		TO-15	Total/NA
Cyclohexane - DL	19	D	4.0	0.92	ppb v/v	20		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	63	D	4.0	0.82	ppb v/v	20		TO-15	Total/NA
Benzene - DL	17	D	4.0	1.3	ppb v/v	20		TO-15	Total/NA
n-Heptane - DL	42	D	4.0	1.1	ppb v/v	20		TO-15	Total/NA
4-Methyl-2-pentanone (Methyl isobutyl ketone) - DL	5.1	J D	10	0.72	ppb v/v	20		TO-15	Total/NA
Toluene - DL	83	D	4.0	2.2	ppb v/v	20		TO-15	Total/NA
Tetrachloroethene - DL	2.6	J D	4.0	0.66	ppb v/v	20		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	4.5	J D	10	0.96	ppb v/v	20		TO-15	Total/NA
Ethylbenzene - DL	9.6	D	4.0	1.3	ppb v/v	20		TO-15	Total/NA
m,p-Xylene - DL	27	D	10	2.0	ppb v/v	20		TO-15	Total/NA
o-Xylene - DL	12	D	4.0	0.96	ppb v/v	20		TO-15	Total/NA
Cumene - DL	1.1	J D	4.0	0.70	ppb v/v	20		TO-15	Total/NA
n-Propylbenzene - DL	1.3	J D	4.0	0.78	ppb v/v	20		TO-15	Total/NA
4-Ethyltoluene - DL	1.3	J D	4.0	0.82	ppb v/v	20		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	1.5	J D	4.0	0.78	ppb v/v	20		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	2.8	J D	4.0	0.88	ppb v/v	20		TO-15	Total/NA

Client Sample ID: SV-06_20200124

Lab Sample ID: 200-52391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.0	J	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	2.3		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.2		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	18		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	0.73		0.44	0.13	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-06_20200124 (Continued)

Lab Sample ID: 200-52391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.54	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	12		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	3.7	J	12	1.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	1.0	J	1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.23	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	2.4		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	3.9		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.22	J	0.98	0.16	ug/m3	1		TO-15	Total/NA
Tetrahydrofuran	0.30	J	15	0.19	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.83		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.41		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	2.3		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	1.7		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	2.3		0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	5.9		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	1.2	J	1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.0		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	3.3		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	1.2		0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	0.18	J	0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.25	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.33	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.34	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	1.0		0.98	0.22	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.40	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.64		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.59		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	7.6		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.33		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.21		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.071	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	5.1		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	1.5	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.29	J	0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.077	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.67		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.3		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.046	J	0.20	0.032	ppb v/v	1		TO-15	Total/NA
Tetrahydrofuran	0.10	J	5.0	0.066	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.24		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.065		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.50		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	0.55		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.56		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	1.6		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.18	J	0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.24		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	0.77		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.29		0.20	0.048	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-06_20200124 (Continued)

Lab Sample ID: 200-52391-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cumene	0.036	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.051	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.068	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.070	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.21		0.20	0.044	ppb v/v	1		TO-15	Total/NA

Client Sample ID: SV-07_20200124

Lab Sample ID: 200-52391-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	880	E	2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.5	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
n-Butane	9.3		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	2.7		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	6.2		1.1	0.34	ug/m3	1		TO-15	Total/NA
Acetone	29		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	1.5	J	12	1.2	ug/m3	1		TO-15	Total/NA
Carbon disulfide	1.1	J	1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.3		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.73	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	120		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	5.6		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	12		0.98	0.16	ug/m3	1		TO-15	Total/NA
Cyclohexane	60		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.38		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	41		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	9.2		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	380	E	0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	250	E	0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	7.9		1.4	0.22	ug/m3	1		TO-15	Total/NA
Ethylbenzene	160		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	880	E	2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	230	E	0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	35		0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	26		0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	29		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	34		0.98	0.19	ug/m3	1		TO-15	Total/NA
tert-Butylbenzene	0.27	J	1.1	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	33		0.98	0.22	ug/m3	1		TO-15	Total/NA
sec-Butylbenzene	1.9		1.1	0.19	ug/m3	1		TO-15	Total/NA
4-Isopropyltoluene	0.55	J	1.1	0.21	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	1100	D	25	5.4	ug/m3	10		TO-15	Total/NA
n-Butane - DL	9.6	J D	12	2.6	ug/m3	10		TO-15	Total/NA
1,3-Butadiene - DL	2.8	J D	4.4	1.3	ug/m3	10		TO-15	Total/NA
Trichlorofluoromethane - DL	6.3	J D	11	3.4	ug/m3	10		TO-15	Total/NA
n-Hexane - DL	99	D	7.0	7.0	ug/m3	10		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	4.6	J D	15	2.1	ug/m3	10		TO-15	Total/NA
Chloroform - DL	9.2	J D	9.8	1.6	ug/m3	10		TO-15	Total/NA
Cyclohexane - DL	52	D	6.9	1.6	ug/m3	10		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	34	D	9.3	1.9	ug/m3	10		TO-15	Total/NA
Benzene - DL	8.3	D	6.4	2.1	ug/m3	10		TO-15	Total/NA
n-Heptane - DL	380	D	8.2	2.3	ug/m3	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-07_20200124 (Continued)

Lab Sample ID: 200-52391-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Toluene - DL	250	D	7.5	4.1	ug/m3	10		TO-15	Total/NA
Tetrachloroethene - DL	8.0	J D	14	2.2	ug/m3	10		TO-15	Total/NA
Ethylbenzene - DL	150	D	8.7	2.7	ug/m3	10		TO-15	Total/NA
m,p-Xylene - DL	940	D	22	4.3	ug/m3	10		TO-15	Total/NA
o-Xylene - DL	210	D	8.7	2.1	ug/m3	10		TO-15	Total/NA
Cumene - DL	31	D	9.8	1.7	ug/m3	10		TO-15	Total/NA
n-Propylbenzene - DL	20	D	9.8	1.9	ug/m3	10		TO-15	Total/NA
4-Ethyltoluene - DL	23	D	9.8	2.0	ug/m3	10		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	28	D	9.8	1.9	ug/m3	10		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	25	D	9.8	2.2	ug/m3	10		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	180	E	0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.42	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
n-Butane	3.9		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	1.2		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	1.1		0.20	0.060	ppb v/v	1		TO-15	Total/NA
Acetone	12		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.62	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	0.37	J	0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.67		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.24	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	33		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.9		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	2.5		0.20	0.032	ppb v/v	1		TO-15	Total/NA
Cyclohexane	17		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.061		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	8.9		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	2.9		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	94	E	0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	65	E	0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	1.2		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	36		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	200	E	0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	52	E	0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	7.1		0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	5.3		0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	5.9		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	7.0		0.20	0.039	ppb v/v	1		TO-15	Total/NA
tert-Butylbenzene	0.050	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	6.7		0.20	0.044	ppb v/v	1		TO-15	Total/NA
sec-Butylbenzene	0.35		0.20	0.035	ppb v/v	1		TO-15	Total/NA
4-Isopropyltoluene	0.099	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	210	D	5.0	1.1	ppb v/v	10		TO-15	Total/NA
n-Butane - DL	4.1	J D	5.0	1.1	ppb v/v	10		TO-15	Total/NA
1,3-Butadiene - DL	1.3	J D	2.0	0.57	ppb v/v	10		TO-15	Total/NA
Trichlorofluoromethane - DL	1.1	J D	2.0	0.60	ppb v/v	10		TO-15	Total/NA
n-Hexane - DL	28	D	2.0	2.0	ppb v/v	10		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	1.5	J D	5.0	0.72	ppb v/v	10		TO-15	Total/NA
Chloroform - DL	1.9	J D	2.0	0.32	ppb v/v	10		TO-15	Total/NA
Cyclohexane - DL	15	D	2.0	0.46	ppb v/v	10		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	7.2	D	2.0	0.41	ppb v/v	10		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-07_20200124 (Continued)

Lab Sample ID: 200-52391-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene - DL	2.6	D	2.0	0.67	ppb v/v	10		TO-15	Total/NA
n-Heptane - DL	94	D	2.0	0.56	ppb v/v	10		TO-15	Total/NA
Toluene - DL	67	D	2.0	1.1	ppb v/v	10		TO-15	Total/NA
Tetrachloroethene - DL	1.2	J D	2.0	0.33	ppb v/v	10		TO-15	Total/NA
Ethylbenzene - DL	34	D	2.0	0.63	ppb v/v	10		TO-15	Total/NA
m,p-Xylene - DL	220	D	5.0	1.0	ppb v/v	10		TO-15	Total/NA
o-Xylene - DL	48	D	2.0	0.48	ppb v/v	10		TO-15	Total/NA
Cumene - DL	6.4	D	2.0	0.35	ppb v/v	10		TO-15	Total/NA
n-Propylbenzene - DL	4.1	D	2.0	0.39	ppb v/v	10		TO-15	Total/NA
4-Ethyltoluene - DL	4.8	D	2.0	0.41	ppb v/v	10		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	5.7	D	2.0	0.39	ppb v/v	10		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	5.2	D	2.0	0.44	ppb v/v	10		TO-15	Total/NA

Client Sample ID: SV-08_20200124

Lab Sample ID: 200-52391-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	2.6		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	1.5	J	1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	1.7		1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	110	E	1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	25		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	1.2		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.60	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	19		12	2.9	ug/m3	1		TO-15	Total/NA
Carbon disulfide	4.1		1.6	0.23	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.5		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.81	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	29		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	60		1.5	0.21	ug/m3	1		TO-15	Total/NA
Chloroform	0.99		0.98	0.16	ug/m3	1		TO-15	Total/NA
Cyclohexane	6.9		0.69	0.16	ug/m3	1		TO-15	Total/NA
Carbon tetrachloride	0.25		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	19		0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	8.7		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	24		0.82	0.23	ug/m3	1		TO-15	Total/NA
Toluene	69		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	5.7		1.4	0.22	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	9.5		2.0	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	8.2		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	26		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	7.2		0.87	0.21	ug/m3	1		TO-15	Total/NA
Cumene	0.68	J	0.98	0.17	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	1.2		0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	1.5		0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	1.1		0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	3.2		0.98	0.22	ug/m3	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	3.1	J D	7.5	1.6	ug/m3	3.03		TO-15	Total/NA
Chlorodifluoromethane - DL	1.6	J D	5.4	1.3	ug/m3	3.03		TO-15	Total/NA
Chloromethane - DL	1.7	J D	3.1	0.69	ug/m3	3.03		TO-15	Total/NA
n-Butane - DL	110	D	3.6	0.79	ug/m3	3.03		TO-15	Total/NA
1,3-Butadiene - DL	23	D	1.3	0.38	ug/m3	3.03		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-08_20200124 (Continued)

Lab Sample ID: 200-52391-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Trichlorofluoromethane - DL	1.2	J D	3.4	1.0	ug/m3	3.03		TO-15	Total/NA
Acetone - DL	17	J D	36	8.6	ug/m3	3.03		TO-15	Total/NA
Carbon disulfide - DL	3.9	J D	4.7	0.70	ug/m3	3.03		TO-15	Total/NA
tert-Butyl alcohol - DL	0.71	J D	46	0.35	ug/m3	3.03		TO-15	Total/NA
n-Hexane - DL	26	D	2.1	2.1	ug/m3	3.03		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	54	D	4.5	0.64	ug/m3	3.03		TO-15	Total/NA
Chloroform - DL	0.62	J D	3.0	0.47	ug/m3	3.03		TO-15	Total/NA
Cyclohexane - DL	6.3	D	2.1	0.48	ug/m3	3.03		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	17	D	2.8	0.58	ug/m3	3.03		TO-15	Total/NA
Benzene - DL	7.9	D	1.9	0.65	ug/m3	3.03		TO-15	Total/NA
n-Heptane - DL	22	D	2.5	0.70	ug/m3	3.03		TO-15	Total/NA
Toluene - DL	68	D	2.3	1.3	ug/m3	3.03		TO-15	Total/NA
Tetrachloroethene - DL	5.6	D	4.1	0.68	ug/m3	3.03		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	7.3	D	6.2	0.60	ug/m3	3.03		TO-15	Total/NA
Ethylbenzene - DL	7.1	D	2.6	0.83	ug/m3	3.03		TO-15	Total/NA
m,p-Xylene - DL	23	D	6.6	1.3	ug/m3	3.03		TO-15	Total/NA
o-Xylene - DL	5.6	D	2.6	0.63	ug/m3	3.03		TO-15	Total/NA
Cumene - DL	0.52	J D	3.0	0.52	ug/m3	3.03		TO-15	Total/NA
n-Propylbenzene - DL	0.93	J D	3.0	0.58	ug/m3	3.03		TO-15	Total/NA
4-Ethyltoluene - DL	1.3	J D	3.0	0.61	ug/m3	3.03		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.86	J D	3.0	0.58	ug/m3	3.03		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	2.3	J D	3.0	0.66	ug/m3	3.03		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	0.52		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	0.42	J	0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.85		0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	45	E	0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	11		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.22		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.078	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	7.8		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Carbon disulfide	1.3		0.50	0.074	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.72		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.27	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	8.1		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	20		0.50	0.072	ppb v/v	1		TO-15	Total/NA
Chloroform	0.20		0.20	0.032	ppb v/v	1		TO-15	Total/NA
Cyclohexane	2.0		0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.040		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	4.2		0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	2.7		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	5.9		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Toluene	18		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	0.85		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	2.3		0.50	0.048	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	1.9		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	6.0		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	1.7		0.20	0.048	ppb v/v	1		TO-15	Total/NA
Cumene	0.14	J	0.20	0.035	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.25		0.20	0.039	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-08_20200124 (Continued)

Lab Sample ID: 200-52391-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4-Ethyltoluene	0.31		0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.22		0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.64		0.20	0.044	ppb v/v	1		TO-15	Total/NA
Dichlorodifluoromethane - DL	0.62	J D	1.5	0.33	ppb v/v	3.03		TO-15	Total/NA
Chlorodifluoromethane - DL	0.45	J D	1.5	0.36	ppb v/v	3.03		TO-15	Total/NA
Chloromethane - DL	0.85	J D	1.5	0.33	ppb v/v	3.03		TO-15	Total/NA
n-Butane - DL	45	D	1.5	0.33	ppb v/v	3.03		TO-15	Total/NA
1,3-Butadiene - DL	10	D	0.61	0.17	ppb v/v	3.03		TO-15	Total/NA
Trichlorofluoromethane - DL	0.22	J D	0.61	0.18	ppb v/v	3.03		TO-15	Total/NA
Acetone - DL	7.3	J D	15	3.6	ppb v/v	3.03		TO-15	Total/NA
Carbon disulfide - DL	1.3	J D	1.5	0.22	ppb v/v	3.03		TO-15	Total/NA
tert-Butyl alcohol - DL	0.23	J D	15	0.12	ppb v/v	3.03		TO-15	Total/NA
n-Hexane - DL	7.5	D	0.61	0.61	ppb v/v	3.03		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone) - DL	18	D	1.5	0.22	ppb v/v	3.03		TO-15	Total/NA
Chloroform - DL	0.13	J D	0.61	0.097	ppb v/v	3.03		TO-15	Total/NA
Cyclohexane - DL	1.8	D	0.61	0.14	ppb v/v	3.03		TO-15	Total/NA
2,2,4-Trimethylpentane - DL	3.6	D	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
Benzene - DL	2.5	D	0.61	0.20	ppb v/v	3.03		TO-15	Total/NA
n-Heptane - DL	5.3	D	0.61	0.17	ppb v/v	3.03		TO-15	Total/NA
Toluene - DL	18	D	0.61	0.33	ppb v/v	3.03		TO-15	Total/NA
Tetrachloroethene - DL	0.83	D	0.61	0.10	ppb v/v	3.03		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone) - DL	1.8	D	1.5	0.15	ppb v/v	3.03		TO-15	Total/NA
Ethylbenzene - DL	1.6	D	0.61	0.19	ppb v/v	3.03		TO-15	Total/NA
m,p-Xylene - DL	5.3	D	1.5	0.30	ppb v/v	3.03		TO-15	Total/NA
o-Xylene - DL	1.3	D	0.61	0.15	ppb v/v	3.03		TO-15	Total/NA
Cumene - DL	0.10	J D	0.61	0.11	ppb v/v	3.03		TO-15	Total/NA
n-Propylbenzene - DL	0.19	J D	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
4-Ethyltoluene - DL	0.26	J D	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
1,3,5-Trimethylbenzene - DL	0.18	J D	0.61	0.12	ppb v/v	3.03		TO-15	Total/NA
1,2,4-Trimethylbenzene - DL	0.46	J D	0.61	0.13	ppb v/v	3.03		TO-15	Total/NA

Client Sample ID: SV-09_20200124

Lab Sample ID: 200-52391-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	140		2.5	0.54	ug/m3	1		TO-15	Total/NA
Chlorodifluoromethane	8.0		1.8	0.42	ug/m3	1		TO-15	Total/NA
Chloromethane	0.97	J	1.0	0.23	ug/m3	1		TO-15	Total/NA
n-Butane	8.8		1.2	0.26	ug/m3	1		TO-15	Total/NA
1,3-Butadiene	1.9		0.44	0.13	ug/m3	1		TO-15	Total/NA
Trichlorofluoromethane	3.1		1.1	0.34	ug/m3	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.52	J	1.5	0.29	ug/m3	1		TO-15	Total/NA
Acetone	22		12	2.9	ug/m3	1		TO-15	Total/NA
Isopropyl alcohol	1.6	J	12	1.2	ug/m3	1		TO-15	Total/NA
Methylene Chloride	2.4		1.7	0.94	ug/m3	1		TO-15	Total/NA
tert-Butyl alcohol	0.62	J	15	0.12	ug/m3	1		TO-15	Total/NA
n-Hexane	2.5		0.70	0.70	ug/m3	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	4.9		1.5	0.21	ug/m3	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.25		0.20	0.18	ug/m3	1		TO-15	Total/NA
Chloroform	7.5		0.98	0.16	ug/m3	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.66	J	1.1	0.20	ug/m3	1		TO-15	Total/NA
Cyclohexane	0.53	J	0.69	0.16	ug/m3	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SV-09_20200124 (Continued)

Lab Sample ID: 200-52391-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbon tetrachloride	0.76		0.22	0.15	ug/m3	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.61	J	0.93	0.19	ug/m3	1		TO-15	Total/NA
Benzene	1.5		0.64	0.21	ug/m3	1		TO-15	Total/NA
n-Heptane	3.4		0.82	0.23	ug/m3	1		TO-15	Total/NA
Trichloroethene	5.6		0.20	0.19	ug/m3	1		TO-15	Total/NA
Toluene	8.8		0.75	0.41	ug/m3	1		TO-15	Total/NA
Tetrachloroethene	94		1.4	0.22	ug/m3	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.40	J	2.0	0.20	ug/m3	1		TO-15	Total/NA
Ethylbenzene	1.3		0.87	0.27	ug/m3	1		TO-15	Total/NA
m,p-Xylene	4.7		2.2	0.43	ug/m3	1		TO-15	Total/NA
o-Xylene	1.2		0.87	0.21	ug/m3	1		TO-15	Total/NA
n-Propylbenzene	0.33	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
4-Ethyltoluene	0.45	J	0.98	0.20	ug/m3	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.37	J	0.98	0.19	ug/m3	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.93	J	0.98	0.22	ug/m3	1		TO-15	Total/NA

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dichlorodifluoromethane	27		0.50	0.11	ppb v/v	1		TO-15	Total/NA
Chlorodifluoromethane	2.3		0.50	0.12	ppb v/v	1		TO-15	Total/NA
Chloromethane	0.47	J	0.50	0.11	ppb v/v	1		TO-15	Total/NA
n-Butane	3.7		0.50	0.11	ppb v/v	1		TO-15	Total/NA
1,3-Butadiene	0.84		0.20	0.057	ppb v/v	1		TO-15	Total/NA
Trichlorofluoromethane	0.55		0.20	0.060	ppb v/v	1		TO-15	Total/NA
1,1,2-Trichlorotrifluoroethane	0.068	J	0.20	0.038	ppb v/v	1		TO-15	Total/NA
Acetone	9.4		5.0	1.2	ppb v/v	1		TO-15	Total/NA
Isopropyl alcohol	0.65	J	5.0	0.48	ppb v/v	1		TO-15	Total/NA
Methylene Chloride	0.70		0.50	0.27	ppb v/v	1		TO-15	Total/NA
tert-Butyl alcohol	0.20	J	5.0	0.038	ppb v/v	1		TO-15	Total/NA
n-Hexane	0.70		0.20	0.20	ppb v/v	1		TO-15	Total/NA
Methyl Ethyl Ketone (2-Butanone)	1.7		0.50	0.072	ppb v/v	1		TO-15	Total/NA
cis-1,2-Dichloroethene	0.064		0.050	0.045	ppb v/v	1		TO-15	Total/NA
Chloroform	1.5		0.20	0.032	ppb v/v	1		TO-15	Total/NA
1,1,1-Trichloroethane	0.12	J	0.20	0.036	ppb v/v	1		TO-15	Total/NA
Cyclohexane	0.15	J	0.20	0.046	ppb v/v	1		TO-15	Total/NA
Carbon tetrachloride	0.12		0.035	0.024	ppb v/v	1		TO-15	Total/NA
2,2,4-Trimethylpentane	0.13	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
Benzene	0.48		0.20	0.067	ppb v/v	1		TO-15	Total/NA
n-Heptane	0.84		0.20	0.056	ppb v/v	1		TO-15	Total/NA
Trichloroethene	1.1		0.037	0.035	ppb v/v	1		TO-15	Total/NA
Toluene	2.3		0.20	0.11	ppb v/v	1		TO-15	Total/NA
Tetrachloroethene	14		0.20	0.033	ppb v/v	1		TO-15	Total/NA
Methyl Butyl Ketone (2-Hexanone)	0.098	J	0.50	0.048	ppb v/v	1		TO-15	Total/NA
Ethylbenzene	0.31		0.20	0.063	ppb v/v	1		TO-15	Total/NA
m,p-Xylene	1.1		0.50	0.10	ppb v/v	1		TO-15	Total/NA
o-Xylene	0.27		0.20	0.048	ppb v/v	1		TO-15	Total/NA
n-Propylbenzene	0.067	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
4-Ethyltoluene	0.091	J	0.20	0.041	ppb v/v	1		TO-15	Total/NA
1,3,5-Trimethylbenzene	0.075	J	0.20	0.039	ppb v/v	1		TO-15	Total/NA
1,2,4-Trimethylbenzene	0.19	J	0.20	0.044	ppb v/v	1		TO-15	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample Results

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-05_20200121
Date Collected: 01/21/20 04:40
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**190**		2.5	0.54	ug/m3			01/23/20 17:24	1
Chlorodifluoromethane	**1.1**	**J**	1.8	0.42	ug/m3			01/23/20 17:24	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/23/20 17:24	1
Chloromethane	**0.34**	**J**	1.0	0.23	ug/m3			01/23/20 17:24	1
n-Butane	**12**		1.2	0.26	ug/m3			01/23/20 17:24	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/23/20 17:24	1
1,3-Butadiene	**1.8**		0.44	0.13	ug/m3			01/23/20 17:24	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/23/20 17:24	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/23/20 17:24	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/23/20 17:24	1
Trichlorofluoromethane	**9.2**		1.1	0.34	ug/m3			01/23/20 17:24	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.29	ug/m3			01/23/20 17:24	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/23/20 17:24	1
Acetone	**100**	**E**	12	2.9	ug/m3			01/23/20 17:24	1
Isopropyl alcohol	**17**		12	1.2	ug/m3			01/23/20 17:24	1
Carbon disulfide	**11**		1.6	0.23	ug/m3			01/23/20 17:24	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/23/20 17:24	1
Methylene Chloride	1.7	U	1.7	0.94	ug/m3			01/23/20 17:24	1
tert-Butyl alcohol	**3.9**	**J**	15	0.12	ug/m3			01/23/20 17:24	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/23/20 17:24	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/23/20 17:24	1
n-Hexane	**6.8**		0.70	0.70	ug/m3			01/23/20 17:24	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/23/20 17:24	1
Methyl Ethyl Ketone (2-Butanone)	**22**		1.5	0.21	ug/m3			01/23/20 17:24	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/23/20 17:24	1
Chloroform	**27**		0.98	0.16	ug/m3			01/23/20 17:24	1
Tetrahydrofuran	**3.7**	**J**	15	0.19	ug/m3			01/23/20 17:24	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 17:24	1
Cyclohexane	**20**		0.69	0.16	ug/m3			01/23/20 17:24	1
Carbon tetrachloride	**1.1**		0.22	0.15	ug/m3			01/23/20 17:24	1
2,2,4-Trimethylpentane	**420**	**E**	0.93	0.19	ug/m3			01/23/20 17:24	1
Benzene	**4.0**		0.64	0.21	ug/m3			01/23/20 17:24	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/23/20 17:24	1
n-Heptane	**27**		0.82	0.23	ug/m3			01/23/20 17:24	1
Trichloroethene	**0.23**		0.20	0.19	ug/m3			01/23/20 17:24	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/23/20 17:24	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/23/20 17:24	1
1,4-Dioxane	**0.31**	**J B**	18	0.30	ug/m3			01/23/20 17:24	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/23/20 17:24	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/23/20 17:24	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/23/20 17:24	1
Toluene	**40**		0.75	0.41	ug/m3			01/23/20 17:24	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/23/20 17:24	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 17:24	1
Tetrachloroethene	**37**		1.4	0.22	ug/m3			01/23/20 17:24	1
Methyl Butyl Ketone (2-Hexanone)	**3.2**		2.0	0.20	ug/m3			01/23/20 17:24	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/23/20 17:24	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/23/20 17:24	1

Client Sample ID: SV-05_20200121

Lab Sample ID: 200-52315-1

Date Collected: 01/21/20 04:40
Matrix: Air
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/23/20 17:24	1
Ethylbenzene	**42**		0.87	0.27	ug/m3			01/23/20 17:24	1
m,p-Xylene	**190**		2.2	0.43	ug/m3			01/23/20 17:24	1
o-Xylene	**200**	**E**	0.87	0.21	ug/m3			01/23/20 17:24	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/23/20 17:24	1
Bromoform	2.1	U	2.1	0.50	ug/m3			01/23/20 17:24	1
Cumene	**25**		0.98	0.17	ug/m3			01/23/20 17:24	1
1,1,2,2-Tetrachloroethane	**2.1**		1.4	0.29	ug/m3			01/23/20 17:24	1
n-Propylbenzene	**46**		0.98	0.19	ug/m3			01/23/20 17:24	1
4-Ethyltoluene	**37**		0.98	0.20	ug/m3			01/23/20 17:24	1
1,3,5-Trimethylbenzene	**150**		0.98	0.19	ug/m3			01/23/20 17:24	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/23/20 17:24	1
tert-Butylbenzene	**0.28**	**J**	1.1	0.19	ug/m3			01/23/20 17:24	1
1,2,4-Trimethylbenzene	**360**	**E**	0.98	0.22	ug/m3			01/23/20 17:24	1
sec-Butylbenzene	**18**		1.1	0.19	ug/m3			01/23/20 17:24	1
4-Isopropyltoluene	**7.9**		1.1	0.21	ug/m3			01/23/20 17:24	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/23/20 17:24	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/23/20 17:24	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/23/20 17:24	1
n-Butylbenzene	**12**		1.1	0.21	ug/m3			01/23/20 17:24	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/23/20 17:24	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/23/20 17:24	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/23/20 17:24	1
Naphthalene	**12**		2.6	0.89	ug/m3			01/23/20 17:24	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**39**		0.50	0.11	ppb v/v			01/23/20 17:24	1
Chlorodifluoromethane	**0.30**	**J**	0.50	0.12	ppb v/v			01/23/20 17:24	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 17:24	1
Chloromethane	**0.16**	**J**	0.50	0.11	ppb v/v			01/23/20 17:24	1
n-Butane	**5.3**		0.50	0.11	ppb v/v			01/23/20 17:24	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/23/20 17:24	1
1,3-Butadiene	**0.80**		0.20	0.057	ppb v/v			01/23/20 17:24	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/23/20 17:24	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/23/20 17:24	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/23/20 17:24	1
Trichlorofluoromethane	**1.6**		0.20	0.060	ppb v/v			01/23/20 17:24	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.038	ppb v/v			01/23/20 17:24	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/23/20 17:24	1
Acetone	**42**	**E**	5.0	1.2	ppb v/v			01/23/20 17:24	1
Isopropyl alcohol	**7.0**		5.0	0.48	ppb v/v			01/23/20 17:24	1
Carbon disulfide	**3.5**		0.50	0.074	ppb v/v			01/23/20 17:24	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/23/20 17:24	1
Methylene Chloride	0.50	U	0.50	0.27	ppb v/v			01/23/20 17:24	1
tert-Butyl alcohol	**1.3**	**J**	5.0	0.038	ppb v/v			01/23/20 17:24	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/23/20 17:24	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/23/20 17:24	1
n-Hexane	**1.9**		0.20	0.20	ppb v/v			01/23/20 17:24	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/23/20 17:24	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-05_20200121
Date Collected: 01/21/20 04:40
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**7.6**		0.50	0.072	ppb v/v			01/23/20 17:24	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/23/20 17:24	1
Chloroform	**5.5**		0.20	0.032	ppb v/v			01/23/20 17:24	1
Tetrahydrofuran	**1.2**	**J**	5.0	0.066	ppb v/v			01/23/20 17:24	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 17:24	1
Cyclohexane	**5.8**		0.20	0.046	ppb v/v			01/23/20 17:24	1
Carbon tetrachloride	**0.17**		0.035	0.024	ppb v/v			01/23/20 17:24	1
2,2,4-Trimethylpentane	**89**	**E**	0.20	0.041	ppb v/v			01/23/20 17:24	1
Benzene	**1.3**		0.20	0.067	ppb v/v			01/23/20 17:24	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/23/20 17:24	1
n-Heptane	**6.6**		0.20	0.056	ppb v/v			01/23/20 17:24	1
Trichloroethene	**0.044**		0.037	0.035	ppb v/v			01/23/20 17:24	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/23/20 17:24	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/23/20 17:24	1
1,4-Dioxane	**0.087**	**J B**	5.0	0.084	ppb v/v			01/23/20 17:24	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 17:24	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/23/20 17:24	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/23/20 17:24	1
Toluene	**11**		0.20	0.11	ppb v/v			01/23/20 17:24	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/23/20 17:24	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 17:24	1
Tetrachloroethene	**5.4**		0.20	0.033	ppb v/v			01/23/20 17:24	1
Methyl Butyl Ketone (2-Hexanone)	**0.79**		0.50	0.048	ppb v/v			01/23/20 17:24	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 17:24	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/23/20 17:24	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/23/20 17:24	1
Ethylbenzene	**9.6**		0.20	0.063	ppb v/v			01/23/20 17:24	1
m,p-Xylene	**43**		0.50	0.10	ppb v/v			01/23/20 17:24	1
o-Xylene	**47**	**E**	0.20	0.048	ppb v/v			01/23/20 17:24	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/23/20 17:24	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			01/23/20 17:24	1
Cumene	**5.1**		0.20	0.035	ppb v/v			01/23/20 17:24	1
1,1,2,2-Tetrachloroethane	**0.31**		0.20	0.042	ppb v/v			01/23/20 17:24	1
n-Propylbenzene	**9.4**		0.20	0.039	ppb v/v			01/23/20 17:24	1
4-Ethyltoluene	**7.5**		0.20	0.041	ppb v/v			01/23/20 17:24	1
1,3,5-Trimethylbenzene	**30**		0.20	0.039	ppb v/v			01/23/20 17:24	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/23/20 17:24	1
tert-Butylbenzene	**0.051**	**J**	0.20	0.035	ppb v/v			01/23/20 17:24	1
1,2,4-Trimethylbenzene	**74**	**E**	0.20	0.044	ppb v/v			01/23/20 17:24	1
sec-Butylbenzene	**3.2**		0.20	0.035	ppb v/v			01/23/20 17:24	1
4-Isopropyltoluene	**1.4**		0.20	0.039	ppb v/v			01/23/20 17:24	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/23/20 17:24	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/23/20 17:24	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/23/20 17:24	1
n-Butylbenzene	**2.2**		0.20	0.039	ppb v/v			01/23/20 17:24	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/23/20 17:24	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/23/20 17:24	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/23/20 17:24	1

Client Sample ID: SV-05_20200121
Date Collected: 01/21/20 04:40
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**2.2**		0.50	0.17	ppb v/v			01/23/20 17:24	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**280**	**D**	9.9	2.2	ug/m3			01/23/20 18:13	4
Chlorodifluoromethane	7.1	U	7.1	1.7	ug/m3			01/23/20 18:13	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	0.98	ug/m3			01/23/20 18:13	4
Chloromethane	4.1	U	4.1	0.91	ug/m3			01/23/20 18:13	4
n-Butane	**13**	**D**	4.8	1.0	ug/m3			01/23/20 18:13	4
Vinyl chloride	0.80	U	0.80	0.45	ug/m3			01/23/20 18:13	4
1,3-Butadiene	**2.0**	**D**	1.8	0.50	ug/m3			01/23/20 18:13	4
Bromomethane	3.1	U	3.1	0.79	ug/m3			01/23/20 18:13	4
Chloroethane	5.3	U	5.3	0.57	ug/m3			01/23/20 18:13	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.91	ug/m3			01/23/20 18:13	4
Trichlorofluoromethane	**11**	**D**	4.5	1.3	ug/m3			01/23/20 18:13	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.2	ug/m3			01/23/20 18:13	4
1,1-Dichloroethene	0.80	U	0.80	0.62	ug/m3			01/23/20 18:13	4
Acetone	**85**	**D**	48	11	ug/m3			01/23/20 18:13	4
Isopropyl alcohol	**15**	**J D**	49	4.7	ug/m3			01/23/20 18:13	4
Carbon disulfide	**9.9**	**D**	6.2	0.92	ug/m3			01/23/20 18:13	4
3-Chloropropene	6.3	U	6.3	0.80	ug/m3			01/23/20 18:13	4
Methylene Chloride	6.9	U	6.9	3.8	ug/m3			01/23/20 18:13	4
tert-Butyl alcohol	**4.0**	**J D**	61	0.46	ug/m3			01/23/20 18:13	4
Methyl tert-butyl ether	2.9	U	2.9	0.48	ug/m3			01/23/20 18:13	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.67	ug/m3			01/23/20 18:13	4
n-Hexane	**6.2**	**D**	2.8	2.8	ug/m3			01/23/20 18:13	4
1,1-Dichloroethane	3.2	U	3.2	0.66	ug/m3			01/23/20 18:13	4
Methyl Ethyl Ketone (2-Butanone)	**18**	**D**	5.9	0.85	ug/m3			01/23/20 18:13	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.71	ug/m3			01/23/20 18:13	4
Chloroform	**24**	**D**	3.9	0.62	ug/m3			01/23/20 18:13	4
Tetrahydrofuran	**2.9**	**J D**	59	0.78	ug/m3			01/23/20 18:13	4
1,1,1-Trichloroethane	4.4	U	4.4	0.79	ug/m3			01/23/20 18:13	4
Cyclohexane	**18**	**D**	2.8	0.63	ug/m3			01/23/20 18:13	4
Carbon tetrachloride	**0.97**	**D**	0.88	0.60	ug/m3			01/23/20 18:13	4
2,2,4-Trimethylpentane	**380**	**D**	3.7	0.77	ug/m3			01/23/20 18:13	4
Benzene	**3.8**	**D**	2.6	0.86	ug/m3			01/23/20 18:13	4
1,2-Dichloroethane	3.2	U	3.2	0.52	ug/m3			01/23/20 18:13	4
n-Heptane	**20**	**D**	3.3	0.92	ug/m3			01/23/20 18:13	4
Trichloroethene	0.80	U	0.80	0.75	ug/m3			01/23/20 18:13	4
Methyl methacrylate	8.2	U	8.2	0.54	ug/m3			01/23/20 18:13	4
1,2-Dichloropropane	3.7	U	3.7	0.61	ug/m3			01/23/20 18:13	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/23/20 18:13	4
Bromodichloromethane	5.4	U	5.4	0.94	ug/m3			01/23/20 18:13	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.58	ug/m3			01/23/20 18:13	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	0.59	ug/m3			01/23/20 18:13	4
Toluene	**36**	**D**	3.0	1.7	ug/m3			01/23/20 18:13	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.71	ug/m3			01/23/20 18:13	4
1,1,2-Trichloroethane	4.4	U	4.4	0.79	ug/m3			01/23/20 18:13	4

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-05_20200121
Date Collected: 01/21/20 04:40
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Tetrachloroethene	**38**	**D**	5.4	0.90	ug/m3			01/23/20 18:13	4
Methyl Butyl Ketone (2-Hexanone)	**2.6**	**J D**	8.2	0.79	ug/m3			01/23/20 18:13	4
Dibromochloromethane	6.8	U	6.8	1.2	ug/m3			01/23/20 18:13	4
1,2-Dibromoethane	6.1	U	6.1	1.5	ug/m3			01/23/20 18:13	4
Chlorobenzene	3.7	U	3.7	1.0	ug/m3			01/23/20 18:13	4
Ethylbenzene	**38**	**D**	3.5	1.1	ug/m3			01/23/20 18:13	4
m,p-Xylene	**180**	**D**	8.7	1.7	ug/m3			01/23/20 18:13	4
o-Xylene	**190**	**D**	3.5	0.83	ug/m3			01/23/20 18:13	4
Styrene	3.4	U	3.4	0.68	ug/m3			01/23/20 18:13	4
Bromoform	8.3	U	8.3	2.0	ug/m3			01/23/20 18:13	4
Cumene	**24**	**D**	3.9	0.69	ug/m3			01/23/20 18:13	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/23/20 18:13	4
n-Propylbenzene	**41**	**D**	3.9	0.77	ug/m3			01/23/20 18:13	4
4-Ethyltoluene	**31**	**D**	3.9	0.81	ug/m3			01/23/20 18:13	4
1,3,5-Trimethylbenzene	**130**	**D**	3.9	0.77	ug/m3			01/23/20 18:13	4
2-Chlorotoluene	4.1	U	4.1	0.87	ug/m3			01/23/20 18:13	4
tert-Butylbenzene	4.4	U	4.4	0.77	ug/m3			01/23/20 18:13	4
1,2,4-Trimethylbenzene	**360**	**D**	3.9	0.87	ug/m3			01/23/20 18:13	4
sec-Butylbenzene	**16**	**D**	4.4	0.77	ug/m3			01/23/20 18:13	4
4-Isopropyltoluene	**7.0**	**D**	4.4	0.86	ug/m3			01/23/20 18:13	4
1,3-Dichlorobenzene	4.8	U	4.8	2.6	ug/m3			01/23/20 18:13	4
1,4-Dichlorobenzene	4.8	U	4.8	2.9	ug/m3			01/23/20 18:13	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/23/20 18:13	4
n-Butylbenzene	**11**	**D**	4.4	0.86	ug/m3			01/23/20 18:13	4
1,2-Dichlorobenzene	4.8	U	4.8	2.3	ug/m3			01/23/20 18:13	4
1,2,4-Trichlorobenzene	15	U	15	6.5	ug/m3			01/23/20 18:13	4
Hexachlorobutadiene	8.5	U	8.5	3.2	ug/m3			01/23/20 18:13	4
Naphthalene	**8.0**	**J D**	10	3.6	ug/m3			01/23/20 18:13	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**56**	**D**	2.0	0.44	ppb v/v			01/23/20 18:13	4
Chlorodifluoromethane	2.0	U	2.0	0.48	ppb v/v			01/23/20 18:13	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
Chloromethane	2.0	U	2.0	0.44	ppb v/v			01/23/20 18:13	4
n-Butane	**5.5**	**D**	2.0	0.44	ppb v/v			01/23/20 18:13	4
Vinyl chloride	0.31	U	0.31	0.18	ppb v/v			01/23/20 18:13	4
1,3-Butadiene	**0.91**	**D**	0.80	0.23	ppb v/v			01/23/20 18:13	4
Bromomethane	0.80	U	0.80	0.20	ppb v/v			01/23/20 18:13	4
Chloroethane	2.0	U	2.0	0.22	ppb v/v			01/23/20 18:13	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.21	ppb v/v			01/23/20 18:13	4
Trichlorofluoromethane	**1.9**	**D**	0.80	0.24	ppb v/v			01/23/20 18:13	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.15	ppb v/v			01/23/20 18:13	4
1,1-Dichloroethene	0.20	U	0.20	0.16	ppb v/v			01/23/20 18:13	4
Acetone	**36**	**D**	20	4.8	ppb v/v			01/23/20 18:13	4
Isopropyl alcohol	**6.3**	**J D**	20	1.9	ppb v/v			01/23/20 18:13	4
Carbon disulfide	**3.2**	**D**	2.0	0.30	ppb v/v			01/23/20 18:13	4
3-Chloropropene	2.0	U	2.0	0.26	ppb v/v			01/23/20 18:13	4
Methylene Chloride	2.0	U	2.0	1.1	ppb v/v			01/23/20 18:13	4
tert-Butyl alcohol	**1.3**	**J D**	20	0.15	ppb v/v			01/23/20 18:13	4

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-05_20200121
Date Collected: 01/21/20 04:40
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	0.80	U	0.80	0.13	ppb v/v			01/23/20 18:13	4
trans-1,2-Dichloroethene	0.80	U	0.80	0.17	ppb v/v			01/23/20 18:13	4
n-Hexane	**1.8**	**D**	0.80	0.80	ppb v/v			01/23/20 18:13	4
1,1-Dichloroethane	0.80	U	0.80	0.16	ppb v/v			01/23/20 18:13	4
Methyl Ethyl Ketone (2-Butanone)	**6.1**	**D**	2.0	0.29	ppb v/v			01/23/20 18:13	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ppb v/v			01/23/20 18:13	4
Chloroform	**4.8**	**D**	0.80	0.13	ppb v/v			01/23/20 18:13	4
Tetrahydrofuran	**1.0**	**J D**	20	0.26	ppb v/v			01/23/20 18:13	4
1,1,1-Trichloroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
Cyclohexane	**5.3**	**D**	0.80	0.18	ppb v/v			01/23/20 18:13	4
Carbon tetrachloride	**0.15**	**D**	0.14	0.096	ppb v/v			01/23/20 18:13	4
2,2,4-Trimethylpentane	**81**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
Benzene	**1.2**	**D**	0.80	0.27	ppb v/v			01/23/20 18:13	4
1,2-Dichloroethane	0.80	U	0.80	0.13	ppb v/v			01/23/20 18:13	4
n-Heptane	**4.9**	**D**	0.80	0.22	ppb v/v			01/23/20 18:13	4
Trichloroethene	0.15	U	0.15	0.14	ppb v/v			01/23/20 18:13	4
Methyl methacrylate	2.0	U	2.0	0.13	ppb v/v			01/23/20 18:13	4
1,2-Dichloropropane	0.80	U	0.80	0.13	ppb v/v			01/23/20 18:13	4
1,4-Dioxane	20	U	20	0.34	ppb v/v			01/23/20 18:13	4
Bromodichloromethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.13	ppb v/v			01/23/20 18:13	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.14	ppb v/v			01/23/20 18:13	4
Toluene	**9.5**	**D**	0.80	0.44	ppb v/v			01/23/20 18:13	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.16	ppb v/v			01/23/20 18:13	4
1,1,2-Trichloroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
Tetrachloroethene	**5.6**	**D**	0.80	0.13	ppb v/v			01/23/20 18:13	4
Methyl Butyl Ketone (2-Hexanone)	**0.64**	**J D**	2.0	0.19	ppb v/v			01/23/20 18:13	4
Dibromochloromethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
1,2-Dibromoethane	0.80	U	0.80	0.20	ppb v/v			01/23/20 18:13	4
Chlorobenzene	0.80	U	0.80	0.22	ppb v/v			01/23/20 18:13	4
Ethylbenzene	**8.7**	**D**	0.80	0.25	ppb v/v			01/23/20 18:13	4
m,p-Xylene	**40**	**D**	2.0	0.40	ppb v/v			01/23/20 18:13	4
o-Xylene	**45**	**D**	0.80	0.19	ppb v/v			01/23/20 18:13	4
Styrene	0.80	U	0.80	0.16	ppb v/v			01/23/20 18:13	4
Bromoform	0.80	U	0.80	0.19	ppb v/v			01/23/20 18:13	4
Cumene	**4.8**	**D**	0.80	0.14	ppb v/v			01/23/20 18:13	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/23/20 18:13	4
n-Propylbenzene	**8.4**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
4-Ethyltoluene	**6.4**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
1,3,5-Trimethylbenzene	**27**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
2-Chlorotoluene	0.80	U	0.80	0.17	ppb v/v			01/23/20 18:13	4
tert-Butylbenzene	0.80	U	0.80	0.14	ppb v/v			01/23/20 18:13	4
1,2,4-Trimethylbenzene	**73**	**D**	0.80	0.18	ppb v/v			01/23/20 18:13	4
sec-Butylbenzene	**2.9**	**D**	0.80	0.14	ppb v/v			01/23/20 18:13	4
4-Isopropyltoluene	**1.3**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
1,3-Dichlorobenzene	0.80	U	0.80	0.44	ppb v/v			01/23/20 18:13	4
1,4-Dichlorobenzene	0.80	U	0.80	0.48	ppb v/v			01/23/20 18:13	4
Benzyl chloride	0.80	U	0.80	0.34	ppb v/v			01/23/20 18:13	4

Client Sample ID: SV-05_20200121

Lab Sample ID: 200-52315-1

Date Collected: 01/21/20 04:40
Matrix: Air
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butylbenzene	**2.1**	**D**	0.80	0.16	ppb v/v			01/23/20 18:13	4
1,2-Dichlorobenzene	0.80	U	0.80	0.39	ppb v/v			01/23/20 18:13	4
1,2,4-Trichlorobenzene	2.0	U	2.0	0.88	ppb v/v			01/23/20 18:13	4
Hexachlorobutadiene	0.80	U	0.80	0.30	ppb v/v			01/23/20 18:13	4
Naphthalene	**1.5**	**J D**	2.0	0.68	ppb v/v			01/23/20 18:13	4

Client Sample ID: SV-02_20200121

Lab Sample ID: 200-52315-2

Date Collected: 01/21/20 05:00
Matrix: Air
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**300**	**E**	2.5	0.54	ug/m3			01/23/20 19:03	1
Chlorodifluoromethane	**2.2**		1.8	0.42	ug/m3			01/23/20 19:03	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/23/20 19:03	1
Chloromethane	**0.89**	**J**	1.0	0.23	ug/m3			01/23/20 19:03	1
n-Butane	**16**		1.2	0.26	ug/m3			01/23/20 19:03	1
Vinyl chloride	**0.66**		0.20	0.11	ug/m3			01/23/20 19:03	1
1,3-Butadiene	**0.60**		0.44	0.13	ug/m3			01/23/20 19:03	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/23/20 19:03	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/23/20 19:03	1
Bromoethene(Vinyl Bromide)	**0.32**	**J**	0.87	0.23	ug/m3			01/23/20 19:03	1
Trichlorofluoromethane	**2.3**		1.1	0.34	ug/m3			01/23/20 19:03	1
1,1,2-Trichlorotrifluoroethane	**0.53**	**J**	1.5	0.29	ug/m3			01/23/20 19:03	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/23/20 19:03	1
Acetone	**43**		12	2.9	ug/m3			01/23/20 19:03	1
Isopropyl alcohol	**3.4**	**J**	12	1.2	ug/m3			01/23/20 19:03	1
Carbon disulfide	**2.2**		1.6	0.23	ug/m3			01/23/20 19:03	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/23/20 19:03	1
Methylene Chloride	**4.7**		1.7	0.94	ug/m3			01/23/20 19:03	1
tert-Butyl alcohol	**1.8**	**J**	15	0.12	ug/m3			01/23/20 19:03	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/23/20 19:03	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/23/20 19:03	1
n-Hexane	**30**		0.70	0.70	ug/m3			01/23/20 19:03	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/23/20 19:03	1
Methyl Ethyl Ketone (2-Butanone)	**8.6**		1.5	0.21	ug/m3			01/23/20 19:03	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/23/20 19:03	1
Chloroform	**3.1**		0.98	0.16	ug/m3			01/23/20 19:03	1
Tetrahydrofuran	**1.5**	**J**	15	0.19	ug/m3			01/23/20 19:03	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 19:03	1
Cyclohexane	**42**		0.69	0.16	ug/m3			01/23/20 19:03	1
Carbon tetrachloride	**0.34**		0.22	0.15	ug/m3			01/23/20 19:03	1
2,2,4-Trimethylpentane	**33**		0.93	0.19	ug/m3			01/23/20 19:03	1
Benzene	**9.7**		0.64	0.21	ug/m3			01/23/20 19:03	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/23/20 19:03	1
n-Heptane	**75**		0.82	0.23	ug/m3			01/23/20 19:03	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			01/23/20 19:03	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/23/20 19:03	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-02_20200121
Date Collected: 01/21/20 05:00
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/23/20 19:03	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/23/20 19:03	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/23/20 19:03	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/23/20 19:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/23/20 19:03	1
Toluene	**14**		0.75	0.41	ug/m3			01/23/20 19:03	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/23/20 19:03	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 19:03	1
Tetrachloroethene	**11**		1.4	0.22	ug/m3			01/23/20 19:03	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			01/23/20 19:03	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/23/20 19:03	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/23/20 19:03	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/23/20 19:03	1
Ethylbenzene	**2.1**		0.87	0.27	ug/m3			01/23/20 19:03	1
m,p-Xylene	**8.9**		2.2	0.43	ug/m3			01/23/20 19:03	1
o-Xylene	**3.5**		0.87	0.21	ug/m3			01/23/20 19:03	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/23/20 19:03	1
Bromoform	2.1	U	2.1	0.50	ug/m3			01/23/20 19:03	1
Cumene	**0.75**	**J**	0.98	0.17	ug/m3			01/23/20 19:03	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			01/23/20 19:03	1
n-Propylbenzene	**0.58**	**J**	0.98	0.19	ug/m3			01/23/20 19:03	1
4-Ethyltoluene	**0.54**	**J**	0.98	0.20	ug/m3			01/23/20 19:03	1
1,3,5-Trimethylbenzene	**0.97**	**J**	0.98	0.19	ug/m3			01/23/20 19:03	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/23/20 19:03	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/23/20 19:03	1
1,2,4-Trimethylbenzene	**1.3**		0.98	0.22	ug/m3			01/23/20 19:03	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/23/20 19:03	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			01/23/20 19:03	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/23/20 19:03	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/23/20 19:03	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/23/20 19:03	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/23/20 19:03	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/23/20 19:03	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/23/20 19:03	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/23/20 19:03	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/23/20 19:03	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**61**	**E**	0.50	0.11	ppb v/v			01/23/20 19:03	1
Chlorodifluoromethane	**0.63**		0.50	0.12	ppb v/v			01/23/20 19:03	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 19:03	1
Chloromethane	**0.43**	**J**	0.50	0.11	ppb v/v			01/23/20 19:03	1
n-Butane	**6.5**		0.50	0.11	ppb v/v			01/23/20 19:03	1
Vinyl chloride	**0.26**		0.078	0.044	ppb v/v			01/23/20 19:03	1
1,3-Butadiene	**0.27**		0.20	0.057	ppb v/v			01/23/20 19:03	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/23/20 19:03	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/23/20 19:03	1
Bromoethene(Vinyl Bromide)	**0.073**	**J**	0.20	0.052	ppb v/v			01/23/20 19:03	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-02_20200121
Date Collected: 01/21/20 05:00
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	**0.41**		0.20	0.060	ppb v/v			01/23/20 19:03	1
1,1,2-Trichlorotrifluoroethane	**0.070**	**J**	0.20	0.038	ppb v/v			01/23/20 19:03	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/23/20 19:03	1
Acetone	**18**		5.0	1.2	ppb v/v			01/23/20 19:03	1
Isopropyl alcohol	**1.4**	**J**	5.0	0.48	ppb v/v			01/23/20 19:03	1
Carbon disulfide	**0.72**		0.50	0.074	ppb v/v			01/23/20 19:03	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/23/20 19:03	1
Methylene Chloride	**1.4**		0.50	0.27	ppb v/v			01/23/20 19:03	1
tert-Butyl alcohol	**0.58**	**J**	5.0	0.038	ppb v/v			01/23/20 19:03	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/23/20 19:03	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/23/20 19:03	1
n-Hexane	**8.4**		0.20	0.20	ppb v/v			01/23/20 19:03	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/23/20 19:03	1
Methyl Ethyl Ketone (2-Butanone)	**2.9**		0.50	0.072	ppb v/v			01/23/20 19:03	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/23/20 19:03	1
Chloroform	**0.64**		0.20	0.032	ppb v/v			01/23/20 19:03	1
Tetrahydrofuran	**0.50**	**J**	5.0	0.066	ppb v/v			01/23/20 19:03	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 19:03	1
Cyclohexane	**12**		0.20	0.046	ppb v/v			01/23/20 19:03	1
Carbon tetrachloride	**0.053**		0.035	0.024	ppb v/v			01/23/20 19:03	1
2,2,4-Trimethylpentane	**7.0**		0.20	0.041	ppb v/v			01/23/20 19:03	1
Benzene	**3.0**		0.20	0.067	ppb v/v			01/23/20 19:03	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/23/20 19:03	1
n-Heptane	**18**		0.20	0.056	ppb v/v			01/23/20 19:03	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			01/23/20 19:03	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/23/20 19:03	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/23/20 19:03	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/23/20 19:03	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 19:03	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/23/20 19:03	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/23/20 19:03	1
Toluene	**3.7**		0.20	0.11	ppb v/v			01/23/20 19:03	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/23/20 19:03	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 19:03	1
Tetrachloroethene	**1.6**		0.20	0.033	ppb v/v			01/23/20 19:03	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			01/23/20 19:03	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 19:03	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/23/20 19:03	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/23/20 19:03	1
Ethylbenzene	**0.49**		0.20	0.063	ppb v/v			01/23/20 19:03	1
m,p-Xylene	**2.0**		0.50	0.10	ppb v/v			01/23/20 19:03	1
o-Xylene	**0.81**		0.20	0.048	ppb v/v			01/23/20 19:03	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/23/20 19:03	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			01/23/20 19:03	1
Cumene	**0.15**	**J**	0.20	0.035	ppb v/v			01/23/20 19:03	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			01/23/20 19:03	1
n-Propylbenzene	**0.12**	**J**	0.20	0.039	ppb v/v			01/23/20 19:03	1
4-Ethyltoluene	**0.11**	**J**	0.20	0.041	ppb v/v			01/23/20 19:03	1

Client Sample ID: SV-02_20200121 — **Lab Sample ID: 200-52315-2**
Date Collected: 01/21/20 05:00 — **Matrix: Air**
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**0.20**	**J**	0.20	0.039	ppb v/v			01/23/20 19:03	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/23/20 19:03	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/23/20 19:03	1
1,2,4-Trimethylbenzene	**0.25**		0.20	0.044	ppb v/v			01/23/20 19:03	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/23/20 19:03	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			01/23/20 19:03	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/23/20 19:03	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/23/20 19:03	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/23/20 19:03	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/23/20 19:03	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/23/20 19:03	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/23/20 19:03	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/23/20 19:03	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/23/20 19:03	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**360**	**D**	9.9	2.2	ug/m3			01/23/20 19:53	4
Chlorodifluoromethane	**2.6**	**J D**	7.1	1.7	ug/m3			01/23/20 19:53	4
1,2-Dichlorotetrafluoroethane	5.6	U	5.6	0.98	ug/m3			01/23/20 19:53	4
Chloromethane	**0.96**	**J D**	4.1	0.91	ug/m3			01/23/20 19:53	4
n-Butane	**16**	**D**	4.8	1.0	ug/m3			01/23/20 19:53	4
Vinyl chloride	**0.63**	**J D**	0.80	0.45	ug/m3			01/23/20 19:53	4
1,3-Butadiene	**0.74**	**J D**	1.8	0.50	ug/m3			01/23/20 19:53	4
Bromomethane	3.1	U	3.1	0.79	ug/m3			01/23/20 19:53	4
Chloroethane	5.3	U	5.3	0.57	ug/m3			01/23/20 19:53	4
Bromoethene(Vinyl Bromide)	3.5	U	3.5	0.91	ug/m3			01/23/20 19:53	4
Trichlorofluoromethane	**2.4**	**J D**	4.5	1.3	ug/m3			01/23/20 19:53	4
1,1,2-Trichlorotrifluoroethane	6.1	U	6.1	1.2	ug/m3			01/23/20 19:53	4
1,1-Dichloroethene	0.80	U	0.80	0.62	ug/m3			01/23/20 19:53	4
Acetone	**43**	**J D**	48	11	ug/m3			01/23/20 19:53	4
Isopropyl alcohol	**4.8**	**J D**	49	4.7	ug/m3			01/23/20 19:53	4
Carbon disulfide	**2.4**	**J D**	6.2	0.92	ug/m3			01/23/20 19:53	4
3-Chloropropene	6.3	U	6.3	0.80	ug/m3			01/23/20 19:53	4
Methylene Chloride	**5.0**	**J D**	6.9	3.8	ug/m3			01/23/20 19:53	4
tert-Butyl alcohol	**1.7**	**J D**	61	0.46	ug/m3			01/23/20 19:53	4
Methyl tert-butyl ether	2.9	U	2.9	0.48	ug/m3			01/23/20 19:53	4
trans-1,2-Dichloroethene	3.2	U	3.2	0.67	ug/m3			01/23/20 19:53	4
n-Hexane	**30**	**D**	2.8	2.8	ug/m3			01/23/20 19:53	4
1,1-Dichloroethane	3.2	U	3.2	0.66	ug/m3			01/23/20 19:53	4
Methyl Ethyl Ketone (2-Butanone)	**8.2**	**D**	5.9	0.85	ug/m3			01/23/20 19:53	4
cis-1,2-Dichloroethene	0.80	U	0.80	0.71	ug/m3			01/23/20 19:53	4
Chloroform	**3.3**	**J D**	3.9	0.62	ug/m3			01/23/20 19:53	4
Tetrahydrofuran	59	U	59	0.78	ug/m3			01/23/20 19:53	4
1,1,1-Trichloroethane	4.4	U	4.4	0.79	ug/m3			01/23/20 19:53	4
Cyclohexane	**43**	**D**	2.8	0.63	ug/m3			01/23/20 19:53	4
Carbon tetrachloride	0.88	U	0.88	0.60	ug/m3			01/23/20 19:53	4
2,2,4-Trimethylpentane	**34**	**D**	3.7	0.77	ug/m3			01/23/20 19:53	4
Benzene	**9.9**	**D**	2.6	0.86	ug/m3			01/23/20 19:53	4

Client Sample ID: SV-02_20200121
Date Collected: 01/21/20 05:00
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane	3.2	U	3.2	0.52	ug/m3			01/23/20 19:53	4
n-Heptane	**80**	**D**	3.3	0.92	ug/m3			01/23/20 19:53	4
Trichloroethene	0.80	U	0.80	0.75	ug/m3			01/23/20 19:53	4
Methyl methacrylate	8.2	U	8.2	0.54	ug/m3			01/23/20 19:53	4
1,2-Dichloropropane	3.7	U	3.7	0.61	ug/m3			01/23/20 19:53	4
1,4-Dioxane	72	U	72	1.2	ug/m3			01/23/20 19:53	4
Bromodichloromethane	5.4	U	5.4	0.94	ug/m3			01/23/20 19:53	4
cis-1,3-Dichloropropene	3.6	U	3.6	0.58	ug/m3			01/23/20 19:53	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	8.2	U	8.2	0.59	ug/m3			01/23/20 19:53	4
Toluene	**15**	**D**	3.0	1.7	ug/m3			01/23/20 19:53	4
trans-1,3-Dichloropropene	3.6	U	3.6	0.71	ug/m3			01/23/20 19:53	4
1,1,2-Trichloroethane	4.4	U	4.4	0.79	ug/m3			01/23/20 19:53	4
Tetrachloroethene	**11**	**D**	5.4	0.90	ug/m3			01/23/20 19:53	4
Methyl Butyl Ketone (2-Hexanone)	8.2	U	8.2	0.79	ug/m3			01/23/20 19:53	4
Dibromochloromethane	6.8	U	6.8	1.2	ug/m3			01/23/20 19:53	4
1,2-Dibromoethane	6.1	U	6.1	1.5	ug/m3			01/23/20 19:53	4
Chlorobenzene	3.7	U	3.7	1.0	ug/m3			01/23/20 19:53	4
Ethylbenzene	**2.3**	**J D**	3.5	1.1	ug/m3			01/23/20 19:53	4
m,p-Xylene	**8.8**	**D**	8.7	1.7	ug/m3			01/23/20 19:53	4
o-Xylene	**3.6**	**D**	3.5	0.83	ug/m3			01/23/20 19:53	4
Styrene	3.4	U	3.4	0.68	ug/m3			01/23/20 19:53	4
Bromoform	8.3	U	8.3	2.0	ug/m3			01/23/20 19:53	4
Cumene	**0.78**	**J D**	3.9	0.69	ug/m3			01/23/20 19:53	4
1,1,2,2-Tetrachloroethane	5.5	U	5.5	1.2	ug/m3			01/23/20 19:53	4
n-Propylbenzene	3.9	U	3.9	0.77	ug/m3			01/23/20 19:53	4
4-Ethyltoluene	3.9	U	3.9	0.81	ug/m3			01/23/20 19:53	4
1,3,5-Trimethylbenzene	**1.1**	**J D**	3.9	0.77	ug/m3			01/23/20 19:53	4
2-Chlorotoluene	4.1	U	4.1	0.87	ug/m3			01/23/20 19:53	4
tert-Butylbenzene	4.4	U	4.4	0.77	ug/m3			01/23/20 19:53	4
1,2,4-Trimethylbenzene	**1.3**	**J D**	3.9	0.87	ug/m3			01/23/20 19:53	4
sec-Butylbenzene	4.4	U	4.4	0.77	ug/m3			01/23/20 19:53	4
4-Isopropyltoluene	4.4	U	4.4	0.86	ug/m3			01/23/20 19:53	4
1,3-Dichlorobenzene	4.8	U	4.8	2.6	ug/m3			01/23/20 19:53	4
1,4-Dichlorobenzene	4.8	U	4.8	2.9	ug/m3			01/23/20 19:53	4
Benzyl chloride	4.1	U	4.1	1.8	ug/m3			01/23/20 19:53	4
n-Butylbenzene	4.4	U	4.4	0.86	ug/m3			01/23/20 19:53	4
1,2-Dichlorobenzene	4.8	U	4.8	2.3	ug/m3			01/23/20 19:53	4
1,2,4-Trichlorobenzene	15	U	15	6.5	ug/m3			01/23/20 19:53	4
Hexachlorobutadiene	8.5	U	8.5	3.2	ug/m3			01/23/20 19:53	4
Naphthalene	10	U	10	3.6	ug/m3			01/23/20 19:53	4

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**74**	**D**	2.0	0.44	ppb v/v			01/23/20 19:53	4
Chlorodifluoromethane	**0.74**	**J D**	2.0	0.48	ppb v/v			01/23/20 19:53	4
1,2-Dichlorotetrafluoroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
Chloromethane	**0.46**	**J D**	2.0	0.44	ppb v/v			01/23/20 19:53	4
n-Butane	**6.6**	**D**	2.0	0.44	ppb v/v			01/23/20 19:53	4
Vinyl chloride	**0.25**	**J D**	0.31	0.18	ppb v/v			01/23/20 19:53	4

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-02_20200121
Date Collected: 01/21/20 05:00
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52315-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Butadiene	**0.34**	**J D**	0.80	0.23	ppb v/v			01/23/20 19:53	4
Bromomethane	0.80	U	0.80	0.20	ppb v/v			01/23/20 19:53	4
Chloroethane	2.0	U	2.0	0.22	ppb v/v			01/23/20 19:53	4
Bromoethene(Vinyl Bromide)	0.80	U	0.80	0.21	ppb v/v			01/23/20 19:53	4
Trichlorofluoromethane	**0.43**	**J D**	0.80	0.24	ppb v/v			01/23/20 19:53	4
1,1,2-Trichlorotrifluoroethane	0.80	U	0.80	0.15	ppb v/v			01/23/20 19:53	4
1,1-Dichloroethene	0.20	U	0.20	0.16	ppb v/v			01/23/20 19:53	4
Acetone	**18**	**J D**	20	4.8	ppb v/v			01/23/20 19:53	4
Isopropyl alcohol	**1.9**	**J D**	20	1.9	ppb v/v			01/23/20 19:53	4
Carbon disulfide	**0.76**	**J D**	2.0	0.30	ppb v/v			01/23/20 19:53	4
3-Chloropropene	2.0	U	2.0	0.26	ppb v/v			01/23/20 19:53	4
Methylene Chloride	**1.4**	**J D**	2.0	1.1	ppb v/v			01/23/20 19:53	4
tert-Butyl alcohol	**0.58**	**J D**	20	0.15	ppb v/v			01/23/20 19:53	4
Methyl tert-butyl ether	0.80	U	0.80	0.13	ppb v/v			01/23/20 19:53	4
trans-1,2-Dichloroethene	0.80	U	0.80	0.17	ppb v/v			01/23/20 19:53	4
n-Hexane	**8.4**	**D**	0.80	0.80	ppb v/v			01/23/20 19:53	4
1,1-Dichloroethane	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
Methyl Ethyl Ketone (2-Butanone)	**2.8**	**D**	2.0	0.29	ppb v/v			01/23/20 19:53	4
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ppb v/v			01/23/20 19:53	4
Chloroform	**0.67**	**J D**	0.80	0.13	ppb v/v			01/23/20 19:53	4
Tetrahydrofuran	20	U	20	0.26	ppb v/v			01/23/20 19:53	4
1,1,1-Trichloroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
Cyclohexane	**13**	**D**	0.80	0.18	ppb v/v			01/23/20 19:53	4
Carbon tetrachloride	0.14	U	0.14	0.096	ppb v/v			01/23/20 19:53	4
2,2,4-Trimethylpentane	**7.2**	**D**	0.80	0.16	ppb v/v			01/23/20 19:53	4
Benzene	**3.1**	**D**	0.80	0.27	ppb v/v			01/23/20 19:53	4
1,2-Dichloroethane	0.80	U	0.80	0.13	ppb v/v			01/23/20 19:53	4
n-Heptane	**20**	**D**	0.80	0.22	ppb v/v			01/23/20 19:53	4
Trichloroethene	0.15	U	0.15	0.14	ppb v/v			01/23/20 19:53	4
Methyl methacrylate	2.0	U	2.0	0.13	ppb v/v			01/23/20 19:53	4
1,2-Dichloropropane	0.80	U	0.80	0.13	ppb v/v			01/23/20 19:53	4
1,4-Dioxane	20	U	20	0.34	ppb v/v			01/23/20 19:53	4
Bromodichloromethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
cis-1,3-Dichloropropene	0.80	U	0.80	0.13	ppb v/v			01/23/20 19:53	4
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.14	ppb v/v			01/23/20 19:53	4
Toluene	**3.9**	**D**	0.80	0.44	ppb v/v			01/23/20 19:53	4
trans-1,3-Dichloropropene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
1,1,2-Trichloroethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
Tetrachloroethene	**1.7**	**D**	0.80	0.13	ppb v/v			01/23/20 19:53	4
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.19	ppb v/v			01/23/20 19:53	4
Dibromochloromethane	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
1,2-Dibromoethane	0.80	U	0.80	0.20	ppb v/v			01/23/20 19:53	4
Chlorobenzene	0.80	U	0.80	0.22	ppb v/v			01/23/20 19:53	4
Ethylbenzene	**0.52**	**J D**	0.80	0.25	ppb v/v			01/23/20 19:53	4
m,p-Xylene	**2.0**	**D**	2.0	0.40	ppb v/v			01/23/20 19:53	4
o-Xylene	**0.82**	**D**	0.80	0.19	ppb v/v			01/23/20 19:53	4
Styrene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
Bromoform	0.80	U	0.80	0.19	ppb v/v			01/23/20 19:53	4

Client Sample ID: SV-02_20200121
Lab Sample ID: 200-52315-2

Date Collected: 01/21/20 05:00
Matrix: Air
Date Received: 01/22/20 10:38
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cumene	**0.16**	**J D**	0.80	0.14	ppb v/v			01/23/20 19:53	4
1,1,2,2-Tetrachloroethane	0.80	U	0.80	0.17	ppb v/v			01/23/20 19:53	4
n-Propylbenzene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
4-Ethyltoluene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
1,3,5-Trimethylbenzene	**0.22**	**J D**	0.80	0.16	ppb v/v			01/23/20 19:53	4
2-Chlorotoluene	0.80	U	0.80	0.17	ppb v/v			01/23/20 19:53	4
tert-Butylbenzene	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
1,2,4-Trimethylbenzene	**0.27**	**J D**	0.80	0.18	ppb v/v			01/23/20 19:53	4
sec-Butylbenzene	0.80	U	0.80	0.14	ppb v/v			01/23/20 19:53	4
4-Isopropyltoluene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
1,3-Dichlorobenzene	0.80	U	0.80	0.44	ppb v/v			01/23/20 19:53	4
1,4-Dichlorobenzene	0.80	U	0.80	0.48	ppb v/v			01/23/20 19:53	4
Benzyl chloride	0.80	U	0.80	0.34	ppb v/v			01/23/20 19:53	4
n-Butylbenzene	0.80	U	0.80	0.16	ppb v/v			01/23/20 19:53	4
1,2-Dichlorobenzene	0.80	U	0.80	0.39	ppb v/v			01/23/20 19:53	4
1,2,4-Trichlorobenzene	2.0	U	2.0	0.88	ppb v/v			01/23/20 19:53	4
Hexachlorobutadiene	0.80	U	0.80	0.30	ppb v/v			01/23/20 19:53	4
Naphthalene	2.0	U	2.0	0.68	ppb v/v			01/23/20 19:53	4

Client Sample ID: SV-01_20200124
Lab Sample ID: 200-52391-1

Date Collected: 01/24/20 12:10
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**14**		2.5	0.54	ug/m3			01/31/20 01:10	1
Chlorodifluoromethane	**1.8**		1.8	0.42	ug/m3			01/31/20 01:10	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/31/20 01:10	1
Chloromethane	**0.84**	**J**	1.0	0.23	ug/m3			01/31/20 01:10	1
n-Butane	**49**		1.2	0.26	ug/m3			01/31/20 01:10	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/31/20 01:10	1
1,3-Butadiene	**0.92**		0.44	0.13	ug/m3			01/31/20 01:10	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/31/20 01:10	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/31/20 01:10	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/31/20 01:10	1
Trichlorofluoromethane	**1.5**		1.1	0.34	ug/m3			01/31/20 01:10	1
1,1,2-Trichlorotrifluoroethane	**0.48**	**J**	1.5	0.29	ug/m3			01/31/20 01:10	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/31/20 01:10	1
Acetone	**20**		12	2.9	ug/m3			01/31/20 01:10	1
Isopropyl alcohol	**2.6**	**J**	12	1.2	ug/m3			01/31/20 01:10	1
Carbon disulfide	**3.0**		1.6	0.23	ug/m3			01/31/20 01:10	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/31/20 01:10	1
Methylene Chloride	**1.5**	**J**	1.7	0.94	ug/m3			01/31/20 01:10	1
tert-Butyl alcohol	**0.40**	**J**	15	0.12	ug/m3			01/31/20 01:10	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/31/20 01:10	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/31/20 01:10	1
n-Hexane	**17**		0.70	0.70	ug/m3			01/31/20 01:10	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/31/20 01:10	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-01_20200124
Date Collected: 01/24/20 12:10
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**60**		1.5	0.21	ug/m3			01/31/20 01:10	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/31/20 01:10	1
Chloroform	**26**		0.98	0.16	ug/m3			01/31/20 01:10	1
Tetrahydrofuran	**0.47**	**J**	15	0.19	ug/m3			01/31/20 01:10	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 01:10	1
Cyclohexane	**3.2**		0.69	0.16	ug/m3			01/31/20 01:10	1
Carbon tetrachloride	**0.48**		0.22	0.15	ug/m3			01/31/20 01:10	1
2,2,4-Trimethylpentane	**6.1**		0.93	0.19	ug/m3			01/31/20 01:10	1
Benzene	**4.3**		0.64	0.21	ug/m3			01/31/20 01:10	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/31/20 01:10	1
n-Heptane	**20**		0.82	0.23	ug/m3			01/31/20 01:10	1
Trichloroethene	**0.42**		0.20	0.19	ug/m3			01/31/20 01:10	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/31/20 01:10	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/31/20 01:10	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/31/20 01:10	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/31/20 01:10	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/31/20 01:10	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/31/20 01:10	1
Toluene	**30**		0.75	0.41	ug/m3			01/31/20 01:10	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/31/20 01:10	1
1,1,2-Trichloroethane	**0.48**	**J**	1.1	0.20	ug/m3			01/31/20 01:10	1
Tetrachloroethene	**7.3**		1.4	0.22	ug/m3			01/31/20 01:10	1
Methyl Butyl Ketone (2-Hexanone)	**12**		2.0	0.20	ug/m3			01/31/20 01:10	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/31/20 01:10	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/31/20 01:10	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/31/20 01:10	1
Ethylbenzene	**5.0**		0.87	0.27	ug/m3			01/31/20 01:10	1
m,p-Xylene	**16**		2.2	0.43	ug/m3			01/31/20 01:10	1
o-Xylene	**5.7**		0.87	0.21	ug/m3			01/31/20 01:10	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/31/20 01:10	1
Bromoform	2.1	U ^	2.1	0.50	ug/m3			01/31/20 01:10	1
Cumene	**0.58**	**J**	0.98	0.17	ug/m3			01/31/20 01:10	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			01/31/20 01:10	1
n-Propylbenzene	**0.88**	**J**	0.98	0.19	ug/m3			01/31/20 01:10	1
4-Ethyltoluene	**1.0**		0.98	0.20	ug/m3			01/31/20 01:10	1
1,3,5-Trimethylbenzene	**1.0**		0.98	0.19	ug/m3			01/31/20 01:10	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/31/20 01:10	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 01:10	1
1,2,4-Trimethylbenzene	**2.6**		0.98	0.22	ug/m3			01/31/20 01:10	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 01:10	1
4-Isopropyltoluene	**0.24**	**J**	1.1	0.21	ug/m3			01/31/20 01:10	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/31/20 01:10	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/31/20 01:10	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/31/20 01:10	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/31/20 01:10	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/31/20 01:10	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/31/20 01:10	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/31/20 01:10	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-01_20200124
Date Collected: 01/24/20 12:10
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-1
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/31/20 01:10	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.8**		0.50	0.11	ppb v/v			01/31/20 01:10	1
Chlorodifluoromethane	**0.51**		0.50	0.12	ppb v/v			01/31/20 01:10	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 01:10	1
Chloromethane	**0.41**	**J**	0.50	0.11	ppb v/v			01/31/20 01:10	1
n-Butane	**20**		0.50	0.11	ppb v/v			01/31/20 01:10	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/31/20 01:10	1
1,3-Butadiene	**0.41**		0.20	0.057	ppb v/v			01/31/20 01:10	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/31/20 01:10	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/31/20 01:10	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/31/20 01:10	1
Trichlorofluoromethane	**0.27**		0.20	0.060	ppb v/v			01/31/20 01:10	1
1,1,2-Trichlorotrifluoroethane	**0.063**	**J**	0.20	0.038	ppb v/v			01/31/20 01:10	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/31/20 01:10	1
Acetone	**8.5**		5.0	1.2	ppb v/v			01/31/20 01:10	1
Isopropyl alcohol	**1.1**	**J**	5.0	0.48	ppb v/v			01/31/20 01:10	1
Carbon disulfide	**0.98**		0.50	0.074	ppb v/v			01/31/20 01:10	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/31/20 01:10	1
Methylene Chloride	**0.43**	**J**	0.50	0.27	ppb v/v			01/31/20 01:10	1
tert-Butyl alcohol	**0.13**	**J**	5.0	0.038	ppb v/v			01/31/20 01:10	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/31/20 01:10	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/31/20 01:10	1
n-Hexane	**4.8**		0.20	0.20	ppb v/v			01/31/20 01:10	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/31/20 01:10	1
Methyl Ethyl Ketone (2-Butanone)	**20**		0.50	0.072	ppb v/v			01/31/20 01:10	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/31/20 01:10	1
Chloroform	**5.3**		0.20	0.032	ppb v/v			01/31/20 01:10	1
Tetrahydrofuran	**0.16**	**J**	5.0	0.066	ppb v/v			01/31/20 01:10	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 01:10	1
Cyclohexane	**0.93**		0.20	0.046	ppb v/v			01/31/20 01:10	1
Carbon tetrachloride	**0.076**		0.035	0.024	ppb v/v			01/31/20 01:10	1
2,2,4-Trimethylpentane	**1.3**		0.20	0.041	ppb v/v			01/31/20 01:10	1
Benzene	**1.4**		0.20	0.067	ppb v/v			01/31/20 01:10	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/31/20 01:10	1
n-Heptane	**4.9**		0.20	0.056	ppb v/v			01/31/20 01:10	1
Trichloroethene	**0.077**		0.037	0.035	ppb v/v			01/31/20 01:10	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/31/20 01:10	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/31/20 01:10	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/31/20 01:10	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 01:10	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/31/20 01:10	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/31/20 01:10	1
Toluene	**7.9**		0.20	0.11	ppb v/v			01/31/20 01:10	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/31/20 01:10	1
1,1,2-Trichloroethane	**0.088**	**J**	0.20	0.036	ppb v/v			01/31/20 01:10	1
Tetrachloroethene	**1.1**		0.20	0.033	ppb v/v			01/31/20 01:10	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-01_20200124

Lab Sample ID: 200-52391-1

Date Collected: 01/24/20 12:10
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Butyl Ketone (2-Hexanone)	**2.9**		0.50	0.048	ppb v/v			01/31/20 01:10	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 01:10	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/31/20 01:10	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/31/20 01:10	1
Ethylbenzene	**1.1**		0.20	0.063	ppb v/v			01/31/20 01:10	1
m,p-Xylene	**3.6**		0.50	0.10	ppb v/v			01/31/20 01:10	1
o-Xylene	**1.3**		0.20	0.048	ppb v/v			01/31/20 01:10	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/31/20 01:10	1
Bromoform	0.20	U ^	0.20	0.048	ppb v/v			01/31/20 01:10	1
Cumene	**0.12**	**J**	0.20	0.035	ppb v/v			01/31/20 01:10	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			01/31/20 01:10	1
n-Propylbenzene	**0.18**	**J**	0.20	0.039	ppb v/v			01/31/20 01:10	1
4-Ethyltoluene	**0.21**		0.20	0.041	ppb v/v			01/31/20 01:10	1
1,3,5-Trimethylbenzene	**0.21**		0.20	0.039	ppb v/v			01/31/20 01:10	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/31/20 01:10	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 01:10	1
1,2,4-Trimethylbenzene	**0.52**		0.20	0.044	ppb v/v			01/31/20 01:10	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 01:10	1
4-Isopropyltoluene	**0.044**	**J**	0.20	0.039	ppb v/v			01/31/20 01:10	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/31/20 01:10	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/31/20 01:10	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/31/20 01:10	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/31/20 01:10	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/31/20 01:10	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/31/20 01:10	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/31/20 01:10	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/31/20 01:10	1

Client Sample ID: SV-03_20200124

Lab Sample ID: 200-52391-2

Date Collected: 01/24/20 13:45
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	640	U	640	140	ug/m3			01/31/20 05:01	260
Chlorodifluoromethane	460	U	460	110	ug/m3			01/31/20 05:01	260
1,2-Dichlorotetrafluoroethane	360	U	360	64	ug/m3			01/31/20 05:01	260
Chloromethane	270	U	270	59	ug/m3			01/31/20 05:01	260
n-Butane	**13000**		310	68	ug/m3			01/31/20 05:01	260
Vinyl chloride	52	U	52	29	ug/m3			01/31/20 05:01	260
1,3-Butadiene	120	U	120	33	ug/m3			01/31/20 05:01	260
Bromomethane	200	U	200	51	ug/m3			01/31/20 05:01	260
Chloroethane	340	U	340	37	ug/m3			01/31/20 05:01	260
Bromoethene(Vinyl Bromide)	230	U	230	59	ug/m3			01/31/20 05:01	260
Trichlorofluoromethane	290	U	290	88	ug/m3			01/31/20 05:01	260
1,1,2-Trichlorotrifluoroethane	400	U	400	76	ug/m3			01/31/20 05:01	260
1,1-Dichloroethene	52	U	52	40	ug/m3			01/31/20 05:01	260
Acetone	3100	U	3100	740	ug/m3			01/31/20 05:01	260

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-03_20200124
Date Collected: 01/24/20 13:45
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	3200	U	3200	310	ug/m3			01/31/20 05:01	260
Carbon disulfide	400	U	400	60	ug/m3			01/31/20 05:01	260
3-Chloropropene	410	U	410	52	ug/m3			01/31/20 05:01	260
Methylene Chloride	450	U	450	240	ug/m3			01/31/20 05:01	260
tert-Butyl alcohol	3900	U	3900	30	ug/m3			01/31/20 05:01	260
Methyl tert-butyl ether	190	U	190	31	ug/m3			01/31/20 05:01	260
trans-1,2-Dichloroethene	210	U	210	43	ug/m3			01/31/20 05:01	260
n-Hexane	**110000**	**E**	180	180	ug/m3			01/31/20 05:01	260
1,1-Dichloroethane	210	U	210	43	ug/m3			01/31/20 05:01	260
Methyl Ethyl Ketone (2-Butanone)	380	U	380	55	ug/m3			01/31/20 05:01	260
cis-1,2-Dichloroethene	52	U	52	46	ug/m3			01/31/20 05:01	260
Chloroform	250	U	250	41	ug/m3			01/31/20 05:01	260
Tetrahydrofuran	3800	U	3800	51	ug/m3			01/31/20 05:01	260
1,1,1-Trichloroethane	280	U	280	51	ug/m3			01/31/20 05:01	260
Cyclohexane	**40000**	**E**	180	41	ug/m3			01/31/20 05:01	260
Carbon tetrachloride	57	U	57	39	ug/m3			01/31/20 05:01	260
2,2,4-Trimethylpentane	**18000**		240	50	ug/m3			01/31/20 05:01	260
Benzene	**2800**		170	56	ug/m3			01/31/20 05:01	260
1,2-Dichloroethane	210	U	210	34	ug/m3			01/31/20 05:01	260
n-Heptane	**95000**	**E**	210	60	ug/m3			01/31/20 05:01	260
Trichloroethene	52	U	52	49	ug/m3			01/31/20 05:01	260
Methyl methacrylate	530	U	530	35	ug/m3			01/31/20 05:01	260
1,2-Dichloropropane	240	U	240	40	ug/m3			01/31/20 05:01	260
1,4-Dioxane	4700	U	4700	79	ug/m3			01/31/20 05:01	260
Bromodichloromethane	350	U	350	61	ug/m3			01/31/20 05:01	260
cis-1,3-Dichloropropene	240	U	240	38	ug/m3			01/31/20 05:01	260
4-Methyl-2-pentanone (Methyl isobutyl ketone)	530	U	530	38	ug/m3			01/31/20 05:01	260
Toluene	**22000**		200	110	ug/m3			01/31/20 05:01	260
trans-1,3-Dichloropropene	240	U	240	46	ug/m3			01/31/20 05:01	260
1,1,2-Trichloroethane	280	U	280	51	ug/m3			01/31/20 05:01	260
Tetrachloroethene	350	U	350	58	ug/m3			01/31/20 05:01	260
Methyl Butyl Ketone (2-Hexanone)	530	U	530	51	ug/m3			01/31/20 05:01	260
Dibromochloromethane	440	U	440	80	ug/m3			01/31/20 05:01	260
1,2-Dibromoethane	400	U	400	98	ug/m3			01/31/20 05:01	260
Chlorobenzene	240	U	240	67	ug/m3			01/31/20 05:01	260
Ethylbenzene	**5500**		230	71	ug/m3			01/31/20 05:01	260
m,p-Xylene	**30000**		560	110	ug/m3			01/31/20 05:01	260
o-Xylene	**7000**		230	54	ug/m3			01/31/20 05:01	260
Styrene	220	U	220	44	ug/m3			01/31/20 05:01	260
Bromoform	540	U ^	540	130	ug/m3			01/31/20 05:01	260
Cumene	**970**		260	45	ug/m3			01/31/20 05:01	260
1,1,2,2-Tetrachloroethane	360	U	360	75	ug/m3			01/31/20 05:01	260
n-Propylbenzene	**560**		260	50	ug/m3			01/31/20 05:01	260
4-Ethyltoluene	**730**		260	52	ug/m3			01/31/20 05:01	260
1,3,5-Trimethylbenzene	**920**		260	50	ug/m3			01/31/20 05:01	260
2-Chlorotoluene	270	U	270	57	ug/m3			01/31/20 05:01	260
tert-Butylbenzene	290	U	290	50	ug/m3			01/31/20 05:01	260
1,2,4-Trimethylbenzene	**850**		260	56	ug/m3			01/31/20 05:01	260

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-03_20200124
Date Collected: 01/24/20 13:45
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	**51**	**J**	290	50	ug/m3			01/31/20 05:01	260
4-Isopropyltoluene	290	U	290	56	ug/m3			01/31/20 05:01	260
1,3-Dichlorobenzene	310	U	310	170	ug/m3			01/31/20 05:01	260
1,4-Dichlorobenzene	310	U	310	190	ug/m3			01/31/20 05:01	260
Benzyl chloride	270	U	270	110	ug/m3			01/31/20 05:01	260
n-Butylbenzene	290	U	290	56	ug/m3			01/31/20 05:01	260
1,2-Dichlorobenzene	310	U	310	150	ug/m3			01/31/20 05:01	260
1,2,4-Trichlorobenzene	960	U	960	420	ug/m3			01/31/20 05:01	260
Hexachlorobutadiene	550	U	550	210	ug/m3			01/31/20 05:01	260
Naphthalene	680	U	680	230	ug/m3			01/31/20 05:01	260

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	130	U	130	29	ppb v/v			01/31/20 05:01	260
Chlorodifluoromethane	130	U	130	31	ppb v/v			01/31/20 05:01	260
1,2-Dichlorotetrafluoroethane	52	U	52	9.1	ppb v/v			01/31/20 05:01	260
Chloromethane	130	U	130	29	ppb v/v			01/31/20 05:01	260
n-Butane	**5300**		130	29	ppb v/v			01/31/20 05:01	260
Vinyl chloride	20	U	20	11	ppb v/v			01/31/20 05:01	260
1,3-Butadiene	52	U	52	15	ppb v/v			01/31/20 05:01	260
Bromomethane	52	U	52	13	ppb v/v			01/31/20 05:01	260
Chloroethane	130	U	130	14	ppb v/v			01/31/20 05:01	260
Bromoethene(Vinyl Bromide)	52	U	52	14	ppb v/v			01/31/20 05:01	260
Trichlorofluoromethane	52	U	52	16	ppb v/v			01/31/20 05:01	260
1,1,2-Trichlorotrifluoroethane	52	U	52	9.9	ppb v/v			01/31/20 05:01	260
1,1-Dichloroethene	13	U	13	10	ppb v/v			01/31/20 05:01	260
Acetone	1300	U	1300	310	ppb v/v			01/31/20 05:01	260
Isopropyl alcohol	1300	U	1300	120	ppb v/v			01/31/20 05:01	260
Carbon disulfide	130	U	130	19	ppb v/v			01/31/20 05:01	260
3-Chloropropene	130	U	130	17	ppb v/v			01/31/20 05:01	260
Methylene Chloride	130	U	130	70	ppb v/v			01/31/20 05:01	260
tert-Butyl alcohol	1300	U	1300	9.9	ppb v/v			01/31/20 05:01	260
Methyl tert-butyl ether	52	U	52	8.6	ppb v/v			01/31/20 05:01	260
trans-1,2-Dichloroethene	52	U	52	11	ppb v/v			01/31/20 05:01	260
n-Hexane	**31000**	**E**	52	52	ppb v/v			01/31/20 05:01	260
1,1-Dichloroethane	52	U	52	11	ppb v/v			01/31/20 05:01	260
Methyl Ethyl Ketone (2-Butanone)	130	U	130	19	ppb v/v			01/31/20 05:01	260
cis-1,2-Dichloroethene	13	U	13	12	ppb v/v			01/31/20 05:01	260
Chloroform	52	U	52	8.3	ppb v/v			01/31/20 05:01	260
Tetrahydrofuran	1300	U	1300	17	ppb v/v			01/31/20 05:01	260
1,1,1-Trichloroethane	52	U	52	9.4	ppb v/v			01/31/20 05:01	260
Cyclohexane	**12000**	**E**	52	12	ppb v/v			01/31/20 05:01	260
Carbon tetrachloride	9.1	U	9.1	6.2	ppb v/v			01/31/20 05:01	260
2,2,4-Trimethylpentane	**3900**		52	11	ppb v/v			01/31/20 05:01	260
Benzene	**870**		52	17	ppb v/v			01/31/20 05:01	260
1,2-Dichloroethane	52	U	52	8.3	ppb v/v			01/31/20 05:01	260
n-Heptane	**23000**	**E**	52	15	ppb v/v			01/31/20 05:01	260
Trichloroethene	9.7	U	9.7	9.1	ppb v/v			01/31/20 05:01	260
Methyl methacrylate	130	U	130	8.6	ppb v/v			01/31/20 05:01	260
1,2-Dichloropropane	52	U	52	8.6	ppb v/v			01/31/20 05:01	260

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-03_20200124
Date Collected: 01/24/20 13:45
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	1300	U	1300	22	ppb v/v			01/31/20 05:01	260
Bromodichloromethane	52	U	52	9.1	ppb v/v			01/31/20 05:01	260
cis-1,3-Dichloropropene	52	U	52	8.3	ppb v/v			01/31/20 05:01	260
4-Methyl-2-pentanone (Methyl isobutyl ketone)	130	U	130	9.4	ppb v/v			01/31/20 05:01	260
Toluene	**5900**		52	29	ppb v/v			01/31/20 05:01	260
trans-1,3-Dichloropropene	52	U	52	10	ppb v/v			01/31/20 05:01	260
1,1,2-Trichloroethane	52	U	52	9.4	ppb v/v			01/31/20 05:01	260
Tetrachloroethene	52	U	52	8.6	ppb v/v			01/31/20 05:01	260
Methyl Butyl Ketone (2-Hexanone)	130	U	130	12	ppb v/v			01/31/20 05:01	260
Dibromochloromethane	52	U	52	9.4	ppb v/v			01/31/20 05:01	260
1,2-Dibromoethane	52	U	52	13	ppb v/v			01/31/20 05:01	260
Chlorobenzene	52	U	52	15	ppb v/v			01/31/20 05:01	260
Ethylbenzene	**1300**		52	16	ppb v/v			01/31/20 05:01	260
m,p-Xylene	**7000**		130	26	ppb v/v			01/31/20 05:01	260
o-Xylene	**1600**		52	12	ppb v/v			01/31/20 05:01	260
Styrene	52	U	52	10	ppb v/v			01/31/20 05:01	260
Bromoform	52	U ^	52	12	ppb v/v			01/31/20 05:01	260
Cumene	**200**		52	9.1	ppb v/v			01/31/20 05:01	260
1,1,2,2-Tetrachloroethane	52	U	52	11	ppb v/v			01/31/20 05:01	260
n-Propylbenzene	**110**		52	10	ppb v/v			01/31/20 05:01	260
4-Ethyltoluene	**150**		52	11	ppb v/v			01/31/20 05:01	260
1,3,5-Trimethylbenzene	**190**		52	10	ppb v/v			01/31/20 05:01	260
2-Chlorotoluene	52	U	52	11	ppb v/v			01/31/20 05:01	260
tert-Butylbenzene	52	U	52	9.1	ppb v/v			01/31/20 05:01	260
1,2,4-Trimethylbenzene	**170**		52	11	ppb v/v			01/31/20 05:01	260
sec-Butylbenzene	**9.3**	**J**	52	9.1	ppb v/v			01/31/20 05:01	260
4-Isopropyltoluene	52	U	52	10	ppb v/v			01/31/20 05:01	260
1,3-Dichlorobenzene	52	U	52	29	ppb v/v			01/31/20 05:01	260
1,4-Dichlorobenzene	52	U	52	31	ppb v/v			01/31/20 05:01	260
Benzyl chloride	52	U	52	22	ppb v/v			01/31/20 05:01	260
n-Butylbenzene	52	U	52	10	ppb v/v			01/31/20 05:01	260
1,2-Dichlorobenzene	52	U	52	25	ppb v/v			01/31/20 05:01	260
1,2,4-Trichlorobenzene	130	U	130	57	ppb v/v			01/31/20 05:01	260
Hexachlorobutadiene	52	U	52	20	ppb v/v			01/31/20 05:01	260
Naphthalene	130	U	130	44	ppb v/v			01/31/20 05:01	260

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	3100	U	3100	690	ug/m3			01/31/20 05:56	1270
Chlorodifluoromethane	2200	U	2200	540	ug/m3			01/31/20 05:56	1270
1,2-Dichlorotetrafluoroethane	1800	U	1800	310	ug/m3			01/31/20 05:56	1270
Chloromethane	1300	U	1300	290	ug/m3			01/31/20 05:56	1270
n-Butane	**12000**	**D**	1500	330	ug/m3			01/31/20 05:56	1270
Vinyl chloride	250	U	250	140	ug/m3			01/31/20 05:56	1270
1,3-Butadiene	560	U	560	160	ug/m3			01/31/20 05:56	1270
Bromomethane	990	U	990	250	ug/m3			01/31/20 05:56	1270
Chloroethane	1700	U	1700	180	ug/m3			01/31/20 05:56	1270
Bromoethene(Vinyl Bromide)	1100	U	1100	290	ug/m3			01/31/20 05:56	1270

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-03_20200124
Date Collected: 01/24/20 13:45
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichlorofluoromethane	1400	U	1400	430	ug/m3			01/31/20 05:56	1270
1,1,2-Trichlorotrifluoroethane	1900	U	1900	370	ug/m3			01/31/20 05:56	1270
1,1-Dichloroethene	250	U	250	200	ug/m3			01/31/20 05:56	1270
Acetone	15000	U	15000	3600	ug/m3			01/31/20 05:56	1270
Isopropyl alcohol	16000	U	16000	1500	ug/m3			01/31/20 05:56	1270
Carbon disulfide	2000	U	2000	290	ug/m3			01/31/20 05:56	1270
3-Chloropropene	2000	U	2000	250	ug/m3			01/31/20 05:56	1270
Methylene Chloride	2200	U	2200	1200	ug/m3			01/31/20 05:56	1270
tert-Butyl alcohol	19000	U	19000	150	ug/m3			01/31/20 05:56	1270
Methyl tert-butyl ether	920	U	920	150	ug/m3			01/31/20 05:56	1270
trans-1,2-Dichloroethene	1000	U	1000	210	ug/m3			01/31/20 05:56	1270
n-Hexane	**130000**	**D**	900	900	ug/m3			01/31/20 05:56	1270
1,1-Dichloroethane	1000	U	1000	210	ug/m3			01/31/20 05:56	1270
Methyl Ethyl Ketone (2-Butanone)	1900	U	1900	270	ug/m3			01/31/20 05:56	1270
cis-1,2-Dichloroethene	250	U	250	230	ug/m3			01/31/20 05:56	1270
Chloroform	1200	U	1200	200	ug/m3			01/31/20 05:56	1270
Tetrahydrofuran	19000	U	19000	250	ug/m3			01/31/20 05:56	1270
1,1,1-Trichloroethane	1400	U	1400	250	ug/m3			01/31/20 05:56	1270
Cyclohexane	**43000**	**D**	870	200	ug/m3			01/31/20 05:56	1270
Carbon tetrachloride	280	U	280	190	ug/m3			01/31/20 05:56	1270
2,2,4-Trimethylpentane	**21000**	**D**	1200	240	ug/m3			01/31/20 05:56	1270
Benzene	**2900**	**D**	810	270	ug/m3			01/31/20 05:56	1270
1,2-Dichloroethane	1000	U	1000	160	ug/m3			01/31/20 05:56	1270
n-Heptane	**120000**	**D**	1000	290	ug/m3			01/31/20 05:56	1270
Trichloroethene	250	U	250	240	ug/m3			01/31/20 05:56	1270
Methyl methacrylate	2600	U	2600	170	ug/m3			01/31/20 05:56	1270
1,2-Dichloropropane	1200	U	1200	190	ug/m3			01/31/20 05:56	1270
1,4-Dioxane	23000	U	23000	380	ug/m3			01/31/20 05:56	1270
Bromodichloromethane	1700	U	1700	300	ug/m3			01/31/20 05:56	1270
cis-1,3-Dichloropropene	1200	U	1200	180	ug/m3			01/31/20 05:56	1270
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2600	U	2600	190	ug/m3			01/31/20 05:56	1270
Toluene	**26000**	**D**	960	530	ug/m3			01/31/20 05:56	1270
trans-1,3-Dichloropropene	1200	U	1200	220	ug/m3			01/31/20 05:56	1270
1,1,2-Trichloroethane	1400	U	1400	250	ug/m3			01/31/20 05:56	1270
Tetrachloroethene	1700	U	1700	280	ug/m3			01/31/20 05:56	1270
Methyl Butyl Ketone (2-Hexanone)	2600	U	2600	250	ug/m3			01/31/20 05:56	1270
Dibromochloromethane	2200	U	2200	390	ug/m3			01/31/20 05:56	1270
1,2-Dibromoethane	2000	U	2000	480	ug/m3			01/31/20 05:56	1270
Chlorobenzene	1200	U	1200	330	ug/m3			01/31/20 05:56	1270
Ethylbenzene	**4800**	**D**	1100	350	ug/m3			01/31/20 05:56	1270
m,p-Xylene	**27000**	**D**	2800	550	ug/m3			01/31/20 05:56	1270
o-Xylene	**6400**	**D**	1100	260	ug/m3			01/31/20 05:56	1270
Styrene	1100	U	1100	220	ug/m3			01/31/20 05:56	1270
Bromoform	2600	U ^	2600	630	ug/m3			01/31/20 05:56	1270
Cumene	**900**	**J D**	1200	220	ug/m3			01/31/20 05:56	1270
1,1,2,2-Tetrachloroethane	1700	U	1700	370	ug/m3			01/31/20 05:56	1270
n-Propylbenzene	**550**	**J D**	1200	240	ug/m3			01/31/20 05:56	1270
4-Ethyltoluene	**610**	**J D**	1200	260	ug/m3			01/31/20 05:56	1270

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-03_20200124
Date Collected: 01/24/20 13:45
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-2
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3,5-Trimethylbenzene	**890**	**J D**	1200	240	ug/m3			01/31/20 05:56	1270
2-Chlorotoluene	1300	U	1300	280	ug/m3			01/31/20 05:56	1270
tert-Butylbenzene	1400	U	1400	240	ug/m3			01/31/20 05:56	1270
1,2,4-Trimethylbenzene	**740**	**J D**	1200	270	ug/m3			01/31/20 05:56	1270
sec-Butylbenzene	1400	U	1400	240	ug/m3			01/31/20 05:56	1270
4-Isopropyltoluene	1400	U	1400	270	ug/m3			01/31/20 05:56	1270
1,3-Dichlorobenzene	1500	U	1500	840	ug/m3			01/31/20 05:56	1270
1,4-Dichlorobenzene	1500	U	1500	920	ug/m3			01/31/20 05:56	1270
Benzyl chloride	1300	U	1300	560	ug/m3			01/31/20 05:56	1270
n-Butylbenzene	1400	U	1400	270	ug/m3			01/31/20 05:56	1270
1,2-Dichlorobenzene	1500	U	1500	740	ug/m3			01/31/20 05:56	1270
1,2,4-Trichlorobenzene	4700	U	4700	2100	ug/m3			01/31/20 05:56	1270
Hexachlorobutadiene	2700	U	2700	1000	ug/m3			01/31/20 05:56	1270
Naphthalene	3300	U	3300	1100	ug/m3			01/31/20 05:56	1270

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	640	U	640	140	ppb v/v			01/31/20 05:56	1270
Chlorodifluoromethane	630	U	630	150	ppb v/v			01/31/20 05:56	1270
1,2-Dichlorotetrafluoroethane	250	U	250	44	ppb v/v			01/31/20 05:56	1270
Chloromethane	630	U	630	140	ppb v/v			01/31/20 05:56	1270
n-Butane	**4900**	**D**	630	140	ppb v/v			01/31/20 05:56	1270
Vinyl chloride	99	U	99	56	ppb v/v			01/31/20 05:56	1270
1,3-Butadiene	250	U	250	72	ppb v/v			01/31/20 05:56	1270
Bromomethane	250	U	250	65	ppb v/v			01/31/20 05:56	1270
Chloroethane	630	U	630	69	ppb v/v			01/31/20 05:56	1270
Bromoethene(Vinyl Bromide)	250	U	250	66	ppb v/v			01/31/20 05:56	1270
Trichlorofluoromethane	250	U	250	76	ppb v/v			01/31/20 05:56	1270
1,1,2-Trichlorotrifluoroethane	250	U	250	48	ppb v/v			01/31/20 05:56	1270
1,1-Dichloroethene	64	U	64	50	ppb v/v			01/31/20 05:56	1270
Acetone	6400	U	6400	1500	ppb v/v			01/31/20 05:56	1270
Isopropyl alcohol	6300	U	6300	610	ppb v/v			01/31/20 05:56	1270
Carbon disulfide	640	U	640	94	ppb v/v			01/31/20 05:56	1270
3-Chloropropene	630	U	630	81	ppb v/v			01/31/20 05:56	1270
Methylene Chloride	630	U	630	340	ppb v/v			01/31/20 05:56	1270
tert-Butyl alcohol	6300	U	6300	48	ppb v/v			01/31/20 05:56	1270
Methyl tert-butyl ether	250	U	250	42	ppb v/v			01/31/20 05:56	1270
trans-1,2-Dichloroethene	250	U	250	53	ppb v/v			01/31/20 05:56	1270
n-Hexane	**38000**	**D**	250	250	ppb v/v			01/31/20 05:56	1270
1,1-Dichloroethane	250	U	250	52	ppb v/v			01/31/20 05:56	1270
Methyl Ethyl Ketone (2-Butanone)	630	U	630	91	ppb v/v			01/31/20 05:56	1270
cis-1,2-Dichloroethene	64	U	64	57	ppb v/v			01/31/20 05:56	1270
Chloroform	250	U	250	41	ppb v/v			01/31/20 05:56	1270
Tetrahydrofuran	6300	U	6300	84	ppb v/v			01/31/20 05:56	1270
1,1,1-Trichloroethane	250	U	250	46	ppb v/v			01/31/20 05:56	1270
Cyclohexane	**13000**	**D**	250	58	ppb v/v			01/31/20 05:56	1270
Carbon tetrachloride	44	U	44	30	ppb v/v			01/31/20 05:56	1270
2,2,4-Trimethylpentane	**4600**	**D**	250	52	ppb v/v			01/31/20 05:56	1270
Benzene	**910**	**D**	250	85	ppb v/v			01/31/20 05:56	1270
1,2-Dichloroethane	250	U	250	41	ppb v/v			01/31/20 05:56	1270

Client Sample ID: SV-03_20200124

Lab Sample ID: 200-52391-2

Date Collected: 01/24/20 13:45
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Heptane	**29000**	**D**	250	71	ppb v/v			01/31/20 05:56	1270
Trichloroethene	47	U	47	44	ppb v/v			01/31/20 05:56	1270
Methyl methacrylate	630	U	630	42	ppb v/v			01/31/20 05:56	1270
1,2-Dichloropropane	250	U	250	42	ppb v/v			01/31/20 05:56	1270
1,4-Dioxane	6300	U	6300	110	ppb v/v			01/31/20 05:56	1270
Bromodichloromethane	250	U	250	44	ppb v/v			01/31/20 05:56	1270
cis-1,3-Dichloropropene	250	U	250	41	ppb v/v			01/31/20 05:56	1270
4-Methyl-2-pentanone (Methyl isobutyl ketone)	640	U	640	46	ppb v/v			01/31/20 05:56	1270
Toluene	**6900**	**D**	250	140	ppb v/v			01/31/20 05:56	1270
trans-1,3-Dichloropropene	250	U	250	50	ppb v/v			01/31/20 05:56	1270
1,1,2-Trichloroethane	250	U	250	46	ppb v/v			01/31/20 05:56	1270
Tetrachloroethene	250	U	250	42	ppb v/v			01/31/20 05:56	1270
Methyl Butyl Ketone (2-Hexanone)	640	U	640	61	ppb v/v			01/31/20 05:56	1270
Dibromochloromethane	250	U	250	46	ppb v/v			01/31/20 05:56	1270
1,2-Dibromoethane	250	U	250	62	ppb v/v			01/31/20 05:56	1270
Chlorobenzene	250	U	250	71	ppb v/v			01/31/20 05:56	1270
Ethylbenzene	**1100**	**D**	250	80	ppb v/v			01/31/20 05:56	1270
m,p-Xylene	**6300**	**D**	640	130	ppb v/v			01/31/20 05:56	1270
o-Xylene	**1500**	**D**	250	61	ppb v/v			01/31/20 05:56	1270
Styrene	250	U	250	51	ppb v/v			01/31/20 05:56	1270
Bromoform	250	U ^	250	61	ppb v/v			01/31/20 05:56	1270
Cumene	**180**	**J D**	250	44	ppb v/v			01/31/20 05:56	1270
1,1,2,2-Tetrachloroethane	250	U	250	53	ppb v/v			01/31/20 05:56	1270
n-Propylbenzene	**110**	**J D**	250	50	ppb v/v			01/31/20 05:56	1270
4-Ethyltoluene	**120**	**J D**	250	52	ppb v/v			01/31/20 05:56	1270
1,3,5-Trimethylbenzene	**180**	**J D**	250	50	ppb v/v			01/31/20 05:56	1270
2-Chlorotoluene	250	U	250	53	ppb v/v			01/31/20 05:56	1270
tert-Butylbenzene	250	U	250	44	ppb v/v			01/31/20 05:56	1270
1,2,4-Trimethylbenzene	**150**	**J D**	250	56	ppb v/v			01/31/20 05:56	1270
sec-Butylbenzene	250	U	250	44	ppb v/v			01/31/20 05:56	1270
4-Isopropyltoluene	250	U	250	50	ppb v/v			01/31/20 05:56	1270
1,3-Dichlorobenzene	250	U	250	140	ppb v/v			01/31/20 05:56	1270
1,4-Dichlorobenzene	250	U	250	150	ppb v/v			01/31/20 05:56	1270
Benzyl chloride	250	U	250	110	ppb v/v			01/31/20 05:56	1270
n-Butylbenzene	250	U	250	50	ppb v/v			01/31/20 05:56	1270
1,2-Dichlorobenzene	250	U	250	120	ppb v/v			01/31/20 05:56	1270
1,2,4-Trichlorobenzene	630	U	630	280	ppb v/v			01/31/20 05:56	1270
Hexachlorobutadiene	250	U	250	97	ppb v/v			01/31/20 05:56	1270
Naphthalene	640	U	640	220	ppb v/v			01/31/20 05:56	1270

Client Sample ID: SV-04_20200124

Lab Sample ID: 200-52391-3

Date Collected: 01/24/20 12:20
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**4.0**		2.5	0.54	ug/m3			01/31/20 02:09	1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodifluoromethane	**2.9**		1.8	0.42	ug/m3			01/31/20 02:09	1
1,2-Dichlorotetrafluoroethane	**39**		1.4	0.24	ug/m3			01/31/20 02:09	1
Chloromethane	**3.6**		1.0	0.23	ug/m3			01/31/20 02:09	1
n-Butane	**920**	**E**	1.2	0.26	ug/m3			01/31/20 02:09	1
Vinyl chloride	**1.4**		0.20	0.11	ug/m3			01/31/20 02:09	1
1,3-Butadiene	**120**	**E**	0.44	0.13	ug/m3			01/31/20 02:09	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/31/20 02:09	1
Chloroethane	**0.42**	**J**	1.3	0.14	ug/m3			01/31/20 02:09	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/31/20 02:09	1
Trichlorofluoromethane	**1.9**		1.1	0.34	ug/m3			01/31/20 02:09	1
1,1,2-Trichlorotrifluoroethane	**0.38**	**J**	1.5	0.29	ug/m3			01/31/20 02:09	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/31/20 02:09	1
Acetone	**110**	**E**	12	2.9	ug/m3			01/31/20 02:09	1
Isopropyl alcohol	**3.7**	**J**	12	1.2	ug/m3			01/31/20 02:09	1
Carbon disulfide	**15**		1.6	0.23	ug/m3			01/31/20 02:09	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/31/20 02:09	1
Methylene Chloride	**4.0**		1.7	0.94	ug/m3			01/31/20 02:09	1
tert-Butyl alcohol	**6.0**	**J**	15	0.12	ug/m3			01/31/20 02:09	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/31/20 02:09	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/31/20 02:09	1
n-Hexane	**210**	**E**	0.70	0.70	ug/m3			01/31/20 02:09	1
1,1-Dichloroethane	**0.63**	**J**	0.81	0.17	ug/m3			01/31/20 02:09	1
Methyl Ethyl Ketone (2-Butanone)	**98**		1.5	0.21	ug/m3			01/31/20 02:09	1
cis-1,2-Dichloroethene	**2.3**		0.20	0.18	ug/m3			01/31/20 02:09	1
Chloroform	**0.19**	**J**	0.98	0.16	ug/m3			01/31/20 02:09	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			01/31/20 02:09	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 02:09	1
Cyclohexane	**62**		0.69	0.16	ug/m3			01/31/20 02:09	1
Carbon tetrachloride	**0.25**		0.22	0.15	ug/m3			01/31/20 02:09	1
2,2,4-Trimethylpentane	**250**	**E**	0.93	0.19	ug/m3			01/31/20 02:09	1
Benzene	**51**		0.64	0.21	ug/m3			01/31/20 02:09	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/31/20 02:09	1
n-Heptane	**160**		0.82	0.23	ug/m3			01/31/20 02:09	1
Trichloroethene	**2.5**		0.20	0.19	ug/m3			01/31/20 02:09	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/31/20 02:09	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/31/20 02:09	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/31/20 02:09	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/31/20 02:09	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/31/20 02:09	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**21**		2.0	0.15	ug/m3			01/31/20 02:09	1
Toluene	**220**	**E**	0.75	0.41	ug/m3			01/31/20 02:09	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/31/20 02:09	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 02:09	1
Tetrachloroethene	**14**		1.4	0.22	ug/m3			01/31/20 02:09	1
Methyl Butyl Ketone (2-Hexanone)	**33**		2.0	0.20	ug/m3			01/31/20 02:09	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/31/20 02:09	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/31/20 02:09	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/31/20 02:09	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**41**		0.87	0.27	ug/m3			01/31/20 02:09	1
m,p-Xylene	**110**		2.2	0.43	ug/m3			01/31/20 02:09	1
o-Xylene	**46**		0.87	0.21	ug/m3			01/31/20 02:09	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/31/20 02:09	1
Bromoform	2.1	U ^	2.1	0.50	ug/m3			01/31/20 02:09	1
Cumene	**4.3**		0.98	0.17	ug/m3			01/31/20 02:09	1
1,1,2,2-Tetrachloroethane	**0.55**	**J**	1.4	0.29	ug/m3			01/31/20 02:09	1
n-Propylbenzene	**5.7**		0.98	0.19	ug/m3			01/31/20 02:09	1
4-Ethyltoluene	**5.8**		0.98	0.20	ug/m3			01/31/20 02:09	1
1,3,5-Trimethylbenzene	**5.3**		0.98	0.19	ug/m3			01/31/20 02:09	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/31/20 02:09	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 02:09	1
1,2,4-Trimethylbenzene	**12**		0.98	0.22	ug/m3			01/31/20 02:09	1
sec-Butylbenzene	**0.82**	**J**	1.1	0.19	ug/m3			01/31/20 02:09	1
4-Isopropyltoluene	**0.42**	**J**	1.1	0.21	ug/m3			01/31/20 02:09	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/31/20 02:09	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/31/20 02:09	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/31/20 02:09	1
n-Butylbenzene	**0.49**	**J**	1.1	0.21	ug/m3			01/31/20 02:09	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/31/20 02:09	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/31/20 02:09	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/31/20 02:09	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/31/20 02:09	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.81**		0.50	0.11	ppb v/v			01/31/20 02:09	1
Chlorodifluoromethane	**0.83**		0.50	0.12	ppb v/v			01/31/20 02:09	1
1,2-Dichlorotetrafluoroethane	**5.6**		0.20	0.035	ppb v/v			01/31/20 02:09	1
Chloromethane	**1.8**		0.50	0.11	ppb v/v			01/31/20 02:09	1
n-Butane	**390**	**E**	0.50	0.11	ppb v/v			01/31/20 02:09	1
Vinyl chloride	**0.55**		0.078	0.044	ppb v/v			01/31/20 02:09	1
1,3-Butadiene	**56**	**E**	0.20	0.057	ppb v/v			01/31/20 02:09	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/31/20 02:09	1
Chloroethane	**0.16**	**J**	0.50	0.054	ppb v/v			01/31/20 02:09	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/31/20 02:09	1
Trichlorofluoromethane	**0.34**		0.20	0.060	ppb v/v			01/31/20 02:09	1
1,1,2-Trichlorotrifluoroethane	**0.050**	**J**	0.20	0.038	ppb v/v			01/31/20 02:09	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/31/20 02:09	1
Acetone	**48**	**E**	5.0	1.2	ppb v/v			01/31/20 02:09	1
Isopropyl alcohol	**1.5**	**J**	5.0	0.48	ppb v/v			01/31/20 02:09	1
Carbon disulfide	**4.7**		0.50	0.074	ppb v/v			01/31/20 02:09	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/31/20 02:09	1
Methylene Chloride	**1.1**		0.50	0.27	ppb v/v			01/31/20 02:09	1
tert-Butyl alcohol	**2.0**	**J**	5.0	0.038	ppb v/v			01/31/20 02:09	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/31/20 02:09	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/31/20 02:09	1
n-Hexane	**61**	**E**	0.20	0.20	ppb v/v			01/31/20 02:09	1
1,1-Dichloroethane	**0.16**	**J**	0.20	0.041	ppb v/v			01/31/20 02:09	1
Methyl Ethyl Ketone (2-Butanone)	**33**		0.50	0.072	ppb v/v			01/31/20 02:09	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.57		0.050	0.045	ppb v/v			01/31/20 02:09	1
Chloroform	0.038	J	0.20	0.032	ppb v/v			01/31/20 02:09	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			01/31/20 02:09	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 02:09	1
Cyclohexane	18		0.20	0.046	ppb v/v			01/31/20 02:09	1
Carbon tetrachloride	0.039		0.035	0.024	ppb v/v			01/31/20 02:09	1
2,2,4-Trimethylpentane	53	E	0.20	0.041	ppb v/v			01/31/20 02:09	1
Benzene	16		0.20	0.067	ppb v/v			01/31/20 02:09	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/31/20 02:09	1
n-Heptane	39		0.20	0.056	ppb v/v			01/31/20 02:09	1
Trichloroethene	0.47		0.037	0.035	ppb v/v			01/31/20 02:09	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/31/20 02:09	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/31/20 02:09	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/31/20 02:09	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 02:09	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/31/20 02:09	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0		0.50	0.036	ppb v/v			01/31/20 02:09	1
Toluene	59	E	0.20	0.11	ppb v/v			01/31/20 02:09	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/31/20 02:09	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 02:09	1
Tetrachloroethene	2.0		0.20	0.033	ppb v/v			01/31/20 02:09	1
Methyl Butyl Ketone (2-Hexanone)	8.0		0.50	0.048	ppb v/v			01/31/20 02:09	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 02:09	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/31/20 02:09	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/31/20 02:09	1
Ethylbenzene	9.3		0.20	0.063	ppb v/v			01/31/20 02:09	1
m,p-Xylene	26		0.50	0.10	ppb v/v			01/31/20 02:09	1
o-Xylene	11		0.20	0.048	ppb v/v			01/31/20 02:09	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/31/20 02:09	1
Bromoform	0.20	U ^	0.20	0.048	ppb v/v			01/31/20 02:09	1
Cumene	0.87		0.20	0.035	ppb v/v			01/31/20 02:09	1
1,1,2,2-Tetrachloroethane	0.080	J	0.20	0.042	ppb v/v			01/31/20 02:09	1
n-Propylbenzene	1.2		0.20	0.039	ppb v/v			01/31/20 02:09	1
4-Ethyltoluene	1.2		0.20	0.041	ppb v/v			01/31/20 02:09	1
1,3,5-Trimethylbenzene	1.1		0.20	0.039	ppb v/v			01/31/20 02:09	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/31/20 02:09	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 02:09	1
1,2,4-Trimethylbenzene	2.5		0.20	0.044	ppb v/v			01/31/20 02:09	1
sec-Butylbenzene	0.15	J	0.20	0.035	ppb v/v			01/31/20 02:09	1
4-Isopropyltoluene	0.077	J	0.20	0.039	ppb v/v			01/31/20 02:09	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/31/20 02:09	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/31/20 02:09	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/31/20 02:09	1
n-Butylbenzene	0.090	J	0.20	0.039	ppb v/v			01/31/20 02:09	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/31/20 02:09	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/31/20 02:09	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/31/20 02:09	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/31/20 02:09	1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	49	U	49	11	ug/m3			01/31/20 13:52	20
Chlorodifluoromethane	35	U	35	8.5	ug/m3			01/31/20 13:52	20
1,2-Dichlorotetrafluoroethane	**41**	**D**	28	4.9	ug/m3			01/31/20 13:52	20
Chloromethane	21	U	21	4.5	ug/m3			01/31/20 13:52	20
n-Butane	**1300**	**D**	24	5.2	ug/m3			01/31/20 13:52	20
Vinyl chloride	4.0	U	4.0	2.2	ug/m3			01/31/20 13:52	20
1,3-Butadiene	**120**	**D**	8.8	2.5	ug/m3			01/31/20 13:52	20
Bromomethane	16	U	16	4.0	ug/m3			01/31/20 13:52	20
Chloroethane	26	U	26	2.8	ug/m3			01/31/20 13:52	20
Bromoethene(Vinyl Bromide)	17	U	17	4.5	ug/m3			01/31/20 13:52	20
Trichlorofluoromethane	22	U	22	6.7	ug/m3			01/31/20 13:52	20
1,1,2-Trichlorotrifluoroethane	31	U	31	5.8	ug/m3			01/31/20 13:52	20
1,1-Dichloroethene	4.0	U	4.0	3.1	ug/m3			01/31/20 13:52	20
Acetone	**110**	**J D**	240	57	ug/m3			01/31/20 13:52	20
Isopropyl alcohol	250	U	250	24	ug/m3			01/31/20 13:52	20
Carbon disulfide	**16**	**J D**	31	4.6	ug/m3			01/31/20 13:52	20
3-Chloropropene	31	U	31	4.0	ug/m3			01/31/20 13:52	20
Methylene Chloride	35	U	35	19	ug/m3			01/31/20 13:52	20
tert-Butyl alcohol	**6.8**	**J D**	300	2.3	ug/m3			01/31/20 13:52	20
Methyl tert-butyl ether	14	U	14	2.4	ug/m3			01/31/20 13:52	20
trans-1,2-Dichloroethene	16	U	16	3.3	ug/m3			01/31/20 13:52	20
n-Hexane	**240**	**D**	14	14	ug/m3			01/31/20 13:52	20
1,1-Dichloroethane	16	U	16	3.3	ug/m3			01/31/20 13:52	20
Methyl Ethyl Ketone (2-Butanone)	**86**	**D**	29	4.2	ug/m3			01/31/20 13:52	20
cis-1,2-Dichloroethene	4.0	U	4.0	3.6	ug/m3			01/31/20 13:52	20
Chloroform	20	U	20	3.1	ug/m3			01/31/20 13:52	20
Tetrahydrofuran	290	U	290	3.9	ug/m3			01/31/20 13:52	20
1,1,1-Trichloroethane	22	U	22	3.9	ug/m3			01/31/20 13:52	20
Cyclohexane	**66**	**D**	14	3.2	ug/m3			01/31/20 13:52	20
Carbon tetrachloride	4.4	U	4.4	3.0	ug/m3			01/31/20 13:52	20
2,2,4-Trimethylpentane	**290**	**D**	19	3.8	ug/m3			01/31/20 13:52	20
Benzene	**55**	**D**	13	4.3	ug/m3			01/31/20 13:52	20
1,2-Dichloroethane	16	U	16	2.6	ug/m3			01/31/20 13:52	20
n-Heptane	**170**	**D**	16	4.6	ug/m3			01/31/20 13:52	20
Trichloroethene	4.0	U	4.0	3.8	ug/m3			01/31/20 13:52	20
Methyl methacrylate	41	U	41	2.7	ug/m3			01/31/20 13:52	20
1,2-Dichloropropane	18	U	18	3.1	ug/m3			01/31/20 13:52	20
1,4-Dioxane	360	U	360	6.1	ug/m3			01/31/20 13:52	20
Bromodichloromethane	27	U	27	4.7	ug/m3			01/31/20 13:52	20
cis-1,3-Dichloropropene	18	U	18	2.9	ug/m3			01/31/20 13:52	20
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**21**	**J D**	41	2.9	ug/m3			01/31/20 13:52	20
Toluene	**310**	**D**	15	8.3	ug/m3			01/31/20 13:52	20
trans-1,3-Dichloropropene	18	U	18	3.5	ug/m3			01/31/20 13:52	20
1,1,2-Trichloroethane	22	U	22	3.9	ug/m3			01/31/20 13:52	20
Tetrachloroethene	**18**	**J D**	27	4.5	ug/m3			01/31/20 13:52	20
Methyl Butyl Ketone (2-Hexanone)	**18**	**J D**	41	3.9	ug/m3			01/31/20 13:52	20
Dibromochloromethane	34	U	34	6.1	ug/m3			01/31/20 13:52	20
1,2-Dibromoethane	31	U	31	7.5	ug/m3			01/31/20 13:52	20

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	18	U	18	5.2	ug/m3			01/31/20 13:52	20
Ethylbenzene	**42**	**D**	17	5.5	ug/m3			01/31/20 13:52	20
m,p-Xylene	**120**	**D**	43	8.7	ug/m3			01/31/20 13:52	20
o-Xylene	**50**	**D**	17	4.2	ug/m3			01/31/20 13:52	20
Styrene	17	U	17	3.4	ug/m3			01/31/20 13:52	20
Bromoform	41	U ^	41	9.9	ug/m3			01/31/20 13:52	20
Cumene	**5.6**	**J D**	20	3.4	ug/m3			01/31/20 13:52	20
1,1,2,2-Tetrachloroethane	27	U	27	5.8	ug/m3			01/31/20 13:52	20
n-Propylbenzene	**6.5**	**J D**	20	3.8	ug/m3			01/31/20 13:52	20
4-Ethyltoluene	**6.6**	**J D**	20	4.0	ug/m3			01/31/20 13:52	20
1,3,5-Trimethylbenzene	**7.2**	**J D**	20	3.8	ug/m3			01/31/20 13:52	20
2-Chlorotoluene	21	U	21	4.3	ug/m3			01/31/20 13:52	20
tert-Butylbenzene	22	U	22	3.8	ug/m3			01/31/20 13:52	20
1,2,4-Trimethylbenzene	**14**	**J D**	20	4.3	ug/m3			01/31/20 13:52	20
sec-Butylbenzene	22	U	22	3.8	ug/m3			01/31/20 13:52	20
4-Isopropyltoluene	22	U	22	4.3	ug/m3			01/31/20 13:52	20
1,3-Dichlorobenzene	24	U	24	13	ug/m3			01/31/20 13:52	20
1,4-Dichlorobenzene	24	U	24	14	ug/m3			01/31/20 13:52	20
Benzyl chloride	21	U	21	8.8	ug/m3			01/31/20 13:52	20
n-Butylbenzene	22	U	22	4.3	ug/m3			01/31/20 13:52	20
1,2-Dichlorobenzene	24	U	24	12	ug/m3			01/31/20 13:52	20
1,2,4-Trichlorobenzene	74	U	74	33	ug/m3			01/31/20 13:52	20
Hexachlorobutadiene	43	U	43	16	ug/m3			01/31/20 13:52	20
Naphthalene	52	U	52	18	ug/m3			01/31/20 13:52	20

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	10	U	10	2.2	ppb v/v			01/31/20 13:52	20
Chlorodifluoromethane	10	U	10	2.4	ppb v/v			01/31/20 13:52	20
1,2-Dichlorotetrafluoroethane	**5.9**	**D**	4.0	0.70	ppb v/v			01/31/20 13:52	20
Chloromethane	10	U	10	2.2	ppb v/v			01/31/20 13:52	20
n-Butane	**530**	**D**	10	2.2	ppb v/v			01/31/20 13:52	20
Vinyl chloride	1.6	U	1.6	0.88	ppb v/v			01/31/20 13:52	20
1,3-Butadiene	**56**	**D**	4.0	1.1	ppb v/v			01/31/20 13:52	20
Bromomethane	4.0	U	4.0	1.0	ppb v/v			01/31/20 13:52	20
Chloroethane	10	U	10	1.1	ppb v/v			01/31/20 13:52	20
Bromoethene(Vinyl Bromide)	4.0	U	4.0	1.0	ppb v/v			01/31/20 13:52	20
Trichlorofluoromethane	4.0	U	4.0	1.2	ppb v/v			01/31/20 13:52	20
1,1,2-Trichlorotrifluoroethane	4.0	U	4.0	0.76	ppb v/v			01/31/20 13:52	20
1,1-Dichloroethene	1.0	U	1.0	0.78	ppb v/v			01/31/20 13:52	20
Acetone	**44**	**J D**	100	24	ppb v/v			01/31/20 13:52	20
Isopropyl alcohol	100	U	100	9.6	ppb v/v			01/31/20 13:52	20
Carbon disulfide	**5.2**	**J D**	10	1.5	ppb v/v			01/31/20 13:52	20
3-Chloropropene	10	U	10	1.3	ppb v/v			01/31/20 13:52	20
Methylene Chloride	10	U	10	5.4	ppb v/v			01/31/20 13:52	20
tert-Butyl alcohol	**2.2**	**J D**	100	0.76	ppb v/v			01/31/20 13:52	20
Methyl tert-butyl ether	4.0	U	4.0	0.66	ppb v/v			01/31/20 13:52	20
trans-1,2-Dichloroethene	4.0	U	4.0	0.84	ppb v/v			01/31/20 13:52	20
n-Hexane	**69**	**D**	4.0	4.0	ppb v/v			01/31/20 13:52	20
1,1-Dichloroethane	4.0	U	4.0	0.82	ppb v/v			01/31/20 13:52	20

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-04_20200124
Date Collected: 01/24/20 12:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-3
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	**29**	**D**	10	1.4	ppb v/v			01/31/20 13:52	20
cis-1,2-Dichloroethene	1.0	U	1.0	0.90	ppb v/v			01/31/20 13:52	20
Chloroform	4.0	U	4.0	0.64	ppb v/v			01/31/20 13:52	20
Tetrahydrofuran	100	U	100	1.3	ppb v/v			01/31/20 13:52	20
1,1,1-Trichloroethane	4.0	U	4.0	0.72	ppb v/v			01/31/20 13:52	20
Cyclohexane	**19**	**D**	4.0	0.92	ppb v/v			01/31/20 13:52	20
Carbon tetrachloride	0.70	U	0.70	0.48	ppb v/v			01/31/20 13:52	20
2,2,4-Trimethylpentane	**63**	**D**	4.0	0.82	ppb v/v			01/31/20 13:52	20
Benzene	**17**	**D**	4.0	1.3	ppb v/v			01/31/20 13:52	20
1,2-Dichloroethane	4.0	U	4.0	0.64	ppb v/v			01/31/20 13:52	20
n-Heptane	**42**	**D**	4.0	1.1	ppb v/v			01/31/20 13:52	20
Trichloroethene	0.74	U	0.74	0.70	ppb v/v			01/31/20 13:52	20
Methyl methacrylate	10	U	10	0.66	ppb v/v			01/31/20 13:52	20
1,2-Dichloropropane	4.0	U	4.0	0.66	ppb v/v			01/31/20 13:52	20
1,4-Dioxane	100	U	100	1.7	ppb v/v			01/31/20 13:52	20
Bromodichloromethane	4.0	U	4.0	0.70	ppb v/v			01/31/20 13:52	20
cis-1,3-Dichloropropene	4.0	U	4.0	0.64	ppb v/v			01/31/20 13:52	20
4-Methyl-2-pentanone (Methyl isobutyl ketone)	**5.1**	**J D**	10	0.72	ppb v/v			01/31/20 13:52	20
Toluene	**83**	**D**	4.0	2.2	ppb v/v			01/31/20 13:52	20
trans-1,3-Dichloropropene	4.0	U	4.0	0.78	ppb v/v			01/31/20 13:52	20
1,1,2-Trichloroethane	4.0	U	4.0	0.72	ppb v/v			01/31/20 13:52	20
Tetrachloroethene	**2.6**	**J D**	4.0	0.66	ppb v/v			01/31/20 13:52	20
Methyl Butyl Ketone (2-Hexanone)	**4.5**	**J D**	10	0.96	ppb v/v			01/31/20 13:52	20
Dibromochloromethane	4.0	U	4.0	0.72	ppb v/v			01/31/20 13:52	20
1,2-Dibromoethane	4.0	U	4.0	0.98	ppb v/v			01/31/20 13:52	20
Chlorobenzene	4.0	U	4.0	1.1	ppb v/v			01/31/20 13:52	20
Ethylbenzene	**9.6**	**D**	4.0	1.3	ppb v/v			01/31/20 13:52	20
m,p-Xylene	**27**	**D**	10	2.0	ppb v/v			01/31/20 13:52	20
o-Xylene	**12**	**D**	4.0	0.96	ppb v/v			01/31/20 13:52	20
Styrene	4.0	U	4.0	0.80	ppb v/v			01/31/20 13:52	20
Bromoform	4.0	U ^	4.0	0.96	ppb v/v			01/31/20 13:52	20
Cumene	**1.1**	**J D**	4.0	0.70	ppb v/v			01/31/20 13:52	20
1,1,2,2-Tetrachloroethane	4.0	U	4.0	0.84	ppb v/v			01/31/20 13:52	20
n-Propylbenzene	**1.3**	**J D**	4.0	0.78	ppb v/v			01/31/20 13:52	20
4-Ethyltoluene	**1.3**	**J D**	4.0	0.82	ppb v/v			01/31/20 13:52	20
1,3,5-Trimethylbenzene	**1.5**	**J D**	4.0	0.78	ppb v/v			01/31/20 13:52	20
2-Chlorotoluene	4.0	U	4.0	0.84	ppb v/v			01/31/20 13:52	20
tert-Butylbenzene	4.0	U	4.0	0.70	ppb v/v			01/31/20 13:52	20
1,2,4-Trimethylbenzene	**2.8**	**J D**	4.0	0.88	ppb v/v			01/31/20 13:52	20
sec-Butylbenzene	4.0	U	4.0	0.70	ppb v/v			01/31/20 13:52	20
4-Isopropyltoluene	4.0	U	4.0	0.78	ppb v/v			01/31/20 13:52	20
1,3-Dichlorobenzene	4.0	U	4.0	2.2	ppb v/v			01/31/20 13:52	20
1,4-Dichlorobenzene	4.0	U	4.0	2.4	ppb v/v			01/31/20 13:52	20
Benzyl chloride	4.0	U	4.0	1.7	ppb v/v			01/31/20 13:52	20
n-Butylbenzene	4.0	U	4.0	0.78	ppb v/v			01/31/20 13:52	20
1,2-Dichlorobenzene	4.0	U	4.0	1.9	ppb v/v			01/31/20 13:52	20
1,2,4-Trichlorobenzene	10	U	10	4.4	ppb v/v			01/31/20 13:52	20
Hexachlorobutadiene	4.0	U	4.0	1.5	ppb v/v			01/31/20 13:52	20

Client Sample ID: SV-04_20200124

Lab Sample ID: 200-52391-3

Date Collected: 01/24/20 12:20
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	10	U	10	3.4	ppb v/v			01/31/20 13:52	20

Client Sample ID: SV-06_20200124

Lab Sample ID: 200-52391-4

Date Collected: 01/24/20 13:20
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.0**	**J**	2.5	0.54	ug/m3			01/31/20 04:05	1
Chlorodifluoromethane	**2.3**		1.8	0.42	ug/m3			01/31/20 04:05	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/31/20 04:05	1
Chloromethane	**1.2**		1.0	0.23	ug/m3			01/31/20 04:05	1
n-Butane	**18**		1.2	0.26	ug/m3			01/31/20 04:05	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/31/20 04:05	1
1,3-Butadiene	**0.73**		0.44	0.13	ug/m3			01/31/20 04:05	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/31/20 04:05	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/31/20 04:05	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/31/20 04:05	1
Trichlorofluoromethane	**1.2**		1.1	0.34	ug/m3			01/31/20 04:05	1
1,1,2-Trichlorotrifluoroethane	**0.54**	**J**	1.5	0.29	ug/m3			01/31/20 04:05	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/31/20 04:05	1
Acetone	**12**		12	2.9	ug/m3			01/31/20 04:05	1
Isopropyl alcohol	**3.7**	**J**	12	1.2	ug/m3			01/31/20 04:05	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			01/31/20 04:05	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/31/20 04:05	1
Methylene Chloride	**1.0**	**J**	1.7	0.94	ug/m3			01/31/20 04:05	1
tert-Butyl alcohol	**0.23**	**J**	15	0.12	ug/m3			01/31/20 04:05	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/31/20 04:05	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/31/20 04:05	1
n-Hexane	**2.4**		0.70	0.70	ug/m3			01/31/20 04:05	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/31/20 04:05	1
Methyl Ethyl Ketone (2-Butanone)	**3.9**		1.5	0.21	ug/m3			01/31/20 04:05	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/31/20 04:05	1
Chloroform	**0.22**	**J**	0.98	0.16	ug/m3			01/31/20 04:05	1
Tetrahydrofuran	**0.30**	**J**	15	0.19	ug/m3			01/31/20 04:05	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 04:05	1
Cyclohexane	**0.83**		0.69	0.16	ug/m3			01/31/20 04:05	1
Carbon tetrachloride	**0.41**		0.22	0.15	ug/m3			01/31/20 04:05	1
2,2,4-Trimethylpentane	**2.3**		0.93	0.19	ug/m3			01/31/20 04:05	1
Benzene	**1.7**		0.64	0.21	ug/m3			01/31/20 04:05	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/31/20 04:05	1
n-Heptane	**2.3**		0.82	0.23	ug/m3			01/31/20 04:05	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			01/31/20 04:05	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/31/20 04:05	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/31/20 04:05	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/31/20 04:05	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/31/20 04:05	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/31/20 04:05	1

Client Sample ID: SV-06_20200124
Date Collected: 01/24/20 13:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/31/20 04:05	1
Toluene	**5.9**		0.75	0.41	ug/m3			01/31/20 04:05	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/31/20 04:05	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 04:05	1
Tetrachloroethene	**1.2**	**J**	1.4	0.22	ug/m3			01/31/20 04:05	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			01/31/20 04:05	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/31/20 04:05	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/31/20 04:05	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/31/20 04:05	1
Ethylbenzene	**1.0**		0.87	0.27	ug/m3			01/31/20 04:05	1
m,p-Xylene	**3.3**		2.2	0.43	ug/m3			01/31/20 04:05	1
o-Xylene	**1.2**		0.87	0.21	ug/m3			01/31/20 04:05	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/31/20 04:05	1
Bromoform	2.1	U ^	2.1	0.50	ug/m3			01/31/20 04:05	1
Cumene	**0.18**	**J**	0.98	0.17	ug/m3			01/31/20 04:05	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			01/31/20 04:05	1
n-Propylbenzene	**0.25**	**J**	0.98	0.19	ug/m3			01/31/20 04:05	1
4-Ethyltoluene	**0.33**	**J**	0.98	0.20	ug/m3			01/31/20 04:05	1
1,3,5-Trimethylbenzene	**0.34**	**J**	0.98	0.19	ug/m3			01/31/20 04:05	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/31/20 04:05	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 04:05	1
1,2,4-Trimethylbenzene	**1.0**		0.98	0.22	ug/m3			01/31/20 04:05	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 04:05	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			01/31/20 04:05	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/31/20 04:05	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/31/20 04:05	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/31/20 04:05	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/31/20 04:05	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/31/20 04:05	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/31/20 04:05	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/31/20 04:05	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/31/20 04:05	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.40**	**J**	0.50	0.11	ppb v/v			01/31/20 04:05	1
Chlorodifluoromethane	**0.64**		0.50	0.12	ppb v/v			01/31/20 04:05	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 04:05	1
Chloromethane	**0.59**		0.50	0.11	ppb v/v			01/31/20 04:05	1
n-Butane	**7.6**		0.50	0.11	ppb v/v			01/31/20 04:05	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/31/20 04:05	1
1,3-Butadiene	**0.33**		0.20	0.057	ppb v/v			01/31/20 04:05	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/31/20 04:05	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/31/20 04:05	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/31/20 04:05	1
Trichlorofluoromethane	**0.21**		0.20	0.060	ppb v/v			01/31/20 04:05	1
1,1,2-Trichlorotrifluoroethane	**0.071**	**J**	0.20	0.038	ppb v/v			01/31/20 04:05	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/31/20 04:05	1
Acetone	**5.1**		5.0	1.2	ppb v/v			01/31/20 04:05	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-06_20200124
Date Collected: 01/24/20 13:20
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-4
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropyl alcohol	**1.5**	**J**	5.0	0.48	ppb v/v			01/31/20 04:05	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			01/31/20 04:05	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/31/20 04:05	1
Methylene Chloride	**0.29**	**J**	0.50	0.27	ppb v/v			01/31/20 04:05	1
tert-Butyl alcohol	**0.077**	**J**	5.0	0.038	ppb v/v			01/31/20 04:05	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/31/20 04:05	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/31/20 04:05	1
n-Hexane	**0.67**		0.20	0.20	ppb v/v			01/31/20 04:05	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/31/20 04:05	1
Methyl Ethyl Ketone (2-Butanone)	**1.3**		0.50	0.072	ppb v/v			01/31/20 04:05	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/31/20 04:05	1
Chloroform	**0.046**	**J**	0.20	0.032	ppb v/v			01/31/20 04:05	1
Tetrahydrofuran	**0.10**	**J**	5.0	0.066	ppb v/v			01/31/20 04:05	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 04:05	1
Cyclohexane	**0.24**		0.20	0.046	ppb v/v			01/31/20 04:05	1
Carbon tetrachloride	**0.065**		0.035	0.024	ppb v/v			01/31/20 04:05	1
2,2,4-Trimethylpentane	**0.50**		0.20	0.041	ppb v/v			01/31/20 04:05	1
Benzene	**0.55**		0.20	0.067	ppb v/v			01/31/20 04:05	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/31/20 04:05	1
n-Heptane	**0.56**		0.20	0.056	ppb v/v			01/31/20 04:05	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			01/31/20 04:05	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/31/20 04:05	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/31/20 04:05	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/31/20 04:05	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 04:05	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/31/20 04:05	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/31/20 04:05	1
Toluene	**1.6**		0.20	0.11	ppb v/v			01/31/20 04:05	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/31/20 04:05	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 04:05	1
Tetrachloroethene	**0.18**	**J**	0.20	0.033	ppb v/v			01/31/20 04:05	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			01/31/20 04:05	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 04:05	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/31/20 04:05	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/31/20 04:05	1
Ethylbenzene	**0.24**		0.20	0.063	ppb v/v			01/31/20 04:05	1
m,p-Xylene	**0.77**		0.50	0.10	ppb v/v			01/31/20 04:05	1
o-Xylene	**0.29**		0.20	0.048	ppb v/v			01/31/20 04:05	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/31/20 04:05	1
Bromoform	0.20	U ^	0.20	0.048	ppb v/v			01/31/20 04:05	1
Cumene	**0.036**	**J**	0.20	0.035	ppb v/v			01/31/20 04:05	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			01/31/20 04:05	1
n-Propylbenzene	**0.051**	**J**	0.20	0.039	ppb v/v			01/31/20 04:05	1
4-Ethyltoluene	**0.068**	**J**	0.20	0.041	ppb v/v			01/31/20 04:05	1
1,3,5-Trimethylbenzene	**0.070**	**J**	0.20	0.039	ppb v/v			01/31/20 04:05	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/31/20 04:05	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 04:05	1
1,2,4-Trimethylbenzene	**0.21**		0.20	0.044	ppb v/v			01/31/20 04:05	1

Client Sample ID: SV-06_20200124

Lab Sample ID: 200-52391-4

Date Collected: 01/24/20 13:20
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 04:05	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			01/31/20 04:05	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/31/20 04:05	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/31/20 04:05	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/31/20 04:05	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/31/20 04:05	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/31/20 04:05	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/31/20 04:05	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/31/20 04:05	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/31/20 04:05	1

Client Sample ID: SV-07_20200124

Lab Sample ID: 200-52391-5

Date Collected: 01/24/20 14:28
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**880**	**E**	2.5	0.54	ug/m3			02/03/20 20:32	1
Chlorodifluoromethane	**1.5**	**J**	1.8	0.42	ug/m3			02/03/20 20:32	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			02/03/20 20:32	1
Chloromethane	1.0	U	1.0	0.23	ug/m3			02/03/20 20:32	1
n-Butane	**9.3**		1.2	0.26	ug/m3			02/03/20 20:32	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			02/03/20 20:32	1
1,3-Butadiene	**2.7**		0.44	0.13	ug/m3			02/03/20 20:32	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			02/03/20 20:32	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			02/03/20 20:32	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			02/03/20 20:32	1
Trichlorofluoromethane	**6.2**		1.1	0.34	ug/m3			02/03/20 20:32	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.29	ug/m3			02/03/20 20:32	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			02/03/20 20:32	1
Acetone	**29**		12	2.9	ug/m3			02/03/20 20:32	1
Isopropyl alcohol	**1.5**	**J**	12	1.2	ug/m3			02/03/20 20:32	1
Carbon disulfide	**1.1**	**J**	1.6	0.23	ug/m3			02/03/20 20:32	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			02/03/20 20:32	1
Methylene Chloride	**2.3**		1.7	0.94	ug/m3			02/03/20 20:32	1
tert-Butyl alcohol	**0.73**	**J**	15	0.12	ug/m3			02/03/20 20:32	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			02/03/20 20:32	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			02/03/20 20:32	1
n-Hexane	**120**		0.70	0.70	ug/m3			02/03/20 20:32	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			02/03/20 20:32	1
Methyl Ethyl Ketone (2-Butanone)	**5.6**		1.5	0.21	ug/m3			02/03/20 20:32	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			02/03/20 20:32	1
Chloroform	**12**		0.98	0.16	ug/m3			02/03/20 20:32	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			02/03/20 20:32	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 20:32	1
Cyclohexane	**60**		0.69	0.16	ug/m3			02/03/20 20:32	1
Carbon tetrachloride	**0.38**		0.22	0.15	ug/m3			02/03/20 20:32	1
2,2,4-Trimethylpentane	**41**		0.93	0.19	ug/m3			02/03/20 20:32	1

Client Sample ID: SV-07_20200124

Lab Sample ID: 200-52391-5

Date Collected: 01/24/20 14:28
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**9.2**		0.64	0.21	ug/m3			02/03/20 20:32	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			02/03/20 20:32	1
n-Heptane	**380**	**E**	0.82	0.23	ug/m3			02/03/20 20:32	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			02/03/20 20:32	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			02/03/20 20:32	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			02/03/20 20:32	1
1,4-Dioxane	18	U	18	0.30	ug/m3			02/03/20 20:32	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			02/03/20 20:32	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			02/03/20 20:32	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			02/03/20 20:32	1
Toluene	**250**	**E**	0.75	0.41	ug/m3			02/03/20 20:32	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			02/03/20 20:32	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 20:32	1
Tetrachloroethene	**7.9**		1.4	0.22	ug/m3			02/03/20 20:32	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			02/03/20 20:32	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			02/03/20 20:32	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			02/03/20 20:32	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			02/03/20 20:32	1
Ethylbenzene	**160**		0.87	0.27	ug/m3			02/03/20 20:32	1
m,p-Xylene	**880**	**E**	2.2	0.43	ug/m3			02/03/20 20:32	1
o-Xylene	**230**	**E**	0.87	0.21	ug/m3			02/03/20 20:32	1
Styrene	0.85	U	0.85	0.17	ug/m3			02/03/20 20:32	1
Bromoform	2.1	U	2.1	0.50	ug/m3			02/03/20 20:32	1
Cumene	**35**		0.98	0.17	ug/m3			02/03/20 20:32	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			02/03/20 20:32	1
n-Propylbenzene	**26**		0.98	0.19	ug/m3			02/03/20 20:32	1
4-Ethyltoluene	**29**		0.98	0.20	ug/m3			02/03/20 20:32	1
1,3,5-Trimethylbenzene	**34**		0.98	0.19	ug/m3			02/03/20 20:32	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			02/03/20 20:32	1
tert-Butylbenzene	**0.27**	**J**	1.1	0.19	ug/m3			02/03/20 20:32	1
1,2,4-Trimethylbenzene	**33**		0.98	0.22	ug/m3			02/03/20 20:32	1
sec-Butylbenzene	**1.9**		1.1	0.19	ug/m3			02/03/20 20:32	1
4-Isopropyltoluene	**0.55**	**J**	1.1	0.21	ug/m3			02/03/20 20:32	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			02/03/20 20:32	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			02/03/20 20:32	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			02/03/20 20:32	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			02/03/20 20:32	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			02/03/20 20:32	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			02/03/20 20:32	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			02/03/20 20:32	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			02/03/20 20:32	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**180**	**E**	0.50	0.11	ppb v/v			02/03/20 20:32	1
Chlorodifluoromethane	**0.42**	**J**	0.50	0.12	ppb v/v			02/03/20 20:32	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 20:32	1
Chloromethane	0.50	U	0.50	0.11	ppb v/v			02/03/20 20:32	1
n-Butane	**3.9**		0.50	0.11	ppb v/v			02/03/20 20:32	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-07_20200124
Date Collected: 01/24/20 14:28
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			02/03/20 20:32	1
1,3-Butadiene	**1.2**		0.20	0.057	ppb v/v			02/03/20 20:32	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			02/03/20 20:32	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			02/03/20 20:32	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			02/03/20 20:32	1
Trichlorofluoromethane	**1.1**		0.20	0.060	ppb v/v			02/03/20 20:32	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.038	ppb v/v			02/03/20 20:32	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			02/03/20 20:32	1
Acetone	**12**		5.0	1.2	ppb v/v			02/03/20 20:32	1
Isopropyl alcohol	**0.62**	**J**	5.0	0.48	ppb v/v			02/03/20 20:32	1
Carbon disulfide	**0.37**	**J**	0.50	0.074	ppb v/v			02/03/20 20:32	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			02/03/20 20:32	1
Methylene Chloride	**0.67**		0.50	0.27	ppb v/v			02/03/20 20:32	1
tert-Butyl alcohol	**0.24**	**J**	5.0	0.038	ppb v/v			02/03/20 20:32	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			02/03/20 20:32	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			02/03/20 20:32	1
n-Hexane	**33**		0.20	0.20	ppb v/v			02/03/20 20:32	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			02/03/20 20:32	1
Methyl Ethyl Ketone (2-Butanone)	**1.9**		0.50	0.072	ppb v/v			02/03/20 20:32	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			02/03/20 20:32	1
Chloroform	**2.5**		0.20	0.032	ppb v/v			02/03/20 20:32	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			02/03/20 20:32	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 20:32	1
Cyclohexane	**17**		0.20	0.046	ppb v/v			02/03/20 20:32	1
Carbon tetrachloride	**0.061**		0.035	0.024	ppb v/v			02/03/20 20:32	1
2,2,4-Trimethylpentane	**8.9**		0.20	0.041	ppb v/v			02/03/20 20:32	1
Benzene	**2.9**		0.20	0.067	ppb v/v			02/03/20 20:32	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			02/03/20 20:32	1
n-Heptane	**94**	**E**	0.20	0.056	ppb v/v			02/03/20 20:32	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			02/03/20 20:32	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			02/03/20 20:32	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			02/03/20 20:32	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			02/03/20 20:32	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 20:32	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			02/03/20 20:32	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			02/03/20 20:32	1
Toluene	**65**	**E**	0.20	0.11	ppb v/v			02/03/20 20:32	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			02/03/20 20:32	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 20:32	1
Tetrachloroethene	**1.2**		0.20	0.033	ppb v/v			02/03/20 20:32	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			02/03/20 20:32	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 20:32	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			02/03/20 20:32	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			02/03/20 20:32	1
Ethylbenzene	**36**		0.20	0.063	ppb v/v			02/03/20 20:32	1
m,p-Xylene	**200**	**E**	0.50	0.10	ppb v/v			02/03/20 20:32	1
o-Xylene	**52**	**E**	0.20	0.048	ppb v/v			02/03/20 20:32	1
Styrene	0.20	U	0.20	0.040	ppb v/v			02/03/20 20:32	1

Client Sample ID: SV-07_20200124
Date Collected: 01/24/20 14:28
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	0.20	U	0.20	0.048	ppb v/v			02/03/20 20:32	1
Cumene	**7.1**		0.20	0.035	ppb v/v			02/03/20 20:32	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			02/03/20 20:32	1
n-Propylbenzene	**5.3**		0.20	0.039	ppb v/v			02/03/20 20:32	1
4-Ethyltoluene	**5.9**		0.20	0.041	ppb v/v			02/03/20 20:32	1
1,3,5-Trimethylbenzene	**7.0**		0.20	0.039	ppb v/v			02/03/20 20:32	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			02/03/20 20:32	1
tert-Butylbenzene	**0.050**	**J**	0.20	0.035	ppb v/v			02/03/20 20:32	1
1,2,4-Trimethylbenzene	**6.7**		0.20	0.044	ppb v/v			02/03/20 20:32	1
sec-Butylbenzene	**0.35**		0.20	0.035	ppb v/v			02/03/20 20:32	1
4-Isopropyltoluene	**0.099**	**J**	0.20	0.039	ppb v/v			02/03/20 20:32	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			02/03/20 20:32	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			02/03/20 20:32	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			02/03/20 20:32	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 20:32	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			02/03/20 20:32	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			02/03/20 20:32	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			02/03/20 20:32	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			02/03/20 20:32	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**1100**	**D**	25	5.4	ug/m3			02/03/20 21:22	10
Chlorodifluoromethane	18	U	18	4.2	ug/m3			02/03/20 21:22	10
1,2-Dichlorotetrafluoroethane	14	U	14	2.4	ug/m3			02/03/20 21:22	10
Chloromethane	10	U	10	2.3	ug/m3			02/03/20 21:22	10
n-Butane	**9.6**	**J D**	12	2.6	ug/m3			02/03/20 21:22	10
Vinyl chloride	2.0	U	2.0	1.1	ug/m3			02/03/20 21:22	10
1,3-Butadiene	**2.8**	**J D**	4.4	1.3	ug/m3			02/03/20 21:22	10
Bromomethane	7.8	U	7.8	2.0	ug/m3			02/03/20 21:22	10
Chloroethane	13	U	13	1.4	ug/m3			02/03/20 21:22	10
Bromoethene(Vinyl Bromide)	8.7	U	8.7	2.3	ug/m3			02/03/20 21:22	10
Trichlorofluoromethane	**6.3**	**J D**	11	3.4	ug/m3			02/03/20 21:22	10
1,1,2-Trichlorotrifluoroethane	15	U	15	2.9	ug/m3			02/03/20 21:22	10
1,1-Dichloroethene	2.0	U	2.0	1.5	ug/m3			02/03/20 21:22	10
Acetone	120	U	120	29	ug/m3			02/03/20 21:22	10
Isopropyl alcohol	120	U	120	12	ug/m3			02/03/20 21:22	10
Carbon disulfide	16	U	16	2.3	ug/m3			02/03/20 21:22	10
3-Chloropropene	16	U	16	2.0	ug/m3			02/03/20 21:22	10
Methylene Chloride	17	U	17	9.4	ug/m3			02/03/20 21:22	10
tert-Butyl alcohol	150	U	150	1.2	ug/m3			02/03/20 21:22	10
Methyl tert-butyl ether	7.2	U	7.2	1.2	ug/m3			02/03/20 21:22	10
trans-1,2-Dichloroethene	7.9	U	7.9	1.7	ug/m3			02/03/20 21:22	10
n-Hexane	**99**	**D**	7.0	7.0	ug/m3			02/03/20 21:22	10
1,1-Dichloroethane	8.1	U	8.1	1.7	ug/m3			02/03/20 21:22	10
Methyl Ethyl Ketone (2-Butanone)	**4.6**	**J D**	15	2.1	ug/m3			02/03/20 21:22	10
cis-1,2-Dichloroethene	2.0	U	2.0	1.8	ug/m3			02/03/20 21:22	10
Chloroform	**9.2**	**J D**	9.8	1.6	ug/m3			02/03/20 21:22	10
Tetrahydrofuran	150	U	150	1.9	ug/m3			02/03/20 21:22	10

Client Sample ID: SV-07_20200124
Date Collected: 01/24/20 14:28
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	11	U	11	2.0	ug/m3			02/03/20 21:22	10
Cyclohexane	**52**	**D**	6.9	1.6	ug/m3			02/03/20 21:22	10
Carbon tetrachloride	2.2	U	2.2	1.5	ug/m3			02/03/20 21:22	10
2,2,4-Trimethylpentane	**34**	**D**	9.3	1.9	ug/m3			02/03/20 21:22	10
Benzene	**8.3**	**D**	6.4	2.1	ug/m3			02/03/20 21:22	10
1,2-Dichloroethane	8.1	U	8.1	1.3	ug/m3			02/03/20 21:22	10
n-Heptane	**380**	**D**	8.2	2.3	ug/m3			02/03/20 21:22	10
Trichloroethene	2.0	U	2.0	1.9	ug/m3			02/03/20 21:22	10
Methyl methacrylate	20	U	20	1.4	ug/m3			02/03/20 21:22	10
1,2-Dichloropropane	9.2	U	9.2	1.5	ug/m3			02/03/20 21:22	10
1,4-Dioxane	180	U	180	3.0	ug/m3			02/03/20 21:22	10
Bromodichloromethane	13	U	13	2.3	ug/m3			02/03/20 21:22	10
cis-1,3-Dichloropropene	9.1	U	9.1	1.5	ug/m3			02/03/20 21:22	10
4-Methyl-2-pentanone (Methyl isobutyl ketone)	20	U	20	1.5	ug/m3			02/03/20 21:22	10
Toluene	**250**	**D**	7.5	4.1	ug/m3			02/03/20 21:22	10
trans-1,3-Dichloropropene	9.1	U	9.1	1.8	ug/m3			02/03/20 21:22	10
1,1,2-Trichloroethane	11	U	11	2.0	ug/m3			02/03/20 21:22	10
Tetrachloroethene	**8.0**	**J D**	14	2.2	ug/m3			02/03/20 21:22	10
Methyl Butyl Ketone (2-Hexanone)	20	U	20	2.0	ug/m3			02/03/20 21:22	10
Dibromochloromethane	17	U	17	3.1	ug/m3			02/03/20 21:22	10
1,2-Dibromoethane	15	U	15	3.8	ug/m3			02/03/20 21:22	10
Chlorobenzene	9.2	U	9.2	2.6	ug/m3			02/03/20 21:22	10
Ethylbenzene	**150**	**D**	8.7	2.7	ug/m3			02/03/20 21:22	10
m,p-Xylene	**940**	**D**	22	4.3	ug/m3			02/03/20 21:22	10
o-Xylene	**210**	**D**	8.7	2.1	ug/m3			02/03/20 21:22	10
Styrene	8.5	U	8.5	1.7	ug/m3			02/03/20 21:22	10
Bromoform	21	U	21	5.0	ug/m3			02/03/20 21:22	10
Cumene	**31**	**D**	9.8	1.7	ug/m3			02/03/20 21:22	10
1,1,2,2-Tetrachloroethane	14	U	14	2.9	ug/m3			02/03/20 21:22	10
n-Propylbenzene	**20**	**D**	9.8	1.9	ug/m3			02/03/20 21:22	10
4-Ethyltoluene	**23**	**D**	9.8	2.0	ug/m3			02/03/20 21:22	10
1,3,5-Trimethylbenzene	**28**	**D**	9.8	1.9	ug/m3			02/03/20 21:22	10
2-Chlorotoluene	10	U	10	2.2	ug/m3			02/03/20 21:22	10
tert-Butylbenzene	11	U	11	1.9	ug/m3			02/03/20 21:22	10
1,2,4-Trimethylbenzene	**25**	**D**	9.8	2.2	ug/m3			02/03/20 21:22	10
sec-Butylbenzene	11	U	11	1.9	ug/m3			02/03/20 21:22	10
4-Isopropyltoluene	11	U	11	2.1	ug/m3			02/03/20 21:22	10
1,3-Dichlorobenzene	12	U	12	6.6	ug/m3			02/03/20 21:22	10
1,4-Dichlorobenzene	12	U	12	7.2	ug/m3			02/03/20 21:22	10
Benzyl chloride	10	U	10	4.4	ug/m3			02/03/20 21:22	10
n-Butylbenzene	11	U	11	2.1	ug/m3			02/03/20 21:22	10
1,2-Dichlorobenzene	12	U	12	5.8	ug/m3			02/03/20 21:22	10
1,2,4-Trichlorobenzene	37	U	37	16	ug/m3			02/03/20 21:22	10
Hexachlorobutadiene	21	U	21	8.1	ug/m3			02/03/20 21:22	10
Naphthalene	26	U	26	8.9	ug/m3			02/03/20 21:22	10

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**210**	**D**	5.0	1.1	ppb v/v			02/03/20 21:22	10

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-07_20200124
Date Collected: 01/24/20 14:28
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-5
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodifluoromethane	5.0	U	5.0	1.2	ppb v/v			02/03/20 21:22	10
1,2-Dichlorotetrafluoroethane	2.0	U	2.0	0.35	ppb v/v			02/03/20 21:22	10
Chloromethane	5.0	U	5.0	1.1	ppb v/v			02/03/20 21:22	10
n-Butane	**4.1**	**J D**	5.0	1.1	ppb v/v			02/03/20 21:22	10
Vinyl chloride	0.78	U	0.78	0.44	ppb v/v			02/03/20 21:22	10
1,3-Butadiene	**1.3**	**J D**	2.0	0.57	ppb v/v			02/03/20 21:22	10
Bromomethane	2.0	U	2.0	0.51	ppb v/v			02/03/20 21:22	10
Chloroethane	5.0	U	5.0	0.54	ppb v/v			02/03/20 21:22	10
Bromoethene(Vinyl Bromide)	2.0	U	2.0	0.52	ppb v/v			02/03/20 21:22	10
Trichlorofluoromethane	**1.1**	**J D**	2.0	0.60	ppb v/v			02/03/20 21:22	10
1,1,2-Trichlorotrifluoroethane	2.0	U	2.0	0.38	ppb v/v			02/03/20 21:22	10
1,1-Dichloroethene	0.50	U	0.50	0.39	ppb v/v			02/03/20 21:22	10
Acetone	50	U	50	12	ppb v/v			02/03/20 21:22	10
Isopropyl alcohol	50	U	50	4.8	ppb v/v			02/03/20 21:22	10
Carbon disulfide	5.0	U	5.0	0.74	ppb v/v			02/03/20 21:22	10
3-Chloropropene	5.0	U	5.0	0.64	ppb v/v			02/03/20 21:22	10
Methylene Chloride	5.0	U	5.0	2.7	ppb v/v			02/03/20 21:22	10
tert-Butyl alcohol	50	U	50	0.38	ppb v/v			02/03/20 21:22	10
Methyl tert-butyl ether	2.0	U	2.0	0.33	ppb v/v			02/03/20 21:22	10
trans-1,2-Dichloroethene	2.0	U	2.0	0.42	ppb v/v			02/03/20 21:22	10
n-Hexane	**28**	**D**	2.0	2.0	ppb v/v			02/03/20 21:22	10
1,1-Dichloroethane	2.0	U	2.0	0.41	ppb v/v			02/03/20 21:22	10
Methyl Ethyl Ketone (2-Butanone)	**1.5**	**J D**	5.0	0.72	ppb v/v			02/03/20 21:22	10
cis-1,2-Dichloroethene	0.50	U	0.50	0.45	ppb v/v			02/03/20 21:22	10
Chloroform	**1.9**	**J D**	2.0	0.32	ppb v/v			02/03/20 21:22	10
Tetrahydrofuran	50	U	50	0.66	ppb v/v			02/03/20 21:22	10
1,1,1-Trichloroethane	2.0	U	2.0	0.36	ppb v/v			02/03/20 21:22	10
Cyclohexane	**15**	**D**	2.0	0.46	ppb v/v			02/03/20 21:22	10
Carbon tetrachloride	0.35	U	0.35	0.24	ppb v/v			02/03/20 21:22	10
2,2,4-Trimethylpentane	**7.2**	**D**	2.0	0.41	ppb v/v			02/03/20 21:22	10
Benzene	**2.6**	**D**	2.0	0.67	ppb v/v			02/03/20 21:22	10
1,2-Dichloroethane	2.0	U	2.0	0.32	ppb v/v			02/03/20 21:22	10
n-Heptane	**94**	**D**	2.0	0.56	ppb v/v			02/03/20 21:22	10
Trichloroethene	0.37	U	0.37	0.35	ppb v/v			02/03/20 21:22	10
Methyl methacrylate	5.0	U	5.0	0.33	ppb v/v			02/03/20 21:22	10
1,2-Dichloropropane	2.0	U	2.0	0.33	ppb v/v			02/03/20 21:22	10
1,4-Dioxane	50	U	50	0.84	ppb v/v			02/03/20 21:22	10
Bromodichloromethane	2.0	U	2.0	0.35	ppb v/v			02/03/20 21:22	10
cis-1,3-Dichloropropene	2.0	U	2.0	0.32	ppb v/v			02/03/20 21:22	10
4-Methyl-2-pentanone (Methyl isobutyl ketone)	5.0	U	5.0	0.36	ppb v/v			02/03/20 21:22	10
Toluene	**67**	**D**	2.0	1.1	ppb v/v			02/03/20 21:22	10
trans-1,3-Dichloropropene	2.0	U	2.0	0.39	ppb v/v			02/03/20 21:22	10
1,1,2-Trichloroethane	2.0	U	2.0	0.36	ppb v/v			02/03/20 21:22	10
Tetrachloroethene	**1.2**	**J D**	2.0	0.33	ppb v/v			02/03/20 21:22	10
Methyl Butyl Ketone (2-Hexanone)	5.0	U	5.0	0.48	ppb v/v			02/03/20 21:22	10
Dibromochloromethane	2.0	U	2.0	0.36	ppb v/v			02/03/20 21:22	10
1,2-Dibromoethane	2.0	U	2.0	0.49	ppb v/v			02/03/20 21:22	10
Chlorobenzene	2.0	U	2.0	0.56	ppb v/v			02/03/20 21:22	10

Client Sample ID: SV-07_20200124

Lab Sample ID: 200-52391-5

Date Collected: 01/24/20 14:28
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	**34**	**D**	2.0	0.63	ppb v/v			02/03/20 21:22	10
m,p-Xylene	**220**	**D**	5.0	1.0	ppb v/v			02/03/20 21:22	10
o-Xylene	**48**	**D**	2.0	0.48	ppb v/v			02/03/20 21:22	10
Styrene	2.0	U	2.0	0.40	ppb v/v			02/03/20 21:22	10
Bromoform	2.0	U	2.0	0.48	ppb v/v			02/03/20 21:22	10
Cumene	**6.4**	**D**	2.0	0.35	ppb v/v			02/03/20 21:22	10
1,1,2,2-Tetrachloroethane	2.0	U	2.0	0.42	ppb v/v			02/03/20 21:22	10
n-Propylbenzene	**4.1**	**D**	2.0	0.39	ppb v/v			02/03/20 21:22	10
4-Ethyltoluene	**4.8**	**D**	2.0	0.41	ppb v/v			02/03/20 21:22	10
1,3,5-Trimethylbenzene	**5.7**	**D**	2.0	0.39	ppb v/v			02/03/20 21:22	10
2-Chlorotoluene	2.0	U	2.0	0.42	ppb v/v			02/03/20 21:22	10
tert-Butylbenzene	2.0	U	2.0	0.35	ppb v/v			02/03/20 21:22	10
1,2,4-Trimethylbenzene	**5.2**	**D**	2.0	0.44	ppb v/v			02/03/20 21:22	10
sec-Butylbenzene	2.0	U	2.0	0.35	ppb v/v			02/03/20 21:22	10
4-Isopropyltoluene	2.0	U	2.0	0.39	ppb v/v			02/03/20 21:22	10
1,3-Dichlorobenzene	2.0	U	2.0	1.1	ppb v/v			02/03/20 21:22	10
1,4-Dichlorobenzene	2.0	U	2.0	1.2	ppb v/v			02/03/20 21:22	10
Benzyl chloride	2.0	U	2.0	0.85	ppb v/v			02/03/20 21:22	10
n-Butylbenzene	2.0	U	2.0	0.39	ppb v/v			02/03/20 21:22	10
1,2-Dichlorobenzene	2.0	U	2.0	0.97	ppb v/v			02/03/20 21:22	10
1,2,4-Trichlorobenzene	5.0	U	5.0	2.2	ppb v/v			02/03/20 21:22	10
Hexachlorobutadiene	2.0	U	2.0	0.76	ppb v/v			02/03/20 21:22	10
Naphthalene	5.0	U	5.0	1.7	ppb v/v			02/03/20 21:22	10

Client Sample ID: SV-08_20200124

Lab Sample ID: 200-52391-6

Date Collected: 01/24/20 14:00
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**2.6**		2.5	0.54	ug/m3			02/03/20 22:11	1
Chlorodifluoromethane	**1.5**	**J**	1.8	0.42	ug/m3			02/03/20 22:11	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			02/03/20 22:11	1
Chloromethane	**1.7**		1.0	0.23	ug/m3			02/03/20 22:11	1
n-Butane	**110**	**E**	1.2	0.26	ug/m3			02/03/20 22:11	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			02/03/20 22:11	1
1,3-Butadiene	**25**		0.44	0.13	ug/m3			02/03/20 22:11	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			02/03/20 22:11	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			02/03/20 22:11	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			02/03/20 22:11	1
Trichlorofluoromethane	**1.2**		1.1	0.34	ug/m3			02/03/20 22:11	1
1,1,2-Trichlorotrifluoroethane	**0.60**	**J**	1.5	0.29	ug/m3			02/03/20 22:11	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			02/03/20 22:11	1
Acetone	**19**		12	2.9	ug/m3			02/03/20 22:11	1
Isopropyl alcohol	12	U	12	1.2	ug/m3			02/03/20 22:11	1
Carbon disulfide	**4.1**		1.6	0.23	ug/m3			02/03/20 22:11	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			02/03/20 22:11	1
Methylene Chloride	**2.5**		1.7	0.94	ug/m3			02/03/20 22:11	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-08_20200124
Date Collected: 01/24/20 14:00
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butyl alcohol	**0.81**	**J**	15	0.12	ug/m3			02/03/20 22:11	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			02/03/20 22:11	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			02/03/20 22:11	1
n-Hexane	**29**		0.70	0.70	ug/m3			02/03/20 22:11	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			02/03/20 22:11	1
Methyl Ethyl Ketone (2-Butanone)	**60**		1.5	0.21	ug/m3			02/03/20 22:11	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			02/03/20 22:11	1
Chloroform	**0.99**		0.98	0.16	ug/m3			02/03/20 22:11	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			02/03/20 22:11	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 22:11	1
Cyclohexane	**6.9**		0.69	0.16	ug/m3			02/03/20 22:11	1
Carbon tetrachloride	**0.25**		0.22	0.15	ug/m3			02/03/20 22:11	1
2,2,4-Trimethylpentane	**19**		0.93	0.19	ug/m3			02/03/20 22:11	1
Benzene	**8.7**		0.64	0.21	ug/m3			02/03/20 22:11	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			02/03/20 22:11	1
n-Heptane	**24**		0.82	0.23	ug/m3			02/03/20 22:11	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			02/03/20 22:11	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			02/03/20 22:11	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			02/03/20 22:11	1
1,4-Dioxane	18	U	18	0.30	ug/m3			02/03/20 22:11	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			02/03/20 22:11	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			02/03/20 22:11	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			02/03/20 22:11	1
Toluene	**69**		0.75	0.41	ug/m3			02/03/20 22:11	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			02/03/20 22:11	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 22:11	1
Tetrachloroethene	**5.7**		1.4	0.22	ug/m3			02/03/20 22:11	1
Methyl Butyl Ketone (2-Hexanone)	**9.5**		2.0	0.20	ug/m3			02/03/20 22:11	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			02/03/20 22:11	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			02/03/20 22:11	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			02/03/20 22:11	1
Ethylbenzene	**8.2**		0.87	0.27	ug/m3			02/03/20 22:11	1
m,p-Xylene	**26**		2.2	0.43	ug/m3			02/03/20 22:11	1
o-Xylene	**7.2**		0.87	0.21	ug/m3			02/03/20 22:11	1
Styrene	0.85	U	0.85	0.17	ug/m3			02/03/20 22:11	1
Bromoform	2.1	U	2.1	0.50	ug/m3			02/03/20 22:11	1
Cumene	**0.68**	**J**	0.98	0.17	ug/m3			02/03/20 22:11	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			02/03/20 22:11	1
n-Propylbenzene	**1.2**		0.98	0.19	ug/m3			02/03/20 22:11	1
4-Ethyltoluene	**1.5**		0.98	0.20	ug/m3			02/03/20 22:11	1
1,3,5-Trimethylbenzene	**1.1**		0.98	0.19	ug/m3			02/03/20 22:11	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			02/03/20 22:11	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 22:11	1
1,2,4-Trimethylbenzene	**3.2**		0.98	0.22	ug/m3			02/03/20 22:11	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 22:11	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			02/03/20 22:11	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			02/03/20 22:11	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			02/03/20 22:11	1

Client Sample ID: SV-08_20200124
Date Collected: 01/24/20 14:00
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			02/03/20 22:11	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			02/03/20 22:11	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			02/03/20 22:11	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			02/03/20 22:11	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			02/03/20 22:11	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			02/03/20 22:11	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.52**		0.50	0.11	ppb v/v			02/03/20 22:11	1
Chlorodifluoromethane	**0.42**	**J**	0.50	0.12	ppb v/v			02/03/20 22:11	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 22:11	1
Chloromethane	**0.85**		0.50	0.11	ppb v/v			02/03/20 22:11	1
n-Butane	**45**	**E**	0.50	0.11	ppb v/v			02/03/20 22:11	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			02/03/20 22:11	1
1,3-Butadiene	**11**		0.20	0.057	ppb v/v			02/03/20 22:11	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			02/03/20 22:11	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			02/03/20 22:11	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			02/03/20 22:11	1
Trichlorofluoromethane	**0.22**		0.20	0.060	ppb v/v			02/03/20 22:11	1
1,1,2-Trichlorotrifluoroethane	**0.078**	**J**	0.20	0.038	ppb v/v			02/03/20 22:11	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			02/03/20 22:11	1
Acetone	**7.8**		5.0	1.2	ppb v/v			02/03/20 22:11	1
Isopropyl alcohol	5.0	U	5.0	0.48	ppb v/v			02/03/20 22:11	1
Carbon disulfide	**1.3**		0.50	0.074	ppb v/v			02/03/20 22:11	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			02/03/20 22:11	1
Methylene Chloride	**0.72**		0.50	0.27	ppb v/v			02/03/20 22:11	1
tert-Butyl alcohol	**0.27**	**J**	5.0	0.038	ppb v/v			02/03/20 22:11	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			02/03/20 22:11	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			02/03/20 22:11	1
n-Hexane	**8.1**		0.20	0.20	ppb v/v			02/03/20 22:11	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			02/03/20 22:11	1
Methyl Ethyl Ketone (2-Butanone)	**20**		0.50	0.072	ppb v/v			02/03/20 22:11	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			02/03/20 22:11	1
Chloroform	**0.20**		0.20	0.032	ppb v/v			02/03/20 22:11	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			02/03/20 22:11	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 22:11	1
Cyclohexane	**2.0**		0.20	0.046	ppb v/v			02/03/20 22:11	1
Carbon tetrachloride	**0.040**		0.035	0.024	ppb v/v			02/03/20 22:11	1
2,2,4-Trimethylpentane	**4.2**		0.20	0.041	ppb v/v			02/03/20 22:11	1
Benzene	**2.7**		0.20	0.067	ppb v/v			02/03/20 22:11	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			02/03/20 22:11	1
n-Heptane	**5.9**		0.20	0.056	ppb v/v			02/03/20 22:11	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			02/03/20 22:11	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			02/03/20 22:11	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			02/03/20 22:11	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			02/03/20 22:11	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 22:11	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			02/03/20 22:11	1

Client Sample ID: SV-08_20200124
Date Collected: 01/24/20 14:00
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			02/03/20 22:11	1
Toluene	**18**		0.20	0.11	ppb v/v			02/03/20 22:11	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			02/03/20 22:11	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 22:11	1
Tetrachloroethene	**0.85**		0.20	0.033	ppb v/v			02/03/20 22:11	1
Methyl Butyl Ketone (2-Hexanone)	**2.3**		0.50	0.048	ppb v/v			02/03/20 22:11	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 22:11	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			02/03/20 22:11	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			02/03/20 22:11	1
Ethylbenzene	**1.9**		0.20	0.063	ppb v/v			02/03/20 22:11	1
m,p-Xylene	**6.0**		0.50	0.10	ppb v/v			02/03/20 22:11	1
o-Xylene	**1.7**		0.20	0.048	ppb v/v			02/03/20 22:11	1
Styrene	0.20	U	0.20	0.040	ppb v/v			02/03/20 22:11	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			02/03/20 22:11	1
Cumene	**0.14**	**J**	0.20	0.035	ppb v/v			02/03/20 22:11	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			02/03/20 22:11	1
n-Propylbenzene	**0.25**		0.20	0.039	ppb v/v			02/03/20 22:11	1
4-Ethyltoluene	**0.31**		0.20	0.041	ppb v/v			02/03/20 22:11	1
1,3,5-Trimethylbenzene	**0.22**		0.20	0.039	ppb v/v			02/03/20 22:11	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			02/03/20 22:11	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 22:11	1
1,2,4-Trimethylbenzene	**0.64**		0.20	0.044	ppb v/v			02/03/20 22:11	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 22:11	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			02/03/20 22:11	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			02/03/20 22:11	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			02/03/20 22:11	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			02/03/20 22:11	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 22:11	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			02/03/20 22:11	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			02/03/20 22:11	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			02/03/20 22:11	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			02/03/20 22:11	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**3.1**	**J D**	7.5	1.6	ug/m3			02/03/20 23:01	3.03
Chlorodifluoromethane	**1.6**	**J D**	5.4	1.3	ug/m3			02/03/20 23:01	3.03
1,2-Dichlorotetrafluoroethane	4.2	U	4.2	0.74	ug/m3			02/03/20 23:01	3.03
Chloromethane	**1.7**	**J D**	3.1	0.69	ug/m3			02/03/20 23:01	3.03
n-Butane	**110**	**D**	3.6	0.79	ug/m3			02/03/20 23:01	3.03
Vinyl chloride	0.61	U	0.61	0.34	ug/m3			02/03/20 23:01	3.03
1,3-Butadiene	**23**	**D**	1.3	0.38	ug/m3			02/03/20 23:01	3.03
Bromomethane	2.4	U	2.4	0.60	ug/m3			02/03/20 23:01	3.03
Chloroethane	4.0	U	4.0	0.43	ug/m3			02/03/20 23:01	3.03
Bromoethene(Vinyl Bromide)	2.7	U	2.7	0.69	ug/m3			02/03/20 23:01	3.03
Trichlorofluoromethane	**1.2**	**J D**	3.4	1.0	ug/m3			02/03/20 23:01	3.03
1,1,2-Trichlorotrifluoroethane	4.6	U	4.6	0.88	ug/m3			02/03/20 23:01	3.03
1,1-Dichloroethene	0.61	U	0.61	0.47	ug/m3			02/03/20 23:01	3.03

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-08_20200124
Date Collected: 01/24/20 14:00
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**17**	**J D**	36	8.6	ug/m3			02/03/20 23:01	3.03
Isopropyl alcohol	37	U	37	3.6	ug/m3			02/03/20 23:01	3.03
Carbon disulfide	**3.9**	**J D**	4.7	0.70	ug/m3			02/03/20 23:01	3.03
3-Chloropropene	4.7	U	4.7	0.61	ug/m3			02/03/20 23:01	3.03
Methylene Chloride	5.3	U	5.3	2.8	ug/m3			02/03/20 23:01	3.03
tert-Butyl alcohol	**0.71**	**J D**	46	0.35	ug/m3			02/03/20 23:01	3.03
Methyl tert-butyl ether	2.2	U	2.2	0.36	ug/m3			02/03/20 23:01	3.03
trans-1,2-Dichloroethene	2.4	U	2.4	0.50	ug/m3			02/03/20 23:01	3.03
n-Hexane	**26**	**D**	2.1	2.1	ug/m3			02/03/20 23:01	3.03
1,1-Dichloroethane	2.5	U	2.5	0.50	ug/m3			02/03/20 23:01	3.03
Methyl Ethyl Ketone (2-Butanone)	**54**	**D**	4.5	0.64	ug/m3			02/03/20 23:01	3.03
cis-1,2-Dichloroethene	0.61	U	0.61	0.54	ug/m3			02/03/20 23:01	3.03
Chloroform	**0.62**	**J D**	3.0	0.47	ug/m3			02/03/20 23:01	3.03
Tetrahydrofuran	45	U	45	0.59	ug/m3			02/03/20 23:01	3.03
1,1,1-Trichloroethane	3.3	U	3.3	0.60	ug/m3			02/03/20 23:01	3.03
Cyclohexane	**6.3**	**D**	2.1	0.48	ug/m3			02/03/20 23:01	3.03
Carbon tetrachloride	0.67	U	0.67	0.46	ug/m3			02/03/20 23:01	3.03
2,2,4-Trimethylpentane	**17**	**D**	2.8	0.58	ug/m3			02/03/20 23:01	3.03
Benzene	**7.9**	**D**	1.9	0.65	ug/m3			02/03/20 23:01	3.03
1,2-Dichloroethane	2.5	U	2.5	0.39	ug/m3			02/03/20 23:01	3.03
n-Heptane	**22**	**D**	2.5	0.70	ug/m3			02/03/20 23:01	3.03
Trichloroethene	0.61	U	0.61	0.57	ug/m3			02/03/20 23:01	3.03
Methyl methacrylate	6.2	U	6.2	0.41	ug/m3			02/03/20 23:01	3.03
1,2-Dichloropropane	2.8	U	2.8	0.46	ug/m3			02/03/20 23:01	3.03
1,4-Dioxane	55	U	55	0.92	ug/m3			02/03/20 23:01	3.03
Bromodichloromethane	4.1	U	4.1	0.71	ug/m3			02/03/20 23:01	3.03
cis-1,3-Dichloropropene	2.8	U	2.8	0.44	ug/m3			02/03/20 23:01	3.03
4-Methyl-2-pentanone (Methyl isobutyl ketone)	6.2	U	6.2	0.45	ug/m3			02/03/20 23:01	3.03
Toluene	**68**	**D**	2.3	1.3	ug/m3			02/03/20 23:01	3.03
trans-1,3-Dichloropropene	2.8	U	2.8	0.54	ug/m3			02/03/20 23:01	3.03
1,1,2-Trichloroethane	3.3	U	3.3	0.60	ug/m3			02/03/20 23:01	3.03
Tetrachloroethene	**5.6**	**D**	4.1	0.68	ug/m3			02/03/20 23:01	3.03
Methyl Butyl Ketone (2-Hexanone)	**7.3**	**D**	6.2	0.60	ug/m3			02/03/20 23:01	3.03
Dibromochloromethane	5.2	U	5.2	0.93	ug/m3			02/03/20 23:01	3.03
1,2-Dibromoethane	4.7	U	4.7	1.1	ug/m3			02/03/20 23:01	3.03
Chlorobenzene	2.8	U	2.8	0.78	ug/m3			02/03/20 23:01	3.03
Ethylbenzene	**7.1**	**D**	2.6	0.83	ug/m3			02/03/20 23:01	3.03
m,p-Xylene	**23**	**D**	6.6	1.3	ug/m3			02/03/20 23:01	3.03
o-Xylene	**5.6**	**D**	2.6	0.63	ug/m3			02/03/20 23:01	3.03
Styrene	2.6	U	2.6	0.52	ug/m3			02/03/20 23:01	3.03
Bromoform	6.3	U	6.3	1.5	ug/m3			02/03/20 23:01	3.03
Cumene	**0.52**	**J D**	3.0	0.52	ug/m3			02/03/20 23:01	3.03
1,1,2,2-Tetrachloroethane	4.2	U	4.2	0.87	ug/m3			02/03/20 23:01	3.03
n-Propylbenzene	**0.93**	**J D**	3.0	0.58	ug/m3			02/03/20 23:01	3.03
4-Ethyltoluene	**1.3**	**J D**	3.0	0.61	ug/m3			02/03/20 23:01	3.03
1,3,5-Trimethylbenzene	**0.86**	**J D**	3.0	0.58	ug/m3			02/03/20 23:01	3.03
2-Chlorotoluene	3.1	U	3.1	0.66	ug/m3			02/03/20 23:01	3.03
tert-Butylbenzene	3.3	U	3.3	0.58	ug/m3			02/03/20 23:01	3.03

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-08_20200124
Date Collected: 01/24/20 14:00
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-6
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	**2.3**	**J D**	3.0	0.66	ug/m3			02/03/20 23:01	3.03
sec-Butylbenzene	3.3	U	3.3	0.58	ug/m3			02/03/20 23:01	3.03
4-Isopropyltoluene	3.3	U	3.3	0.65	ug/m3			02/03/20 23:01	3.03
1,3-Dichlorobenzene	3.6	U	3.6	2.0	ug/m3			02/03/20 23:01	3.03
1,4-Dichlorobenzene	3.6	U	3.6	2.2	ug/m3			02/03/20 23:01	3.03
Benzyl chloride	3.1	U	3.1	1.3	ug/m3			02/03/20 23:01	3.03
n-Butylbenzene	3.3	U	3.3	0.65	ug/m3			02/03/20 23:01	3.03
1,2-Dichlorobenzene	3.6	U	3.6	1.8	ug/m3			02/03/20 23:01	3.03
1,2,4-Trichlorobenzene	11	U	11	4.9	ug/m3			02/03/20 23:01	3.03
Hexachlorobutadiene	6.5	U	6.5	2.5	ug/m3			02/03/20 23:01	3.03
Naphthalene	7.9	U	7.9	2.7	ug/m3			02/03/20 23:01	3.03

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**0.62**	**J D**	1.5	0.33	ppb v/v			02/03/20 23:01	3.03
Chlorodifluoromethane	**0.45**	**J D**	1.5	0.36	ppb v/v			02/03/20 23:01	3.03
1,2-Dichlorotetrafluoroethane	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
Chloromethane	**0.85**	**J D**	1.5	0.33	ppb v/v			02/03/20 23:01	3.03
n-Butane	**45**	**D**	1.5	0.33	ppb v/v			02/03/20 23:01	3.03
Vinyl chloride	0.24	U	0.24	0.13	ppb v/v			02/03/20 23:01	3.03
1,3-Butadiene	**10**	**D**	0.61	0.17	ppb v/v			02/03/20 23:01	3.03
Bromomethane	0.61	U	0.61	0.15	ppb v/v			02/03/20 23:01	3.03
Chloroethane	1.5	U	1.5	0.16	ppb v/v			02/03/20 23:01	3.03
Bromoethene(Vinyl Bromide)	0.61	U	0.61	0.16	ppb v/v			02/03/20 23:01	3.03
Trichlorofluoromethane	**0.22**	**J D**	0.61	0.18	ppb v/v			02/03/20 23:01	3.03
1,1,2-Trichlorotrifluoroethane	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
1,1-Dichloroethene	0.15	U	0.15	0.12	ppb v/v			02/03/20 23:01	3.03
Acetone	**7.3**	**J D**	15	3.6	ppb v/v			02/03/20 23:01	3.03
Isopropyl alcohol	15	U	15	1.5	ppb v/v			02/03/20 23:01	3.03
Carbon disulfide	**1.3**	**J D**	1.5	0.22	ppb v/v			02/03/20 23:01	3.03
3-Chloropropene	1.5	U	1.5	0.19	ppb v/v			02/03/20 23:01	3.03
Methylene Chloride	1.5	U	1.5	0.82	ppb v/v			02/03/20 23:01	3.03
tert-Butyl alcohol	**0.23**	**J D**	15	0.12	ppb v/v			02/03/20 23:01	3.03
Methyl tert-butyl ether	0.61	U	0.61	0.10	ppb v/v			02/03/20 23:01	3.03
trans-1,2-Dichloroethene	0.61	U	0.61	0.13	ppb v/v			02/03/20 23:01	3.03
n-Hexane	**7.5**	**D**	0.61	0.61	ppb v/v			02/03/20 23:01	3.03
1,1-Dichloroethane	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
Methyl Ethyl Ketone (2-Butanone)	**18**	**D**	1.5	0.22	ppb v/v			02/03/20 23:01	3.03
cis-1,2-Dichloroethene	0.15	U	0.15	0.14	ppb v/v			02/03/20 23:01	3.03
Chloroform	**0.13**	**J D**	0.61	0.097	ppb v/v			02/03/20 23:01	3.03
Tetrahydrofuran	15	U	15	0.20	ppb v/v			02/03/20 23:01	3.03
1,1,1-Trichloroethane	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
Cyclohexane	**1.8**	**D**	0.61	0.14	ppb v/v			02/03/20 23:01	3.03
Carbon tetrachloride	0.11	U	0.11	0.073	ppb v/v			02/03/20 23:01	3.03
2,2,4-Trimethylpentane	**3.6**	**D**	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
Benzene	**2.5**	**D**	0.61	0.20	ppb v/v			02/03/20 23:01	3.03
1,2-Dichloroethane	0.61	U	0.61	0.097	ppb v/v			02/03/20 23:01	3.03
n-Heptane	**5.3**	**D**	0.61	0.17	ppb v/v			02/03/20 23:01	3.03
Trichloroethene	0.11	U	0.11	0.11	ppb v/v			02/03/20 23:01	3.03
Methyl methacrylate	1.5	U	1.5	0.10	ppb v/v			02/03/20 23:01	3.03

Client Sample ID: SV-08_20200124

Lab Sample ID: 200-52391-6

Date Collected: 01/24/20 14:00
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.61	U	0.61	0.10	ppb v/v			02/03/20 23:01	3.03
1,4-Dioxane	15	U	15	0.25	ppb v/v			02/03/20 23:01	3.03
Bromodichloromethane	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
cis-1,3-Dichloropropene	0.61	U	0.61	0.097	ppb v/v			02/03/20 23:01	3.03
4-Methyl-2-pentanone (Methyl isobutyl ketone)	1.5	U	1.5	0.11	ppb v/v			02/03/20 23:01	3.03
Toluene	**18**	**D**	0.61	0.33	ppb v/v			02/03/20 23:01	3.03
trans-1,3-Dichloropropene	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
1,1,2-Trichloroethane	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
Tetrachloroethene	**0.83**	**D**	0.61	0.10	ppb v/v			02/03/20 23:01	3.03
Methyl Butyl Ketone (2-Hexanone)	**1.8**	**D**	1.5	0.15	ppb v/v			02/03/20 23:01	3.03
Dibromochloromethane	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
1,2-Dibromoethane	0.61	U	0.61	0.15	ppb v/v			02/03/20 23:01	3.03
Chlorobenzene	0.61	U	0.61	0.17	ppb v/v			02/03/20 23:01	3.03
Ethylbenzene	**1.6**	**D**	0.61	0.19	ppb v/v			02/03/20 23:01	3.03
m,p-Xylene	**5.3**	**D**	1.5	0.30	ppb v/v			02/03/20 23:01	3.03
o-Xylene	**1.3**	**D**	0.61	0.15	ppb v/v			02/03/20 23:01	3.03
Styrene	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
Bromoform	0.61	U	0.61	0.15	ppb v/v			02/03/20 23:01	3.03
Cumene	**0.10**	**J D**	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
1,1,2,2-Tetrachloroethane	0.61	U	0.61	0.13	ppb v/v			02/03/20 23:01	3.03
n-Propylbenzene	**0.19**	**J D**	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
4-Ethyltoluene	**0.26**	**J D**	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
1,3,5-Trimethylbenzene	**0.18**	**J D**	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
2-Chlorotoluene	0.61	U	0.61	0.13	ppb v/v			02/03/20 23:01	3.03
tert-Butylbenzene	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
1,2,4-Trimethylbenzene	**0.46**	**J D**	0.61	0.13	ppb v/v			02/03/20 23:01	3.03
sec-Butylbenzene	0.61	U	0.61	0.11	ppb v/v			02/03/20 23:01	3.03
4-Isopropyltoluene	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
1,3-Dichlorobenzene	0.61	U	0.61	0.33	ppb v/v			02/03/20 23:01	3.03
1,4-Dichlorobenzene	0.61	U	0.61	0.36	ppb v/v			02/03/20 23:01	3.03
Benzyl chloride	0.61	U	0.61	0.26	ppb v/v			02/03/20 23:01	3.03
n-Butylbenzene	0.61	U	0.61	0.12	ppb v/v			02/03/20 23:01	3.03
1,2-Dichlorobenzene	0.61	U	0.61	0.29	ppb v/v			02/03/20 23:01	3.03
1,2,4-Trichlorobenzene	1.5	U	1.5	0.67	ppb v/v			02/03/20 23:01	3.03
Hexachlorobutadiene	0.61	U	0.61	0.23	ppb v/v			02/03/20 23:01	3.03
Naphthalene	1.5	U	1.5	0.52	ppb v/v			02/03/20 23:01	3.03

Client Sample ID: SV-09_20200124

Lab Sample ID: 200-52391-7

Date Collected: 01/24/20 14:30
Matrix: Air
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**140**		2.5	0.54	ug/m3			02/03/20 23:51	1
Chlorodifluoromethane	**8.0**		1.8	0.42	ug/m3			02/03/20 23:51	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			02/03/20 23:51	1
Chloromethane	**0.97**	**J**	1.0	0.23	ug/m3			02/03/20 23:51	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Client Sample ID: SV-09_20200124
Date Collected: 01/24/20 14:30
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	**8.8**		1.2	0.26	ug/m3			02/03/20 23:51	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			02/03/20 23:51	1
1,3-Butadiene	**1.9**		0.44	0.13	ug/m3			02/03/20 23:51	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			02/03/20 23:51	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			02/03/20 23:51	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			02/03/20 23:51	1
Trichlorofluoromethane	**3.1**		1.1	0.34	ug/m3			02/03/20 23:51	1
1,1,2-Trichlorotrifluoroethane	**0.52**	**J**	1.5	0.29	ug/m3			02/03/20 23:51	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			02/03/20 23:51	1
Acetone	**22**		12	2.9	ug/m3			02/03/20 23:51	1
Isopropyl alcohol	**1.6**	**J**	12	1.2	ug/m3			02/03/20 23:51	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			02/03/20 23:51	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			02/03/20 23:51	1
Methylene Chloride	**2.4**		1.7	0.94	ug/m3			02/03/20 23:51	1
tert-Butyl alcohol	**0.62**	**J**	15	0.12	ug/m3			02/03/20 23:51	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			02/03/20 23:51	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			02/03/20 23:51	1
n-Hexane	**2.5**		0.70	0.70	ug/m3			02/03/20 23:51	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			02/03/20 23:51	1
Methyl Ethyl Ketone (2-Butanone)	**4.9**		1.5	0.21	ug/m3			02/03/20 23:51	1
cis-1,2-Dichloroethene	**0.25**		0.20	0.18	ug/m3			02/03/20 23:51	1
Chloroform	**7.5**		0.98	0.16	ug/m3			02/03/20 23:51	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			02/03/20 23:51	1
1,1,1-Trichloroethane	**0.66**	**J**	1.1	0.20	ug/m3			02/03/20 23:51	1
Cyclohexane	**0.53**	**J**	0.69	0.16	ug/m3			02/03/20 23:51	1
Carbon tetrachloride	**0.76**		0.22	0.15	ug/m3			02/03/20 23:51	1
2,2,4-Trimethylpentane	**0.61**	**J**	0.93	0.19	ug/m3			02/03/20 23:51	1
Benzene	**1.5**		0.64	0.21	ug/m3			02/03/20 23:51	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			02/03/20 23:51	1
n-Heptane	**3.4**		0.82	0.23	ug/m3			02/03/20 23:51	1
Trichloroethene	**5.6**		0.20	0.19	ug/m3			02/03/20 23:51	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			02/03/20 23:51	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			02/03/20 23:51	1
1,4-Dioxane	18	U	18	0.30	ug/m3			02/03/20 23:51	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			02/03/20 23:51	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			02/03/20 23:51	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			02/03/20 23:51	1
Toluene	**8.8**		0.75	0.41	ug/m3			02/03/20 23:51	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			02/03/20 23:51	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 23:51	1
Tetrachloroethene	**94**		1.4	0.22	ug/m3			02/03/20 23:51	1
Methyl Butyl Ketone (2-Hexanone)	**0.40**	**J**	2.0	0.20	ug/m3			02/03/20 23:51	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			02/03/20 23:51	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			02/03/20 23:51	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			02/03/20 23:51	1
Ethylbenzene	**1.3**		0.87	0.27	ug/m3			02/03/20 23:51	1
m,p-Xylene	**4.7**		2.2	0.43	ug/m3			02/03/20 23:51	1
o-Xylene	**1.2**		0.87	0.21	ug/m3			02/03/20 23:51	1

Client Sample ID: SV-09_20200124
Date Collected: 01/24/20 14:30
Date Received: 01/28/20 10:30
Sample Container: Summa Canister 6L

Lab Sample ID: 200-52391-7
Matrix: Air

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.85	U	0.85	0.17	ug/m3			02/03/20 23:51	1
Bromoform	2.1	U	2.1	0.50	ug/m3			02/03/20 23:51	1
Cumene	0.98	U	0.98	0.17	ug/m3			02/03/20 23:51	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			02/03/20 23:51	1
n-Propylbenzene	**0.33**	**J**	0.98	0.19	ug/m3			02/03/20 23:51	1
4-Ethyltoluene	**0.45**	**J**	0.98	0.20	ug/m3			02/03/20 23:51	1
1,3,5-Trimethylbenzene	**0.37**	**J**	0.98	0.19	ug/m3			02/03/20 23:51	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			02/03/20 23:51	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 23:51	1
1,2,4-Trimethylbenzene	**0.93**	**J**	0.98	0.22	ug/m3			02/03/20 23:51	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 23:51	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			02/03/20 23:51	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			02/03/20 23:51	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			02/03/20 23:51	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			02/03/20 23:51	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			02/03/20 23:51	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			02/03/20 23:51	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			02/03/20 23:51	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			02/03/20 23:51	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			02/03/20 23:51	1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	**27**		0.50	0.11	ppb v/v			02/03/20 23:51	1
Chlorodifluoromethane	**2.3**		0.50	0.12	ppb v/v			02/03/20 23:51	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 23:51	1
Chloromethane	**0.47**	**J**	0.50	0.11	ppb v/v			02/03/20 23:51	1
n-Butane	**3.7**		0.50	0.11	ppb v/v			02/03/20 23:51	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			02/03/20 23:51	1
1,3-Butadiene	**0.84**		0.20	0.057	ppb v/v			02/03/20 23:51	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			02/03/20 23:51	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			02/03/20 23:51	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			02/03/20 23:51	1
Trichlorofluoromethane	**0.55**		0.20	0.060	ppb v/v			02/03/20 23:51	1
1,1,2-Trichlorotrifluoroethane	**0.068**	**J**	0.20	0.038	ppb v/v			02/03/20 23:51	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			02/03/20 23:51	1
Acetone	**9.4**		5.0	1.2	ppb v/v			02/03/20 23:51	1
Isopropyl alcohol	**0.65**	**J**	5.0	0.48	ppb v/v			02/03/20 23:51	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			02/03/20 23:51	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			02/03/20 23:51	1
Methylene Chloride	**0.70**		0.50	0.27	ppb v/v			02/03/20 23:51	1
tert-Butyl alcohol	**0.20**	**J**	5.0	0.038	ppb v/v			02/03/20 23:51	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			02/03/20 23:51	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			02/03/20 23:51	1
n-Hexane	**0.70**		0.20	0.20	ppb v/v			02/03/20 23:51	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			02/03/20 23:51	1
Methyl Ethyl Ketone (2-Butanone)	**1.7**		0.50	0.072	ppb v/v			02/03/20 23:51	1
cis-1,2-Dichloroethene	**0.064**		0.050	0.045	ppb v/v			02/03/20 23:51	1
Chloroform	**1.5**		0.20	0.032	ppb v/v			02/03/20 23:51	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			02/03/20 23:51	1

Client Sample ID: SV-09_20200124

Lab Sample ID: 200-52391-7

Date Collected: 01/24/20 14:30

Matrix: Air

Date Received: 01/28/20 10:30

Sample Container: Summa Canister 6L

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	**0.12**	**J**	0.20	0.036	ppb v/v			02/03/20 23:51	1
Cyclohexane	**0.15**	**J**	0.20	0.046	ppb v/v			02/03/20 23:51	1
Carbon tetrachloride	**0.12**		0.035	0.024	ppb v/v			02/03/20 23:51	1
2,2,4-Trimethylpentane	**0.13**	**J**	0.20	0.041	ppb v/v			02/03/20 23:51	1
Benzene	**0.48**		0.20	0.067	ppb v/v			02/03/20 23:51	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			02/03/20 23:51	1
n-Heptane	**0.84**		0.20	0.056	ppb v/v			02/03/20 23:51	1
Trichloroethene	**1.1**		0.037	0.035	ppb v/v			02/03/20 23:51	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			02/03/20 23:51	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			02/03/20 23:51	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			02/03/20 23:51	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 23:51	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			02/03/20 23:51	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			02/03/20 23:51	1
Toluene	**2.3**		0.20	0.11	ppb v/v			02/03/20 23:51	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			02/03/20 23:51	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 23:51	1
Tetrachloroethene	**14**		0.20	0.033	ppb v/v			02/03/20 23:51	1
Methyl Butyl Ketone (2-Hexanone)	**0.098**	**J**	0.50	0.048	ppb v/v			02/03/20 23:51	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 23:51	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			02/03/20 23:51	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			02/03/20 23:51	1
Ethylbenzene	**0.31**		0.20	0.063	ppb v/v			02/03/20 23:51	1
m,p-Xylene	**1.1**		0.50	0.10	ppb v/v			02/03/20 23:51	1
o-Xylene	**0.27**		0.20	0.048	ppb v/v			02/03/20 23:51	1
Styrene	0.20	U	0.20	0.040	ppb v/v			02/03/20 23:51	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			02/03/20 23:51	1
Cumene	0.20	U	0.20	0.035	ppb v/v			02/03/20 23:51	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			02/03/20 23:51	1
n-Propylbenzene	**0.067**	**J**	0.20	0.039	ppb v/v			02/03/20 23:51	1
4-Ethyltoluene	**0.091**	**J**	0.20	0.041	ppb v/v			02/03/20 23:51	1
1,3,5-Trimethylbenzene	**0.075**	**J**	0.20	0.039	ppb v/v			02/03/20 23:51	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			02/03/20 23:51	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 23:51	1
1,2,4-Trimethylbenzene	**0.19**	**J**	0.20	0.044	ppb v/v			02/03/20 23:51	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 23:51	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			02/03/20 23:51	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			02/03/20 23:51	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			02/03/20 23:51	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			02/03/20 23:51	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 23:51	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			02/03/20 23:51	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			02/03/20 23:51	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			02/03/20 23:51	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			02/03/20 23:51	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Method: TO-15 - Volatile Organic Compounds in Ambient Air

Lab Sample ID: MB 200-151696/5
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			01/23/20 11:33	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/23/20 11:33	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/23/20 11:33	1
Chloromethane	1.0	U	1.0	0.23	ug/m3			01/23/20 11:33	1
n-Butane	1.2	U	1.2	0.26	ug/m3			01/23/20 11:33	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/23/20 11:33	1
1,3-Butadiene	0.44	U	0.44	0.13	ug/m3			01/23/20 11:33	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/23/20 11:33	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/23/20 11:33	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/23/20 11:33	1
Trichlorofluoromethane	1.1	U	1.1	0.34	ug/m3			01/23/20 11:33	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.29	ug/m3			01/23/20 11:33	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/23/20 11:33	1
Acetone	12	U	12	2.9	ug/m3			01/23/20 11:33	1
Isopropyl alcohol	12	U	12	1.2	ug/m3			01/23/20 11:33	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			01/23/20 11:33	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/23/20 11:33	1
Methylene Chloride	1.7	U	1.7	0.94	ug/m3			01/23/20 11:33	1
tert-Butyl alcohol	15	U	15	0.12	ug/m3			01/23/20 11:33	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/23/20 11:33	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/23/20 11:33	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			01/23/20 11:33	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/23/20 11:33	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.21	ug/m3			01/23/20 11:33	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/23/20 11:33	1
Chloroform	0.98	U	0.98	0.16	ug/m3			01/23/20 11:33	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			01/23/20 11:33	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 11:33	1
Cyclohexane	0.69	U	0.69	0.16	ug/m3			01/23/20 11:33	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			01/23/20 11:33	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.19	ug/m3			01/23/20 11:33	1
Benzene	0.64	U	0.64	0.21	ug/m3			01/23/20 11:33	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/23/20 11:33	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/23/20 11:33	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			01/23/20 11:33	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/23/20 11:33	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/23/20 11:33	1
1,4-Dioxane	0.386	J	18	0.30	ug/m3			01/23/20 11:33	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/23/20 11:33	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/23/20 11:33	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/23/20 11:33	1
Toluene	0.75	U	0.75	0.41	ug/m3			01/23/20 11:33	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/23/20 11:33	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/23/20 11:33	1
Tetrachloroethene	1.4	U	1.4	0.22	ug/m3			01/23/20 11:33	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			01/23/20 11:33	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/23/20 11:33	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/23/20 11:33	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151696/5
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/23/20 11:33	1
Ethylbenzene	0.87	U	0.87	0.27	ug/m3			01/23/20 11:33	1
m,p-Xylene	2.2	U	2.2	0.43	ug/m3			01/23/20 11:33	1
o-Xylene	0.87	U	0.87	0.21	ug/m3			01/23/20 11:33	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/23/20 11:33	1
Bromoform	2.1	U	2.1	0.50	ug/m3			01/23/20 11:33	1
Cumene	0.98	U	0.98	0.17	ug/m3			01/23/20 11:33	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			01/23/20 11:33	1
n-Propylbenzene	0.98	U	0.98	0.19	ug/m3			01/23/20 11:33	1
4-Ethyltoluene	0.98	U	0.98	0.20	ug/m3			01/23/20 11:33	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.19	ug/m3			01/23/20 11:33	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			01/23/20 11:33	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/23/20 11:33	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.22	ug/m3			01/23/20 11:33	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/23/20 11:33	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			01/23/20 11:33	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/23/20 11:33	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/23/20 11:33	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/23/20 11:33	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/23/20 11:33	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/23/20 11:33	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/23/20 11:33	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/23/20 11:33	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/23/20 11:33	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/23/20 11:33	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/23/20 11:33	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 11:33	1
Chloromethane	0.50	U	0.50	0.11	ppb v/v			01/23/20 11:33	1
n-Butane	0.50	U	0.50	0.11	ppb v/v			01/23/20 11:33	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/23/20 11:33	1
1,3-Butadiene	0.20	U	0.20	0.057	ppb v/v			01/23/20 11:33	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/23/20 11:33	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/23/20 11:33	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/23/20 11:33	1
Trichlorofluoromethane	0.20	U	0.20	0.060	ppb v/v			01/23/20 11:33	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.038	ppb v/v			01/23/20 11:33	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/23/20 11:33	1
Acetone	5.0	U	5.0	1.2	ppb v/v			01/23/20 11:33	1
Isopropyl alcohol	5.0	U	5.0	0.48	ppb v/v			01/23/20 11:33	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			01/23/20 11:33	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/23/20 11:33	1
Methylene Chloride	0.50	U	0.50	0.27	ppb v/v			01/23/20 11:33	1
tert-Butyl alcohol	5.0	U	5.0	0.038	ppb v/v			01/23/20 11:33	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/23/20 11:33	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/23/20 11:33	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			01/23/20 11:33	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/23/20 11:33	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151696/5
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.072	ppb v/v			01/23/20 11:33	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/23/20 11:33	1
Chloroform	0.20	U	0.20	0.032	ppb v/v			01/23/20 11:33	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			01/23/20 11:33	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 11:33	1
Cyclohexane	0.20	U	0.20	0.046	ppb v/v			01/23/20 11:33	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			01/23/20 11:33	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.041	ppb v/v			01/23/20 11:33	1
Benzene	0.20	U	0.20	0.067	ppb v/v			01/23/20 11:33	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/23/20 11:33	1
n-Heptane	0.20	U	0.20	0.056	ppb v/v			01/23/20 11:33	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			01/23/20 11:33	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/23/20 11:33	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/23/20 11:33	1
1,4-Dioxane	0.107	J	5.0	0.084	ppb v/v			01/23/20 11:33	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/23/20 11:33	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/23/20 11:33	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/23/20 11:33	1
Toluene	0.20	U	0.20	0.11	ppb v/v			01/23/20 11:33	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/23/20 11:33	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 11:33	1
Tetrachloroethene	0.20	U	0.20	0.033	ppb v/v			01/23/20 11:33	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			01/23/20 11:33	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/23/20 11:33	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/23/20 11:33	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/23/20 11:33	1
Ethylbenzene	0.20	U	0.20	0.063	ppb v/v			01/23/20 11:33	1
m,p-Xylene	0.50	U	0.50	0.10	ppb v/v			01/23/20 11:33	1
o-Xylene	0.20	U	0.20	0.048	ppb v/v			01/23/20 11:33	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/23/20 11:33	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			01/23/20 11:33	1
Cumene	0.20	U	0.20	0.035	ppb v/v			01/23/20 11:33	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			01/23/20 11:33	1
n-Propylbenzene	0.20	U	0.20	0.039	ppb v/v			01/23/20 11:33	1
4-Ethyltoluene	0.20	U	0.20	0.041	ppb v/v			01/23/20 11:33	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.039	ppb v/v			01/23/20 11:33	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			01/23/20 11:33	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/23/20 11:33	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.044	ppb v/v			01/23/20 11:33	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/23/20 11:33	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			01/23/20 11:33	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/23/20 11:33	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/23/20 11:33	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/23/20 11:33	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/23/20 11:33	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/23/20 11:33	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/23/20 11:33	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/23/20 11:33	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151696/5
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/23/20 11:33	1

Lab Sample ID: LCS 200-151696/4
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52.3	40.0		ug/m3		76	61 - 142
Chlorodifluoromethane	37.4	29.7		ug/m3		79	60 - 147
1,2-Dichlorotetrafluoroethane	74.0	57.0		ug/m3		77	71 - 141
Chloromethane	20.5	16.4		ug/m3		80	56 - 141
n-Butane	24.5	22.9		ug/m3		94	53 - 151
Vinyl chloride	25.5	25.0		ug/m3		98	61 - 135
1,3-Butadiene	21.5	21.5		ug/m3		100	58 - 139
Bromomethane	40.4	30.2		ug/m3		75	72 - 124
Chloroethane	27.9	22.1		ug/m3		79	68 - 130
Bromoethene(Vinyl Bromide)	44.0	34.3		ug/m3		78	75 - 125
Trichlorofluoromethane	58.5	46.0		ug/m3		79	70 - 129
1,1,2-Trichlorotrifluoroethane	81.8	66.8		ug/m3		82	70 - 121
1,1-Dichloroethene	40.4	31.7		ug/m3		79	68 - 120
Acetone	24.8	21.5		ug/m3		87	54 - 154
Isopropyl alcohol	25.0	24.6		ug/m3		98	53 - 142
Carbon disulfide	32.3	25.5		ug/m3		79	71 - 138
3-Chloropropene	33.6	32.2		ug/m3		96	50 - 150
Methylene Chloride	35.6	33.8		ug/m3		95	59 - 137
tert-Butyl alcohol	32.7	26.9		ug/m3		82	66 - 132
Methyl tert-butyl ether	38.1	31.8		ug/m3		84	70 - 127
trans-1,2-Dichloroethene	40.9	34.4		ug/m3		84	69 - 137
n-Hexane	36.9	30.0		ug/m3		81	63 - 138
1,1-Dichloroethane	41.6	34.2		ug/m3		82	66 - 130
Methyl Ethyl Ketone (2-Butanone)	30.5	24.6		ug/m3		80	72 - 124
cis-1,2-Dichloroethene	41.1	32.7		ug/m3		80	72 - 121
Chloroform	50.4	41.8		ug/m3		83	73 - 124
Tetrahydrofuran	28.9	26.6		ug/m3		92	60 - 149
1,1,1-Trichloroethane	56.3	49.1		ug/m3		87	72 - 127
Cyclohexane	35.2	29.9		ug/m3		85	76 - 124
Carbon tetrachloride	63.2	57.2		ug/m3		90	71 - 133
2,2,4-Trimethylpentane	47.4	42.2		ug/m3		89	68 - 131
Benzene	33.2	27.9		ug/m3		84	73 - 119
1,2-Dichloroethane	42.3	37.2		ug/m3		88	68 - 135
n-Heptane	42.2	37.9		ug/m3		90	60 - 142
Trichloroethene	55.3	46.6		ug/m3		84	73 - 122
Methyl methacrylate	41.8	35.9		ug/m3		86	73 - 129
1,2-Dichloropropane	47.8	41.3		ug/m3		86	69 - 128
1,4-Dioxane	37.1	31.3		ug/m3		84	66 - 129
Bromodichloromethane	68.9	61.6		ug/m3		89	75 - 127
cis-1,3-Dichloropropene	45.1	40.5		ug/m3		90	74 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151696/4
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.7	36.6		ug/m3		88	58 - 144
Toluene	38.4	31.2		ug/m3		81	75 - 122
trans-1,3-Dichloropropene	44.7	40.7		ug/m3		91	74 - 128
1,1,2-Trichloroethane	57.2	46.2		ug/m3		81	75 - 126
Tetrachloroethene	71.0	53.7		ug/m3		76	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.4	34.4		ug/m3		83	57 - 143
Dibromochloromethane	90.3	80.3		ug/m3		89	73 - 125
1,2-Dibromoethane	81.9	69.6		ug/m3		85	78 - 122
Chlorobenzene	48.3	39.0		ug/m3		81	76 - 119
Ethylbenzene	44.4	36.7		ug/m3		83	74 - 122
m,p-Xylene	86.8	73.3		ug/m3		84	76 - 121
o-Xylene	45.0	35.7		ug/m3		79	73 - 123
Styrene	43.8	36.8		ug/m3		84	74 - 125
Bromoform	106	95.9		ug/m3		90	53 - 149
Cumene	51.4	41.4		ug/m3		81	73 - 123
1,1,2,2-Tetrachloroethane	71.0	60.3		ug/m3		85	74 - 126
n-Propylbenzene	50.9	43.2		ug/m3		85	73 - 127
4-Ethyltoluene	50.4	43.8		ug/m3		87	75 - 129
1,3,5-Trimethylbenzene	51.6	41.9		ug/m3		81	72 - 126
2-Chlorotoluene	54.0	46.1		ug/m3		85	74 - 126
tert-Butylbenzene	57.1	46.1		ug/m3		81	71 - 125
1,2,4-Trimethylbenzene	51.3	42.4		ug/m3		83	71 - 129
sec-Butylbenzene	57.4	47.4		ug/m3		82	70 - 128
4-Isopropyltoluene	57.6	49.0		ug/m3		85	68 - 130
1,3-Dichlorobenzene	61.1	51.2		ug/m3		84	69 - 131
1,4-Dichlorobenzene	62.5	51.0		ug/m3		82	67 - 132
Benzyl chloride	52.6	45.2		ug/m3		86	60 - 136
n-Butylbenzene	57.7	52.6		ug/m3		91	65 - 137
1,2-Dichlorobenzene	64.7	53.8		ug/m3		83	68 - 129
1,2,4-Trichlorobenzene	81.5	64.6		ug/m3		79	50 - 150
Hexachlorobutadiene	116	89.0		ug/m3		77	58 - 130
Naphthalene	55.0	45.1		ug/m3		82	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	11	8.09		ppb v/v		76	61 - 142
Chlorodifluoromethane	11	8.39		ppb v/v		79	60 - 147
1,2-Dichlorotetrafluoroethane	11	8.16		ppb v/v		77	71 - 141
Chloromethane	9.9	7.92		ppb v/v		80	56 - 141
n-Butane	10	9.64		ppb v/v		94	53 - 151
Vinyl chloride	10	9.78		ppb v/v		98	61 - 135
1,3-Butadiene	9.7	9.72		ppb v/v		100	58 - 139
Bromomethane	10	7.79		ppb v/v		75	72 - 124
Chloroethane	11	8.38		ppb v/v		79	68 - 130
Bromoethene(Vinyl Bromide)	10	7.85		ppb v/v		78	75 - 125
Trichlorofluoromethane	10	8.18		ppb v/v		79	70 - 129
1,1,2-Trichlorotrifluoroethane	11	8.71		ppb v/v		82	70 - 121
1,1-Dichloroethene	10	8.00		ppb v/v		79	68 - 120

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151696/4
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	9.05		ppb v/v		87	54 - 154
Isopropyl alcohol	10	10.0		ppb v/v		98	53 - 142
Carbon disulfide	10	8.20		ppb v/v		79	71 - 138
3-Chloropropene	11	10.3		ppb v/v		96	50 - 150
Methylene Chloride	10	9.74		ppb v/v		95	59 - 137
tert-Butyl alcohol	11	8.88		ppb v/v		82	66 - 132
Methyl tert-butyl ether	11	8.83		ppb v/v		84	70 - 127
trans-1,2-Dichloroethene	10	8.67		ppb v/v		84	69 - 137
n-Hexane	10	8.51		ppb v/v		81	63 - 138
1,1-Dichloroethane	10	8.44		ppb v/v		82	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	8.33		ppb v/v		80	72 - 124
cis-1,2-Dichloroethene	10	8.24		ppb v/v		80	72 - 121
Chloroform	10	8.56		ppb v/v		83	73 - 124
Tetrahydrofuran	9.8	9.00		ppb v/v		92	60 - 149
1,1,1-Trichloroethane	10	9.00		ppb v/v		87	72 - 127
Cyclohexane	10	8.69		ppb v/v		85	76 - 124
Carbon tetrachloride	10	9.09		ppb v/v		90	71 - 133
2,2,4-Trimethylpentane	10	9.04		ppb v/v		89	68 - 131
Benzene	10	8.74		ppb v/v		84	73 - 119
1,2-Dichloroethane	10	9.19		ppb v/v		88	68 - 135
n-Heptane	10	9.24		ppb v/v		90	60 - 142
Trichloroethene	10	8.67		ppb v/v		84	73 - 122
Methyl methacrylate	10	8.76		ppb v/v		86	73 - 129
1,2-Dichloropropane	10	8.93		ppb v/v		86	69 - 128
1,4-Dioxane	10	8.69		ppb v/v		84	66 - 129
Bromodichloromethane	10	9.19		ppb v/v		89	75 - 127
cis-1,3-Dichloropropene	9.9	8.93		ppb v/v		90	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	8.93		ppb v/v		88	58 - 144
Toluene	10	8.28		ppb v/v		81	75 - 122
trans-1,3-Dichloropropene	9.8	8.97		ppb v/v		91	74 - 128
1,1,2-Trichloroethane	10	8.46		ppb v/v		81	75 - 126
Tetrachloroethene	10	7.91		ppb v/v		76	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	8.40		ppb v/v		83	57 - 143
Dibromochloromethane	11	9.43		ppb v/v		89	73 - 125
1,2-Dibromoethane	11	9.05		ppb v/v		85	78 - 122
Chlorobenzene	10	8.47		ppb v/v		81	76 - 119
Ethylbenzene	10	8.45		ppb v/v		83	74 - 122
m,p-Xylene	20	16.9		ppb v/v		84	76 - 121
o-Xylene	10	8.22		ppb v/v		79	73 - 123
Styrene	10	8.65		ppb v/v		84	74 - 125
Bromoform	10	9.28		ppb v/v		90	53 - 149
Cumene	10	8.43		ppb v/v		81	73 - 123
1,1,2,2-Tetrachloroethane	10	8.79		ppb v/v		85	74 - 126
n-Propylbenzene	10	8.79		ppb v/v		85	73 - 127
4-Ethyltoluene	10	8.91		ppb v/v		87	75 - 129
1,3,5-Trimethylbenzene	10	8.52		ppb v/v		81	72 - 126

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151696/4
Matrix: Air
Analysis Batch: 151696

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	10	8.91		ppb v/v		85	74 - 126
tert-Butylbenzene	10	8.39		ppb v/v		81	71 - 125
1,2,4-Trimethylbenzene	10	8.63		ppb v/v		83	71 - 129
sec-Butylbenzene	10	8.63		ppb v/v		82	70 - 128
4-Isopropyltoluene	10	8.93		ppb v/v		85	68 - 130
1,3-Dichlorobenzene	10	8.52		ppb v/v		84	69 - 131
1,4-Dichlorobenzene	10	8.48		ppb v/v		82	67 - 132
Benzyl chloride	10	8.72		ppb v/v		86	60 - 136
n-Butylbenzene	11	9.59		ppb v/v		91	65 - 137
1,2-Dichlorobenzene	11	8.94		ppb v/v		83	68 - 129
1,2,4-Trichlorobenzene	11	8.70		ppb v/v		79	50 - 150
Hexachlorobutadiene	11	8.34		ppb v/v		77	58 - 130
Naphthalene	10	8.61		ppb v/v		82	50 - 150

Lab Sample ID: MB 200-151871/5
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			01/30/20 11:46	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/30/20 11:46	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/30/20 11:46	1
Chloromethane	1.0	U	1.0	0.23	ug/m3			01/30/20 11:46	1
n-Butane	1.2	U	1.2	0.26	ug/m3			01/30/20 11:46	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/30/20 11:46	1
1,3-Butadiene	0.44	U	0.44	0.13	ug/m3			01/30/20 11:46	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/30/20 11:46	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/30/20 11:46	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/30/20 11:46	1
Trichlorofluoromethane	1.1	U	1.1	0.34	ug/m3			01/30/20 11:46	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.29	ug/m3			01/30/20 11:46	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/30/20 11:46	1
Acetone	12	U	12	2.9	ug/m3			01/30/20 11:46	1
Isopropyl alcohol	12	U	12	1.2	ug/m3			01/30/20 11:46	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			01/30/20 11:46	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/30/20 11:46	1
Methylene Chloride	1.7	U	1.7	0.94	ug/m3			01/30/20 11:46	1
tert-Butyl alcohol	15	U	15	0.12	ug/m3			01/30/20 11:46	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/30/20 11:46	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/30/20 11:46	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			01/30/20 11:46	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/30/20 11:46	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.21	ug/m3			01/30/20 11:46	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/30/20 11:46	1
Chloroform	0.98	U	0.98	0.16	ug/m3			01/30/20 11:46	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			01/30/20 11:46	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/30/20 11:46	1
Cyclohexane	0.69	U	0.69	0.16	ug/m3			01/30/20 11:46	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			01/30/20 11:46	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151871/5
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,2,4-Trimethylpentane	0.93	U	0.93	0.19	ug/m3			01/30/20 11:46	1
Benzene	0.64	U	0.64	0.21	ug/m3			01/30/20 11:46	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/30/20 11:46	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/30/20 11:46	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			01/30/20 11:46	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/30/20 11:46	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/30/20 11:46	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/30/20 11:46	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/30/20 11:46	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/30/20 11:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/30/20 11:46	1
Toluene	0.75	U	0.75	0.41	ug/m3			01/30/20 11:46	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/30/20 11:46	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/30/20 11:46	1
Tetrachloroethene	1.4	U	1.4	0.22	ug/m3			01/30/20 11:46	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			01/30/20 11:46	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/30/20 11:46	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/30/20 11:46	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/30/20 11:46	1
Ethylbenzene	0.87	U	0.87	0.27	ug/m3			01/30/20 11:46	1
m,p-Xylene	2.2	U	2.2	0.43	ug/m3			01/30/20 11:46	1
o-Xylene	0.87	U	0.87	0.21	ug/m3			01/30/20 11:46	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/30/20 11:46	1
Bromoform	2.1	U ^	2.1	0.50	ug/m3			01/30/20 11:46	1
Cumene	0.98	U	0.98	0.17	ug/m3			01/30/20 11:46	1
1,1,2,2-Tetrachloroethane	0.342	J	1.4	0.29	ug/m3			01/30/20 11:46	1
n-Propylbenzene	0.253	J	0.98	0.19	ug/m3			01/30/20 11:46	1
4-Ethyltoluene	0.281	J	0.98	0.20	ug/m3			01/30/20 11:46	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.19	ug/m3			01/30/20 11:46	1
2-Chlorotoluene	0.284	J	1.0	0.22	ug/m3			01/30/20 11:46	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/30/20 11:46	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.22	ug/m3			01/30/20 11:46	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/30/20 11:46	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			01/30/20 11:46	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/30/20 11:46	1
1,4-Dichlorobenzene	0.785	J	1.2	0.72	ug/m3			01/30/20 11:46	1
Benzyl chloride	0.485	J	1.0	0.44	ug/m3			01/30/20 11:46	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/30/20 11:46	1
1,2-Dichlorobenzene	0.589	J	1.2	0.58	ug/m3			01/30/20 11:46	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/30/20 11:46	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/30/20 11:46	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/30/20 11:46	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/30/20 11:46	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/30/20 11:46	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/30/20 11:46	1
Chloromethane	0.50	U	0.50	0.11	ppb v/v			01/30/20 11:46	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151871/5
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
n-Butane	0.50	U	0.50	0.11	ppb v/v			01/30/20 11:46	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/30/20 11:46	1
1,3-Butadiene	0.20	U	0.20	0.057	ppb v/v			01/30/20 11:46	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/30/20 11:46	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/30/20 11:46	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/30/20 11:46	1
Trichlorofluoromethane	0.20	U	0.20	0.060	ppb v/v			01/30/20 11:46	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.038	ppb v/v			01/30/20 11:46	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/30/20 11:46	1
Acetone	5.0	U	5.0	1.2	ppb v/v			01/30/20 11:46	1
Isopropyl alcohol	5.0	U	5.0	0.48	ppb v/v			01/30/20 11:46	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			01/30/20 11:46	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/30/20 11:46	1
Methylene Chloride	0.50	U	0.50	0.27	ppb v/v			01/30/20 11:46	1
tert-Butyl alcohol	5.0	U	5.0	0.038	ppb v/v			01/30/20 11:46	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/30/20 11:46	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/30/20 11:46	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			01/30/20 11:46	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/30/20 11:46	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.072	ppb v/v			01/30/20 11:46	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/30/20 11:46	1
Chloroform	0.20	U	0.20	0.032	ppb v/v			01/30/20 11:46	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			01/30/20 11:46	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/30/20 11:46	1
Cyclohexane	0.20	U	0.20	0.046	ppb v/v			01/30/20 11:46	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			01/30/20 11:46	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.041	ppb v/v			01/30/20 11:46	1
Benzene	0.20	U	0.20	0.067	ppb v/v			01/30/20 11:46	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/30/20 11:46	1
n-Heptane	0.20	U	0.20	0.056	ppb v/v			01/30/20 11:46	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			01/30/20 11:46	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/30/20 11:46	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/30/20 11:46	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/30/20 11:46	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/30/20 11:46	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/30/20 11:46	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/30/20 11:46	1
Toluene	0.20	U	0.20	0.11	ppb v/v			01/30/20 11:46	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/30/20 11:46	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/30/20 11:46	1
Tetrachloroethene	0.20	U	0.20	0.033	ppb v/v			01/30/20 11:46	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			01/30/20 11:46	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/30/20 11:46	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/30/20 11:46	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/30/20 11:46	1
Ethylbenzene	0.20	U	0.20	0.063	ppb v/v			01/30/20 11:46	1
m,p-Xylene	0.50	U	0.50	0.10	ppb v/v			01/30/20 11:46	1
o-Xylene	0.20	U	0.20	0.048	ppb v/v			01/30/20 11:46	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151871/5
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.20	U	0.20	0.040	ppb v/v			01/30/20 11:46	1
Bromoform	0.20	U ^	0.20	0.048	ppb v/v			01/30/20 11:46	1
Cumene	0.20	U	0.20	0.035	ppb v/v			01/30/20 11:46	1
1,1,2,2-Tetrachloroethane	0.0499	J	0.20	0.042	ppb v/v			01/30/20 11:46	1
n-Propylbenzene	0.0514	J	0.20	0.039	ppb v/v			01/30/20 11:46	1
4-Ethyltoluene	0.0572	J	0.20	0.041	ppb v/v			01/30/20 11:46	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.039	ppb v/v			01/30/20 11:46	1
2-Chlorotoluene	0.0549	J	0.20	0.042	ppb v/v			01/30/20 11:46	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/30/20 11:46	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.044	ppb v/v			01/30/20 11:46	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/30/20 11:46	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			01/30/20 11:46	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/30/20 11:46	1
1,4-Dichlorobenzene	0.131	J	0.20	0.12	ppb v/v			01/30/20 11:46	1
Benzyl chloride	0.0937	J	0.20	0.085	ppb v/v			01/30/20 11:46	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/30/20 11:46	1
1,2-Dichlorobenzene	0.0979	J	0.20	0.097	ppb v/v			01/30/20 11:46	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/30/20 11:46	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/30/20 11:46	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/30/20 11:46	1

Lab Sample ID: LCS 200-151871/6
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52.3	47.1		ug/m3		90	61 - 142
Chlorodifluoromethane	37.4	40.1		ug/m3		107	60 - 147
1,2-Dichlorotetrafluoroethane	74.0	69.2		ug/m3		93	71 - 141
Chloromethane	20.5	23.3		ug/m3		113	56 - 141
n-Butane	24.5	28.1		ug/m3		115	53 - 151
Vinyl chloride	25.5	27.1		ug/m3		106	61 - 135
1,3-Butadiene	21.5	24.9		ug/m3		116	58 - 139
Bromomethane	40.4	34.0		ug/m3		84	72 - 124
Chloroethane	27.9	27.0		ug/m3		97	68 - 130
Bromoethene(Vinyl Bromide)	44.0	37.9		ug/m3		86	75 - 125
Trichlorofluoromethane	58.5	47.9		ug/m3		82	70 - 129
1,1,2-Trichlorotrifluoroethane	81.8	70.7		ug/m3		86	70 - 121
1,1-Dichloroethene	40.4	34.5		ug/m3		85	68 - 120
Acetone	24.8	25.0		ug/m3		101	54 - 154
Isopropyl alcohol	25.0	26.2		ug/m3		105	53 - 142
Carbon disulfide	32.3	28.6		ug/m3		89	71 - 138
3-Chloropropene	33.6	20.0		ug/m3		60	50 - 150
Methylene Chloride	35.6	35.9		ug/m3		101	59 - 137
tert-Butyl alcohol	32.7	34.5		ug/m3		105	66 - 132
Methyl tert-butyl ether	38.1	35.8		ug/m3		94	70 - 127
trans-1,2-Dichloroethene	40.9	38.4		ug/m3		94	69 - 137
n-Hexane	36.9	34.5		ug/m3		94	63 - 138
1,1-Dichloroethane	41.6	40.6		ug/m3		98	66 - 130

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151871/6
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl Ethyl Ketone (2-Butanone)	30.5	29.2		ug/m3		96	72 - 124
cis-1,2-Dichloroethene	41.1	35.9		ug/m3		87	72 - 121
Chloroform	50.4	45.5		ug/m3		90	73 - 124
Tetrahydrofuran	28.9	36.5		ug/m3		126	60 - 149
1,1,1-Trichloroethane	56.3	50.1		ug/m3		89	72 - 127
Cyclohexane	35.2	31.0		ug/m3		88	76 - 124
Carbon tetrachloride	63.2	56.2		ug/m3		89	71 - 133
2,2,4-Trimethylpentane	47.4	46.5		ug/m3		98	68 - 131
Benzene	33.2	29.6		ug/m3		89	73 - 119
1,2-Dichloroethane	42.3	41.3		ug/m3		98	68 - 135
n-Heptane	42.2	45.3		ug/m3		107	60 - 142
Trichloroethene	55.3	48.8		ug/m3		88	73 - 122
Methyl methacrylate	41.8	38.6		ug/m3		92	73 - 129
1,2-Dichloropropane	47.8	45.8		ug/m3		96	69 - 128
1,4-Dioxane	37.1	33.1		ug/m3		89	66 - 129
Bromodichloromethane	68.9	63.5		ug/m3		92	75 - 127
cis-1,3-Dichloropropene	45.1	42.7		ug/m3		95	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.7	47.1		ug/m3		113	58 - 144
Toluene	38.4	34.3		ug/m3		89	75 - 122
trans-1,3-Dichloropropene	44.7	43.3		ug/m3		97	74 - 128
1,1,2-Trichloroethane	57.2	52.9		ug/m3		92	75 - 126
Tetrachloroethene	71.0	56.7		ug/m3		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.4	53.5		ug/m3		129	57 - 143
Dibromochloromethane	90.3	85.3		ug/m3		94	73 - 125
1,2-Dibromoethane	81.9	77.1		ug/m3		94	78 - 122
Chlorobenzene	48.3	45.5		ug/m3		94	76 - 119
Ethylbenzene	44.4	44.9		ug/m3		101	74 - 122
m,p-Xylene	86.8	89.7		ug/m3		103	76 - 121
o-Xylene	45.0	48.0		ug/m3		107	73 - 123
Styrene	43.8	46.3		ug/m3		106	74 - 125
Bromoform	106	125	^	ug/m3		117	53 - 149
Cumene	51.4	51.6		ug/m3		100	73 - 123
1,1,2,2-Tetrachloroethane	71.0	74.9		ug/m3		105	74 - 126
n-Propylbenzene	50.9	53.7		ug/m3		105	73 - 127
4-Ethyltoluene	50.4	52.3		ug/m3		104	75 - 129
1,3,5-Trimethylbenzene	51.6	50.6		ug/m3		98	72 - 126
2-Chlorotoluene	54.0	56.9		ug/m3		105	74 - 126
tert-Butylbenzene	57.1	55.6		ug/m3		97	71 - 125
1,2,4-Trimethylbenzene	51.3	51.2		ug/m3		100	71 - 129
sec-Butylbenzene	57.4	56.6		ug/m3		99	70 - 128
4-Isopropyltoluene	57.6	58.1		ug/m3		101	68 - 130
1,3-Dichlorobenzene	61.1	66.0		ug/m3		108	69 - 131
1,4-Dichlorobenzene	62.5	65.6		ug/m3		105	67 - 132
Benzyl chloride	52.6	56.7		ug/m3		108	60 - 136
n-Butylbenzene	57.7	64.6		ug/m3		112	65 - 137
1,2-Dichlorobenzene	64.7	69.0		ug/m3		107	68 - 129

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151871/6
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	81.5	81.1		ug/m3		99	50 - 150
Hexachlorobutadiene	116	110		ug/m3		95	58 - 130
Naphthalene	55.0	51.9		ug/m3		94	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	11	9.53		ppb v/v		90	61 - 142
Chlorodifluoromethane	11	11.3		ppb v/v		107	60 - 147
1,2-Dichlorotetrafluoroethane	11	9.90		ppb v/v		93	71 - 141
Chloromethane	9.9	11.3		ppb v/v		113	56 - 141
n-Butane	10	11.8		ppb v/v		115	53 - 151
Vinyl chloride	10	10.6		ppb v/v		106	61 - 135
1,3-Butadiene	9.7	11.3		ppb v/v		116	58 - 139
Bromomethane	10	8.75		ppb v/v		84	72 - 124
Chloroethane	11	10.2		ppb v/v		97	68 - 130
Bromoethene(Vinyl Bromide)	10	8.67		ppb v/v		86	75 - 125
Trichlorofluoromethane	10	8.53		ppb v/v		82	70 - 129
1,1,2-Trichlorotrifluoroethane	11	9.22		ppb v/v		86	70 - 121
1,1-Dichloroethene	10	8.70		ppb v/v		85	68 - 120
Acetone	10	10.5		ppb v/v		101	54 - 154
Isopropyl alcohol	10	10.6		ppb v/v		105	53 - 142
Carbon disulfide	10	9.19		ppb v/v		89	71 - 138
3-Chloropropene	11	6.39		ppb v/v		60	50 - 150
Methylene Chloride	10	10.3		ppb v/v		101	59 - 137
tert-Butyl alcohol	11	11.4		ppb v/v		105	66 - 132
Methyl tert-butyl ether	11	9.94		ppb v/v		94	70 - 127
trans-1,2-Dichloroethene	10	9.68		ppb v/v		94	69 - 137
n-Hexane	10	9.80		ppb v/v		94	63 - 138
1,1-Dichloroethane	10	10.0		ppb v/v		98	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.90		ppb v/v		96	72 - 124
cis-1,2-Dichloroethene	10	9.06		ppb v/v		87	72 - 121
Chloroform	10	9.32		ppb v/v		90	73 - 124
Tetrahydrofuran	9.8	12.4		ppb v/v		126	60 - 149
1,1,1-Trichloroethane	10	9.17		ppb v/v		89	72 - 127
Cyclohexane	10	9.00		ppb v/v		88	76 - 124
Carbon tetrachloride	10	8.94		ppb v/v		89	71 - 133
2,2,4-Trimethylpentane	10	9.95		ppb v/v		98	68 - 131
Benzene	10	9.25		ppb v/v		89	73 - 119
1,2-Dichloroethane	10	10.2		ppb v/v		98	68 - 135
n-Heptane	10	11.1		ppb v/v		107	60 - 142
Trichloroethene	10	9.07		ppb v/v		88	73 - 122
Methyl methacrylate	10	9.43		ppb v/v		92	73 - 129
1,2-Dichloropropane	10	9.92		ppb v/v		96	69 - 128
1,4-Dioxane	10	9.19		ppb v/v		89	66 - 129
Bromodichloromethane	10	9.47		ppb v/v		92	75 - 127
cis-1,3-Dichloropropene	9.9	9.41		ppb v/v		95	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.5		ppb v/v		113	58 - 144
Toluene	10	9.11		ppb v/v		89	75 - 122

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151871/6
Matrix: Air
Analysis Batch: 151871

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
trans-1,3-Dichloropropene	9.8	9.55		ppb v/v		97	74 - 128
1,1,2-Trichloroethane	10	9.70		ppb v/v		92	75 - 126
Tetrachloroethene	10	8.36		ppb v/v		80	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	13.0		ppb v/v		129	57 - 143
Dibromochloromethane	11	10.0		ppb v/v		94	73 - 125
1,2-Dibromoethane	11	10.0		ppb v/v		94	78 - 122
Chlorobenzene	10	9.89		ppb v/v		94	76 - 119
Ethylbenzene	10	10.3		ppb v/v		101	74 - 122
m,p-Xylene	20	20.7		ppb v/v		103	76 - 121
o-Xylene	10	11.1		ppb v/v		107	73 - 123
Styrene	10	10.9		ppb v/v		106	74 - 125
Bromoform	10	12.1	^	ppb v/v		117	53 - 149
Cumene	10	10.5		ppb v/v		100	73 - 123
1,1,2,2-Tetrachloroethane	10	10.9		ppb v/v		105	74 - 126
n-Propylbenzene	10	10.9		ppb v/v		105	73 - 127
4-Ethyltoluene	10	10.6		ppb v/v		104	75 - 129
1,3,5-Trimethylbenzene	10	10.3		ppb v/v		98	72 - 126
2-Chlorotoluene	10	11.0		ppb v/v		105	74 - 126
tert-Butylbenzene	10	10.1		ppb v/v		97	71 - 125
1,2,4-Trimethylbenzene	10	10.4		ppb v/v		100	71 - 129
sec-Butylbenzene	10	10.3		ppb v/v		99	70 - 128
4-Isopropyltoluene	10	10.6		ppb v/v		101	68 - 130
1,3-Dichlorobenzene	10	11.0		ppb v/v		108	69 - 131
1,4-Dichlorobenzene	10	10.9		ppb v/v		105	67 - 132
Benzyl chloride	10	11.0		ppb v/v		108	60 - 136
n-Butylbenzene	11	11.8		ppb v/v		112	65 - 137
1,2-Dichlorobenzene	11	11.5		ppb v/v		107	68 - 129
1,2,4-Trichlorobenzene	11	10.9		ppb v/v		99	50 - 150
Hexachlorobutadiene	11	10.3		ppb v/v		95	58 - 130
Naphthalene	10	9.89		ppb v/v		94	50 - 150

Lab Sample ID: MB 200-151908/4
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			01/31/20 10:54	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			01/31/20 10:54	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			01/31/20 10:54	1
Chloromethane	1.0	U	1.0	0.23	ug/m3			01/31/20 10:54	1
n-Butane	1.2	U	1.2	0.26	ug/m3			01/31/20 10:54	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			01/31/20 10:54	1
1,3-Butadiene	0.44	U	0.44	0.13	ug/m3			01/31/20 10:54	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			01/31/20 10:54	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			01/31/20 10:54	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			01/31/20 10:54	1
Trichlorofluoromethane	1.1	U	1.1	0.34	ug/m3			01/31/20 10:54	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.29	ug/m3			01/31/20 10:54	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151908/4
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			01/31/20 10:54	1
Acetone	12	U	12	2.9	ug/m3			01/31/20 10:54	1
Isopropyl alcohol	12	U	12	1.2	ug/m3			01/31/20 10:54	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			01/31/20 10:54	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			01/31/20 10:54	1
Methylene Chloride	1.7	U	1.7	0.94	ug/m3			01/31/20 10:54	1
tert-Butyl alcohol	15	U	15	0.12	ug/m3			01/31/20 10:54	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			01/31/20 10:54	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			01/31/20 10:54	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			01/31/20 10:54	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			01/31/20 10:54	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.21	ug/m3			01/31/20 10:54	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			01/31/20 10:54	1
Chloroform	0.98	U	0.98	0.16	ug/m3			01/31/20 10:54	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			01/31/20 10:54	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 10:54	1
Cyclohexane	0.69	U	0.69	0.16	ug/m3			01/31/20 10:54	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			01/31/20 10:54	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.19	ug/m3			01/31/20 10:54	1
Benzene	0.64	U	0.64	0.21	ug/m3			01/31/20 10:54	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			01/31/20 10:54	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			01/31/20 10:54	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			01/31/20 10:54	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			01/31/20 10:54	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			01/31/20 10:54	1
1,4-Dioxane	18	U	18	0.30	ug/m3			01/31/20 10:54	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			01/31/20 10:54	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			01/31/20 10:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			01/31/20 10:54	1
Toluene	0.75	U	0.75	0.41	ug/m3			01/31/20 10:54	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			01/31/20 10:54	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			01/31/20 10:54	1
Tetrachloroethene	1.4	U	1.4	0.22	ug/m3			01/31/20 10:54	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			01/31/20 10:54	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			01/31/20 10:54	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			01/31/20 10:54	1
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			01/31/20 10:54	1
Ethylbenzene	0.87	U	0.87	0.27	ug/m3			01/31/20 10:54	1
m,p-Xylene	2.2	U	2.2	0.43	ug/m3			01/31/20 10:54	1
o-Xylene	0.87	U	0.87	0.21	ug/m3			01/31/20 10:54	1
Styrene	0.85	U	0.85	0.17	ug/m3			01/31/20 10:54	1
Bromoform	2.1	U ^	2.1	0.50	ug/m3			01/31/20 10:54	1
Cumene	0.98	U	0.98	0.17	ug/m3			01/31/20 10:54	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			01/31/20 10:54	1
n-Propylbenzene	0.228	J	0.98	0.19	ug/m3			01/31/20 10:54	1
4-Ethyltoluene	0.227	J	0.98	0.20	ug/m3			01/31/20 10:54	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.19	ug/m3			01/31/20 10:54	1
2-Chlorotoluene	0.253	J	1.0	0.22	ug/m3			01/31/20 10:54	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151908/4
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 10:54	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.22	ug/m3			01/31/20 10:54	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			01/31/20 10:54	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			01/31/20 10:54	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			01/31/20 10:54	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			01/31/20 10:54	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			01/31/20 10:54	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			01/31/20 10:54	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			01/31/20 10:54	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			01/31/20 10:54	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			01/31/20 10:54	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			01/31/20 10:54	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			01/31/20 10:54	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			01/31/20 10:54	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 10:54	1
Chloromethane	0.50	U	0.50	0.11	ppb v/v			01/31/20 10:54	1
n-Butane	0.50	U	0.50	0.11	ppb v/v			01/31/20 10:54	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			01/31/20 10:54	1
1,3-Butadiene	0.20	U	0.20	0.057	ppb v/v			01/31/20 10:54	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			01/31/20 10:54	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			01/31/20 10:54	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			01/31/20 10:54	1
Trichlorofluoromethane	0.20	U	0.20	0.060	ppb v/v			01/31/20 10:54	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.038	ppb v/v			01/31/20 10:54	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			01/31/20 10:54	1
Acetone	5.0	U	5.0	1.2	ppb v/v			01/31/20 10:54	1
Isopropyl alcohol	5.0	U	5.0	0.48	ppb v/v			01/31/20 10:54	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			01/31/20 10:54	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			01/31/20 10:54	1
Methylene Chloride	0.50	U	0.50	0.27	ppb v/v			01/31/20 10:54	1
tert-Butyl alcohol	5.0	U	5.0	0.038	ppb v/v			01/31/20 10:54	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			01/31/20 10:54	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			01/31/20 10:54	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			01/31/20 10:54	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			01/31/20 10:54	1
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.072	ppb v/v			01/31/20 10:54	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			01/31/20 10:54	1
Chloroform	0.20	U	0.20	0.032	ppb v/v			01/31/20 10:54	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			01/31/20 10:54	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 10:54	1
Cyclohexane	0.20	U	0.20	0.046	ppb v/v			01/31/20 10:54	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			01/31/20 10:54	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.041	ppb v/v			01/31/20 10:54	1
Benzene	0.20	U	0.20	0.067	ppb v/v			01/31/20 10:54	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			01/31/20 10:54	1
n-Heptane	0.20	U	0.20	0.056	ppb v/v			01/31/20 10:54	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			01/31/20 10:54	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151908/4
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			01/31/20 10:54	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			01/31/20 10:54	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			01/31/20 10:54	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			01/31/20 10:54	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			01/31/20 10:54	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			01/31/20 10:54	1
Toluene	0.20	U	0.20	0.11	ppb v/v			01/31/20 10:54	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			01/31/20 10:54	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 10:54	1
Tetrachloroethene	0.20	U	0.20	0.033	ppb v/v			01/31/20 10:54	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			01/31/20 10:54	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			01/31/20 10:54	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			01/31/20 10:54	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			01/31/20 10:54	1
Ethylbenzene	0.20	U	0.20	0.063	ppb v/v			01/31/20 10:54	1
m,p-Xylene	0.50	U	0.50	0.10	ppb v/v			01/31/20 10:54	1
o-Xylene	0.20	U	0.20	0.048	ppb v/v			01/31/20 10:54	1
Styrene	0.20	U	0.20	0.040	ppb v/v			01/31/20 10:54	1
Bromoform	0.20	U ^	0.20	0.048	ppb v/v			01/31/20 10:54	1
Cumene	0.20	U	0.20	0.035	ppb v/v			01/31/20 10:54	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			01/31/20 10:54	1
n-Propylbenzene	0.0463	J	0.20	0.039	ppb v/v			01/31/20 10:54	1
4-Ethyltoluene	0.0461	J	0.20	0.041	ppb v/v			01/31/20 10:54	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.039	ppb v/v			01/31/20 10:54	1
2-Chlorotoluene	0.0488	J	0.20	0.042	ppb v/v			01/31/20 10:54	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 10:54	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.044	ppb v/v			01/31/20 10:54	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			01/31/20 10:54	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			01/31/20 10:54	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			01/31/20 10:54	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			01/31/20 10:54	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			01/31/20 10:54	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			01/31/20 10:54	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			01/31/20 10:54	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			01/31/20 10:54	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			01/31/20 10:54	1
Naphthalene	0.50	U	0.50	0.17	ppb v/v			01/31/20 10:54	1

Lab Sample ID: LCS 200-151908/3
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52.3	43.6		ug/m3		83	61 - 142
Chlorodifluoromethane	37.4	34.5		ug/m3		92	60 - 147
1,2-Dichlorotetrafluoroethane	74.0	63.5		ug/m3		86	71 - 141
Chloromethane	20.5	20.9		ug/m3		102	56 - 141
n-Butane	24.5	24.6		ug/m3		101	53 - 151

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151908/3
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	25.5	24.5		ug/m3		96	61 - 135
1,3-Butadiene	21.5	22.8		ug/m3		106	58 - 139
Bromomethane	40.4	33.3		ug/m3		83	72 - 124
Chloroethane	27.9	26.7		ug/m3		96	68 - 130
Bromoethene(Vinyl Bromide)	44.0	38.2		ug/m3		87	75 - 125
Trichlorofluoromethane	58.5	47.1		ug/m3		81	70 - 129
1,1,2-Trichlorotrifluoroethane	81.8	69.0		ug/m3		84	70 - 121
1,1-Dichloroethene	40.4	34.6		ug/m3		86	68 - 120
Acetone	24.8	23.3		ug/m3		94	54 - 154
Isopropyl alcohol	25.0	24.2		ug/m3		97	53 - 142
Carbon disulfide	32.3	27.8		ug/m3		86	71 - 138
3-Chloropropene	33.6	19.1		ug/m3		57	50 - 150
Methylene Chloride	35.6	34.7		ug/m3		97	59 - 137
tert-Butyl alcohol	32.7	31.8		ug/m3		97	66 - 132
Methyl tert-butyl ether	38.1	34.8		ug/m3		91	70 - 127
trans-1,2-Dichloroethene	40.9	38.4		ug/m3		94	69 - 137
n-Hexane	36.9	33.6		ug/m3		91	63 - 138
1,1-Dichloroethane	41.6	39.7		ug/m3		96	66 - 130
Methyl Ethyl Ketone (2-Butanone)	30.5	28.2		ug/m3		92	72 - 124
cis-1,2-Dichloroethene	41.1	35.9		ug/m3		87	72 - 121
Chloroform	50.4	44.3		ug/m3		88	73 - 124
Tetrahydrofuran	28.9	34.6		ug/m3		120	60 - 149
1,1,1-Trichloroethane	56.3	48.7		ug/m3		87	72 - 127
Cyclohexane	35.2	30.9		ug/m3		88	76 - 124
Carbon tetrachloride	63.2	54.7		ug/m3		87	71 - 133
2,2,4-Trimethylpentane	47.4	46.1		ug/m3		97	68 - 131
Benzene	33.2	29.4		ug/m3		88	73 - 119
1,2-Dichloroethane	42.3	39.7		ug/m3		94	68 - 135
n-Heptane	42.2	43.1		ug/m3		102	60 - 142
Trichloroethene	55.3	49.2		ug/m3		89	73 - 122
Methyl methacrylate	41.8	37.6		ug/m3		90	73 - 129
1,2-Dichloropropane	47.8	45.3		ug/m3		95	69 - 128
1,4-Dioxane	37.1	32.8		ug/m3		89	66 - 129
Bromodichloromethane	68.9	61.0		ug/m3		89	75 - 127
cis-1,3-Dichloropropene	45.1	42.0		ug/m3		93	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.7	45.6		ug/m3		109	58 - 144
Toluene	38.4	31.9		ug/m3		83	75 - 122
trans-1,3-Dichloropropene	44.7	43.5		ug/m3		97	74 - 128
1,1,2-Trichloroethane	57.2	49.9		ug/m3		87	75 - 126
Tetrachloroethene	71.0	54.4		ug/m3		77	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.4	50.2		ug/m3		121	57 - 143
Dibromochloromethane	90.3	82.3		ug/m3		91	73 - 125
1,2-Dibromoethane	81.9	76.0		ug/m3		93	78 - 122
Chlorobenzene	48.3	45.7		ug/m3		94	76 - 119
Ethylbenzene	44.4	43.9		ug/m3		99	74 - 122
m,p-Xylene	86.8	87.8		ug/m3		101	76 - 121

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151908/3
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
o-Xylene	45.0	46.1		ug/m3		102	73 - 123
Styrene	43.8	44.3		ug/m3		101	74 - 125
Bromoform	106	118	^	ug/m3		111	53 - 149
Cumene	51.4	47.5		ug/m3		92	73 - 123
1,1,2,2-Tetrachloroethane	71.0	67.6		ug/m3		95	74 - 126
n-Propylbenzene	50.9	49.1		ug/m3		96	73 - 127
4-Ethyltoluene	50.4	47.7		ug/m3		95	75 - 129
1,3,5-Trimethylbenzene	51.6	46.3		ug/m3		90	72 - 126
2-Chlorotoluene	54.0	51.4		ug/m3		95	74 - 126
tert-Butylbenzene	57.1	51.1		ug/m3		90	71 - 125
1,2,4-Trimethylbenzene	51.3	46.9		ug/m3		91	71 - 129
sec-Butylbenzene	57.4	51.3		ug/m3		89	70 - 128
4-Isopropyltoluene	57.6	53.5		ug/m3		93	68 - 130
1,3-Dichlorobenzene	61.1	61.7		ug/m3		101	69 - 131
1,4-Dichlorobenzene	62.5	61.9		ug/m3		99	67 - 132
Benzyl chloride	52.6	51.7		ug/m3		98	60 - 136
n-Butylbenzene	57.7	58.3		ug/m3		101	65 - 137
1,2-Dichlorobenzene	64.7	63.9		ug/m3		99	68 - 129
1,2,4-Trichlorobenzene	81.5	78.8		ug/m3		97	50 - 150
Hexachlorobutadiene	116	103		ug/m3		89	58 - 130
Naphthalene	55.0	49.0		ug/m3		89	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	11	8.82		ppb v/v		83	61 - 142
Chlorodifluoromethane	11	9.75		ppb v/v		92	60 - 147
1,2-Dichlorotetrafluoroethane	11	9.09		ppb v/v		86	71 - 141
Chloromethane	9.9	10.1		ppb v/v		102	56 - 141
n-Butane	10	10.4		ppb v/v		101	53 - 151
Vinyl chloride	10	9.59		ppb v/v		96	61 - 135
1,3-Butadiene	9.7	10.3		ppb v/v		106	58 - 139
Bromomethane	10	8.58		ppb v/v		83	72 - 124
Chloroethane	11	10.1		ppb v/v		96	68 - 130
Bromoethene(Vinyl Bromide)	10	8.74		ppb v/v		87	75 - 125
Trichlorofluoromethane	10	8.39		ppb v/v		81	70 - 129
1,1,2-Trichlorotrifluoroethane	11	9.01		ppb v/v		84	70 - 121
1,1-Dichloroethene	10	8.74		ppb v/v		86	68 - 120
Acetone	10	9.81		ppb v/v		94	54 - 154
Isopropyl alcohol	10	9.86		ppb v/v		97	53 - 142
Carbon disulfide	10	8.93		ppb v/v		86	71 - 138
3-Chloropropene	11	6.10		ppb v/v		57	50 - 150
Methylene Chloride	10	9.98		ppb v/v		97	59 - 137
tert-Butyl alcohol	11	10.5		ppb v/v		97	66 - 132
Methyl tert-butyl ether	11	9.66		ppb v/v		91	70 - 127
trans-1,2-Dichloroethene	10	9.68		ppb v/v		94	69 - 137
n-Hexane	10	9.54		ppb v/v		91	63 - 138
1,1-Dichloroethane	10	9.81		ppb v/v		96	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.56		ppb v/v		92	72 - 124
cis-1,2-Dichloroethene	10	9.04		ppb v/v		87	72 - 121

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151908/3
Matrix: Air
Analysis Batch: 151908

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	10	9.07		ppb v/v		88	73 - 124
Tetrahydrofuran	9.8	11.7		ppb v/v		120	60 - 149
1,1,1-Trichloroethane	10	8.93		ppb v/v		87	72 - 127
Cyclohexane	10	8.98		ppb v/v		88	76 - 124
Carbon tetrachloride	10	8.70		ppb v/v		87	71 - 133
2,2,4-Trimethylpentane	10	9.86		ppb v/v		97	68 - 131
Benzene	10	9.19		ppb v/v		88	73 - 119
1,2-Dichloroethane	10	9.82		ppb v/v		94	68 - 135
n-Heptane	10	10.5		ppb v/v		102	60 - 142
Trichloroethene	10	9.15		ppb v/v		89	73 - 122
Methyl methacrylate	10	9.19		ppb v/v		90	73 - 129
1,2-Dichloropropane	10	9.80		ppb v/v		95	69 - 128
1,4-Dioxane	10	9.11		ppb v/v		89	66 - 129
Bromodichloromethane	10	9.11		ppb v/v		89	75 - 127
cis-1,3-Dichloropropene	9.9	9.26		ppb v/v		93	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	11.1		ppb v/v		109	58 - 144
Toluene	10	8.47		ppb v/v		83	75 - 122
trans-1,3-Dichloropropene	9.8	9.58		ppb v/v		97	74 - 128
1,1,2-Trichloroethane	10	9.15		ppb v/v		87	75 - 126
Tetrachloroethene	10	8.03		ppb v/v		77	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	12.2		ppb v/v		121	57 - 143
Dibromochloromethane	11	9.66		ppb v/v		91	73 - 125
1,2-Dibromoethane	11	9.90		ppb v/v		93	78 - 122
Chlorobenzene	10	9.92		ppb v/v		94	76 - 119
Ethylbenzene	10	10.1		ppb v/v		99	74 - 122
m,p-Xylene	20	20.2		ppb v/v		101	76 - 121
o-Xylene	10	10.6		ppb v/v		102	73 - 123
Styrene	10	10.4		ppb v/v		101	74 - 125
Bromoform	10	11.4	^	ppb v/v		111	53 - 149
Cumene	10	9.67		ppb v/v		92	73 - 123
1,1,2,2-Tetrachloroethane	10	9.85		ppb v/v		95	74 - 126
n-Propylbenzene	10	9.98		ppb v/v		96	73 - 127
4-Ethyltoluene	10	9.70		ppb v/v		95	75 - 129
1,3,5-Trimethylbenzene	10	9.42		ppb v/v		90	72 - 126
2-Chlorotoluene	10	9.92		ppb v/v		95	74 - 126
tert-Butylbenzene	10	9.31		ppb v/v		90	71 - 125
1,2,4-Trimethylbenzene	10	9.53		ppb v/v		91	71 - 129
sec-Butylbenzene	10	9.35		ppb v/v		89	70 - 128
4-Isopropyltoluene	10	9.75		ppb v/v		93	68 - 130
1,3-Dichlorobenzene	10	10.3		ppb v/v		101	69 - 131
1,4-Dichlorobenzene	10	10.3		ppb v/v		99	67 - 132
Benzyl chloride	10	9.98		ppb v/v		98	60 - 136
n-Butylbenzene	11	10.6		ppb v/v		101	65 - 137
1,2-Dichlorobenzene	11	10.6		ppb v/v		99	68 - 129
1,2,4-Trichlorobenzene	11	10.6		ppb v/v		97	50 - 150
Hexachlorobutadiene	11	9.70		ppb v/v		89	58 - 130
Naphthalene	10	9.35		ppb v/v		89	50 - 150

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151958/5
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	2.5	U	2.5	0.54	ug/m3			02/03/20 13:04	1
Chlorodifluoromethane	1.8	U	1.8	0.42	ug/m3			02/03/20 13:04	1
1,2-Dichlorotetrafluoroethane	1.4	U	1.4	0.24	ug/m3			02/03/20 13:04	1
Chloromethane	1.0	U	1.0	0.23	ug/m3			02/03/20 13:04	1
n-Butane	1.2	U	1.2	0.26	ug/m3			02/03/20 13:04	1
Vinyl chloride	0.20	U	0.20	0.11	ug/m3			02/03/20 13:04	1
1,3-Butadiene	0.44	U	0.44	0.13	ug/m3			02/03/20 13:04	1
Bromomethane	0.78	U	0.78	0.20	ug/m3			02/03/20 13:04	1
Chloroethane	1.3	U	1.3	0.14	ug/m3			02/03/20 13:04	1
Bromoethene(Vinyl Bromide)	0.87	U	0.87	0.23	ug/m3			02/03/20 13:04	1
Trichlorofluoromethane	1.1	U	1.1	0.34	ug/m3			02/03/20 13:04	1
1,1,2-Trichlorotrifluoroethane	1.5	U	1.5	0.29	ug/m3			02/03/20 13:04	1
1,1-Dichloroethene	0.20	U	0.20	0.15	ug/m3			02/03/20 13:04	1
Acetone	12	U	12	2.9	ug/m3			02/03/20 13:04	1
Isopropyl alcohol	12	U	12	1.2	ug/m3			02/03/20 13:04	1
Carbon disulfide	1.6	U	1.6	0.23	ug/m3			02/03/20 13:04	1
3-Chloropropene	1.6	U	1.6	0.20	ug/m3			02/03/20 13:04	1
Methylene Chloride	1.7	U	1.7	0.94	ug/m3			02/03/20 13:04	1
tert-Butyl alcohol	15	U	15	0.12	ug/m3			02/03/20 13:04	1
Methyl tert-butyl ether	0.72	U	0.72	0.12	ug/m3			02/03/20 13:04	1
trans-1,2-Dichloroethene	0.79	U	0.79	0.17	ug/m3			02/03/20 13:04	1
n-Hexane	0.70	U	0.70	0.70	ug/m3			02/03/20 13:04	1
1,1-Dichloroethane	0.81	U	0.81	0.17	ug/m3			02/03/20 13:04	1
Methyl Ethyl Ketone (2-Butanone)	1.5	U	1.5	0.21	ug/m3			02/03/20 13:04	1
cis-1,2-Dichloroethene	0.20	U	0.20	0.18	ug/m3			02/03/20 13:04	1
Chloroform	0.98	U	0.98	0.16	ug/m3			02/03/20 13:04	1
Tetrahydrofuran	15	U	15	0.19	ug/m3			02/03/20 13:04	1
1,1,1-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 13:04	1
Cyclohexane	0.69	U	0.69	0.16	ug/m3			02/03/20 13:04	1
Carbon tetrachloride	0.22	U	0.22	0.15	ug/m3			02/03/20 13:04	1
2,2,4-Trimethylpentane	0.93	U	0.93	0.19	ug/m3			02/03/20 13:04	1
Benzene	0.64	U	0.64	0.21	ug/m3			02/03/20 13:04	1
1,2-Dichloroethane	0.81	U	0.81	0.13	ug/m3			02/03/20 13:04	1
n-Heptane	0.82	U	0.82	0.23	ug/m3			02/03/20 13:04	1
Trichloroethene	0.20	U	0.20	0.19	ug/m3			02/03/20 13:04	1
Methyl methacrylate	2.0	U	2.0	0.14	ug/m3			02/03/20 13:04	1
1,2-Dichloropropane	0.92	U	0.92	0.15	ug/m3			02/03/20 13:04	1
1,4-Dioxane	18	U	18	0.30	ug/m3			02/03/20 13:04	1
Bromodichloromethane	1.3	U	1.3	0.23	ug/m3			02/03/20 13:04	1
cis-1,3-Dichloropropene	0.91	U	0.91	0.15	ug/m3			02/03/20 13:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	2.0	U	2.0	0.15	ug/m3			02/03/20 13:04	1
Toluene	0.75	U	0.75	0.41	ug/m3			02/03/20 13:04	1
trans-1,3-Dichloropropene	0.91	U	0.91	0.18	ug/m3			02/03/20 13:04	1
1,1,2-Trichloroethane	1.1	U	1.1	0.20	ug/m3			02/03/20 13:04	1
Tetrachloroethene	1.4	U	1.4	0.22	ug/m3			02/03/20 13:04	1
Methyl Butyl Ketone (2-Hexanone)	2.0	U	2.0	0.20	ug/m3			02/03/20 13:04	1
Dibromochloromethane	1.7	U	1.7	0.31	ug/m3			02/03/20 13:04	1
1,2-Dibromoethane	1.5	U	1.5	0.38	ug/m3			02/03/20 13:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151958/5
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.92	U	0.92	0.26	ug/m3			02/03/20 13:04	1
Ethylbenzene	0.87	U	0.87	0.27	ug/m3			02/03/20 13:04	1
m,p-Xylene	2.2	U	2.2	0.43	ug/m3			02/03/20 13:04	1
o-Xylene	0.87	U	0.87	0.21	ug/m3			02/03/20 13:04	1
Styrene	0.85	U	0.85	0.17	ug/m3			02/03/20 13:04	1
Bromoform	2.1	U	2.1	0.50	ug/m3			02/03/20 13:04	1
Cumene	0.98	U	0.98	0.17	ug/m3			02/03/20 13:04	1
1,1,2,2-Tetrachloroethane	1.4	U	1.4	0.29	ug/m3			02/03/20 13:04	1
n-Propylbenzene	0.98	U	0.98	0.19	ug/m3			02/03/20 13:04	1
4-Ethyltoluene	0.98	U	0.98	0.20	ug/m3			02/03/20 13:04	1
1,3,5-Trimethylbenzene	0.98	U	0.98	0.19	ug/m3			02/03/20 13:04	1
2-Chlorotoluene	1.0	U	1.0	0.22	ug/m3			02/03/20 13:04	1
tert-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 13:04	1
1,2,4-Trimethylbenzene	0.98	U	0.98	0.22	ug/m3			02/03/20 13:04	1
sec-Butylbenzene	1.1	U	1.1	0.19	ug/m3			02/03/20 13:04	1
4-Isopropyltoluene	1.1	U	1.1	0.21	ug/m3			02/03/20 13:04	1
1,3-Dichlorobenzene	1.2	U	1.2	0.66	ug/m3			02/03/20 13:04	1
1,4-Dichlorobenzene	1.2	U	1.2	0.72	ug/m3			02/03/20 13:04	1
Benzyl chloride	1.0	U	1.0	0.44	ug/m3			02/03/20 13:04	1
n-Butylbenzene	1.1	U	1.1	0.21	ug/m3			02/03/20 13:04	1
1,2-Dichlorobenzene	1.2	U	1.2	0.58	ug/m3			02/03/20 13:04	1
1,2,4-Trichlorobenzene	3.7	U	3.7	1.6	ug/m3			02/03/20 13:04	1
Hexachlorobutadiene	2.1	U	2.1	0.81	ug/m3			02/03/20 13:04	1
Naphthalene	2.6	U	2.6	0.89	ug/m3			02/03/20 13:04	1

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.50	U	0.50	0.11	ppb v/v			02/03/20 13:04	1
Chlorodifluoromethane	0.50	U	0.50	0.12	ppb v/v			02/03/20 13:04	1
1,2-Dichlorotetrafluoroethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 13:04	1
Chloromethane	0.50	U	0.50	0.11	ppb v/v			02/03/20 13:04	1
n-Butane	0.50	U	0.50	0.11	ppb v/v			02/03/20 13:04	1
Vinyl chloride	0.078	U	0.078	0.044	ppb v/v			02/03/20 13:04	1
1,3-Butadiene	0.20	U	0.20	0.057	ppb v/v			02/03/20 13:04	1
Bromomethane	0.20	U	0.20	0.051	ppb v/v			02/03/20 13:04	1
Chloroethane	0.50	U	0.50	0.054	ppb v/v			02/03/20 13:04	1
Bromoethene(Vinyl Bromide)	0.20	U	0.20	0.052	ppb v/v			02/03/20 13:04	1
Trichlorofluoromethane	0.20	U	0.20	0.060	ppb v/v			02/03/20 13:04	1
1,1,2-Trichlorotrifluoroethane	0.20	U	0.20	0.038	ppb v/v			02/03/20 13:04	1
1,1-Dichloroethene	0.050	U	0.050	0.039	ppb v/v			02/03/20 13:04	1
Acetone	5.0	U	5.0	1.2	ppb v/v			02/03/20 13:04	1
Isopropyl alcohol	5.0	U	5.0	0.48	ppb v/v			02/03/20 13:04	1
Carbon disulfide	0.50	U	0.50	0.074	ppb v/v			02/03/20 13:04	1
3-Chloropropene	0.50	U	0.50	0.064	ppb v/v			02/03/20 13:04	1
Methylene Chloride	0.50	U	0.50	0.27	ppb v/v			02/03/20 13:04	1
tert-Butyl alcohol	5.0	U	5.0	0.038	ppb v/v			02/03/20 13:04	1
Methyl tert-butyl ether	0.20	U	0.20	0.033	ppb v/v			02/03/20 13:04	1
trans-1,2-Dichloroethene	0.20	U	0.20	0.042	ppb v/v			02/03/20 13:04	1
n-Hexane	0.20	U	0.20	0.20	ppb v/v			02/03/20 13:04	1
1,1-Dichloroethane	0.20	U	0.20	0.041	ppb v/v			02/03/20 13:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151958/5
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl Ethyl Ketone (2-Butanone)	0.50	U	0.50	0.072	ppb v/v			02/03/20 13:04	1
cis-1,2-Dichloroethene	0.050	U	0.050	0.045	ppb v/v			02/03/20 13:04	1
Chloroform	0.20	U	0.20	0.032	ppb v/v			02/03/20 13:04	1
Tetrahydrofuran	5.0	U	5.0	0.066	ppb v/v			02/03/20 13:04	1
1,1,1-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 13:04	1
Cyclohexane	0.20	U	0.20	0.046	ppb v/v			02/03/20 13:04	1
Carbon tetrachloride	0.035	U	0.035	0.024	ppb v/v			02/03/20 13:04	1
2,2,4-Trimethylpentane	0.20	U	0.20	0.041	ppb v/v			02/03/20 13:04	1
Benzene	0.20	U	0.20	0.067	ppb v/v			02/03/20 13:04	1
1,2-Dichloroethane	0.20	U	0.20	0.032	ppb v/v			02/03/20 13:04	1
n-Heptane	0.20	U	0.20	0.056	ppb v/v			02/03/20 13:04	1
Trichloroethene	0.037	U	0.037	0.035	ppb v/v			02/03/20 13:04	1
Methyl methacrylate	0.50	U	0.50	0.033	ppb v/v			02/03/20 13:04	1
1,2-Dichloropropane	0.20	U	0.20	0.033	ppb v/v			02/03/20 13:04	1
1,4-Dioxane	5.0	U	5.0	0.084	ppb v/v			02/03/20 13:04	1
Bromodichloromethane	0.20	U	0.20	0.035	ppb v/v			02/03/20 13:04	1
cis-1,3-Dichloropropene	0.20	U	0.20	0.032	ppb v/v			02/03/20 13:04	1
4-Methyl-2-pentanone (Methyl isobutyl ketone)	0.50	U	0.50	0.036	ppb v/v			02/03/20 13:04	1
Toluene	0.20	U	0.20	0.11	ppb v/v			02/03/20 13:04	1
trans-1,3-Dichloropropene	0.20	U	0.20	0.039	ppb v/v			02/03/20 13:04	1
1,1,2-Trichloroethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 13:04	1
Tetrachloroethene	0.20	U	0.20	0.033	ppb v/v			02/03/20 13:04	1
Methyl Butyl Ketone (2-Hexanone)	0.50	U	0.50	0.048	ppb v/v			02/03/20 13:04	1
Dibromochloromethane	0.20	U	0.20	0.036	ppb v/v			02/03/20 13:04	1
1,2-Dibromoethane	0.20	U	0.20	0.049	ppb v/v			02/03/20 13:04	1
Chlorobenzene	0.20	U	0.20	0.056	ppb v/v			02/03/20 13:04	1
Ethylbenzene	0.20	U	0.20	0.063	ppb v/v			02/03/20 13:04	1
m,p-Xylene	0.50	U	0.50	0.10	ppb v/v			02/03/20 13:04	1
o-Xylene	0.20	U	0.20	0.048	ppb v/v			02/03/20 13:04	1
Styrene	0.20	U	0.20	0.040	ppb v/v			02/03/20 13:04	1
Bromoform	0.20	U	0.20	0.048	ppb v/v			02/03/20 13:04	1
Cumene	0.20	U	0.20	0.035	ppb v/v			02/03/20 13:04	1
1,1,2,2-Tetrachloroethane	0.20	U	0.20	0.042	ppb v/v			02/03/20 13:04	1
n-Propylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 13:04	1
4-Ethyltoluene	0.20	U	0.20	0.041	ppb v/v			02/03/20 13:04	1
1,3,5-Trimethylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 13:04	1
2-Chlorotoluene	0.20	U	0.20	0.042	ppb v/v			02/03/20 13:04	1
tert-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 13:04	1
1,2,4-Trimethylbenzene	0.20	U	0.20	0.044	ppb v/v			02/03/20 13:04	1
sec-Butylbenzene	0.20	U	0.20	0.035	ppb v/v			02/03/20 13:04	1
4-Isopropyltoluene	0.20	U	0.20	0.039	ppb v/v			02/03/20 13:04	1
1,3-Dichlorobenzene	0.20	U	0.20	0.11	ppb v/v			02/03/20 13:04	1
1,4-Dichlorobenzene	0.20	U	0.20	0.12	ppb v/v			02/03/20 13:04	1
Benzyl chloride	0.20	U	0.20	0.085	ppb v/v			02/03/20 13:04	1
n-Butylbenzene	0.20	U	0.20	0.039	ppb v/v			02/03/20 13:04	1
1,2-Dichlorobenzene	0.20	U	0.20	0.097	ppb v/v			02/03/20 13:04	1
1,2,4-Trichlorobenzene	0.50	U	0.50	0.22	ppb v/v			02/03/20 13:04	1
Hexachlorobutadiene	0.20	U	0.20	0.076	ppb v/v			02/03/20 13:04	1

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: MB 200-151958/5
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	0.50	U	0.50	0.17	ppb v/v			02/03/20 13:04	1

Lab Sample ID: LCS 200-151958/4
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	52.3	54.7		ug/m3		105	61 - 142
Chlorodifluoromethane	37.4	38.6		ug/m3		103	60 - 147
1,2-Dichlorotetrafluoroethane	74.0	75.2		ug/m3		102	71 - 141
Chloromethane	20.5	21.2		ug/m3		103	56 - 141
n-Butane	24.5	23.3		ug/m3		95	53 - 151
Vinyl chloride	25.5	26.5		ug/m3		104	61 - 135
1,3-Butadiene	21.5	23.9		ug/m3		111	58 - 139
Bromomethane	40.4	36.9		ug/m3		91	72 - 124
Chloroethane	27.9	27.0		ug/m3		97	68 - 130
Bromoethene(Vinyl Bromide)	44.0	44.3		ug/m3		101	75 - 125
Trichlorofluoromethane	58.5	56.1		ug/m3		96	70 - 129
1,1,2-Trichlorotrifluoroethane	81.8	77.9		ug/m3		95	70 - 121
1,1-Dichloroethene	40.4	37.8		ug/m3		93	68 - 120
Acetone	24.8	19.9		ug/m3		80	54 - 154
Isopropyl alcohol	25.0	24.5		ug/m3		98	53 - 142
Carbon disulfide	32.3	29.9		ug/m3		93	71 - 138
3-Chloropropene	33.6	29.9		ug/m3		89	50 - 150
Methylene Chloride	35.6	28.6		ug/m3		80	59 - 137
tert-Butyl alcohol	32.7	30.4		ug/m3		93	66 - 132
Methyl tert-butyl ether	38.1	35.9		ug/m3		94	70 - 127
trans-1,2-Dichloroethene	40.9	38.0		ug/m3		93	69 - 137
n-Hexane	36.9	33.0		ug/m3		89	63 - 138
1,1-Dichloroethane	41.6	37.8		ug/m3		91	66 - 130
Methyl Ethyl Ketone (2-Butanone)	30.5	27.4		ug/m3		90	72 - 124
cis-1,2-Dichloroethene	41.1	37.4		ug/m3		91	72 - 121
Chloroform	50.4	46.9		ug/m3		93	73 - 124
Tetrahydrofuran	28.9	27.8		ug/m3		96	60 - 149
1,1,1-Trichloroethane	56.3	55.0		ug/m3		98	72 - 127
Cyclohexane	35.2	33.7		ug/m3		96	76 - 124
Carbon tetrachloride	63.2	65.1		ug/m3		103	71 - 133
2,2,4-Trimethylpentane	47.4	45.4		ug/m3		96	68 - 131
Benzene	33.2	32.0		ug/m3		96	73 - 119
1,2-Dichloroethane	42.3	39.9		ug/m3		94	68 - 135
n-Heptane	42.2	38.9		ug/m3		92	60 - 142
Trichloroethene	55.3	54.3		ug/m3		98	73 - 122
Methyl methacrylate	41.8	40.8		ug/m3		98	73 - 129
1,2-Dichloropropane	47.8	45.5		ug/m3		95	69 - 128
1,4-Dioxane	37.1	35.8		ug/m3		97	66 - 129
Bromodichloromethane	68.9	71.2		ug/m3		103	75 - 127
cis-1,3-Dichloropropene	45.1	48.3		ug/m3		107	74 - 125

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151958/4
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (Methyl isobutyl ketone)	41.7	39.5		ug/m3		95	58 - 144
Toluene	38.4	36.0		ug/m3		94	75 - 122
trans-1,3-Dichloropropene	44.7	47.2		ug/m3		106	74 - 128
1,1,2-Trichloroethane	57.2	52.7		ug/m3		92	75 - 126
Tetrachloroethene	71.0	63.6		ug/m3		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	41.4	37.9		ug/m3		92	57 - 143
Dibromochloromethane	90.3	91.6		ug/m3		101	73 - 125
1,2-Dibromoethane	81.9	80.2		ug/m3		98	78 - 122
Chlorobenzene	48.3	45.4		ug/m3		94	76 - 119
Ethylbenzene	44.4	42.1		ug/m3		95	74 - 122
m,p-Xylene	86.8	85.5		ug/m3		98	76 - 121
o-Xylene	45.0	41.3		ug/m3		92	73 - 123
Styrene	43.8	44.9		ug/m3		103	74 - 125
Bromoform	106	110		ug/m3		103	53 - 149
Cumene	51.4	48.7		ug/m3		95	73 - 123
1,1,2,2-Tetrachloroethane	71.0	68.0		ug/m3		96	74 - 126
n-Propylbenzene	50.9	50.1		ug/m3		98	73 - 127
4-Ethyltoluene	50.4	52.1		ug/m3		103	75 - 129
1,3,5-Trimethylbenzene	51.6	49.4		ug/m3		96	72 - 126
2-Chlorotoluene	54.0	53.4		ug/m3		99	74 - 126
tert-Butylbenzene	57.1	55.8		ug/m3		98	71 - 125
1,2,4-Trimethylbenzene	51.3	50.8		ug/m3		99	71 - 129
sec-Butylbenzene	57.4	57.1		ug/m3		99	70 - 128
4-Isopropyltoluene	57.6	58.9		ug/m3		102	68 - 130
1,3-Dichlorobenzene	61.1	61.9		ug/m3		101	69 - 131
1,4-Dichlorobenzene	62.5	62.2		ug/m3		100	67 - 132
Benzyl chloride	52.6	60.9		ug/m3		116	60 - 136
n-Butylbenzene	57.7	62.9		ug/m3		109	65 - 137
1,2-Dichlorobenzene	64.7	65.8		ug/m3		102	68 - 129
1,2,4-Trichlorobenzene	81.5	89.6		ug/m3		110	50 - 150
Hexachlorobutadiene	116	124		ug/m3		107	58 - 130
Naphthalene	55.0	61.1		ug/m3		111	50 - 150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	11	11.1		ppb v/v		105	61 - 142
Chlorodifluoromethane	11	10.9		ppb v/v		103	60 - 147
1,2-Dichlorotetrafluoroethane	11	10.8		ppb v/v		102	71 - 141
Chloromethane	9.9	10.3		ppb v/v		103	56 - 141
n-Butane	10	9.79		ppb v/v		95	53 - 151
Vinyl chloride	10	10.4		ppb v/v		104	61 - 135
1,3-Butadiene	9.7	10.8		ppb v/v		111	58 - 139
Bromomethane	10	9.49		ppb v/v		91	72 - 124
Chloroethane	11	10.3		ppb v/v		97	68 - 130
Bromoethene(Vinyl Bromide)	10	10.1		ppb v/v		101	75 - 125
Trichlorofluoromethane	10	9.99		ppb v/v		96	70 - 129
1,1,2-Trichlorotrifluoroethane	11	10.2		ppb v/v		95	70 - 121
1,1-Dichloroethene	10	9.52		ppb v/v		93	68 - 120

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151958/4
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	10	8.37		ppb v/v		80	54 - 154
Isopropyl alcohol	10	9.96		ppb v/v		98	53 - 142
Carbon disulfide	10	9.61		ppb v/v		93	71 - 138
3-Chloropropene	11	9.56		ppb v/v		89	50 - 150
Methylene Chloride	10	8.23		ppb v/v		80	59 - 137
tert-Butyl alcohol	11	10.0		ppb v/v		93	66 - 132
Methyl tert-butyl ether	11	9.96		ppb v/v		94	70 - 127
trans-1,2-Dichloroethene	10	9.58		ppb v/v		93	69 - 137
n-Hexane	10	9.36		ppb v/v		89	63 - 138
1,1-Dichloroethane	10	9.35		ppb v/v		91	66 - 130
Methyl Ethyl Ketone (2-Butanone)	10	9.29		ppb v/v		90	72 - 124
cis-1,2-Dichloroethene	10	9.42		ppb v/v		91	72 - 121
Chloroform	10	9.60		ppb v/v		93	73 - 124
Tetrahydrofuran	9.8	9.43		ppb v/v		96	60 - 149
1,1,1-Trichloroethane	10	10.1		ppb v/v		98	72 - 127
Cyclohexane	10	9.78		ppb v/v		96	76 - 124
Carbon tetrachloride	10	10.4		ppb v/v		103	71 - 133
2,2,4-Trimethylpentane	10	9.72		ppb v/v		96	68 - 131
Benzene	10	10.0		ppb v/v		96	73 - 119
1,2-Dichloroethane	10	9.85		ppb v/v		94	68 - 135
n-Heptane	10	9.50		ppb v/v		92	60 - 142
Trichloroethene	10	10.1		ppb v/v		98	73 - 122
Methyl methacrylate	10	9.97		ppb v/v		98	73 - 129
1,2-Dichloropropane	10	9.84		ppb v/v		95	69 - 128
1,4-Dioxane	10	9.94		ppb v/v		97	66 - 129
Bromodichloromethane	10	10.6		ppb v/v		103	75 - 127
cis-1,3-Dichloropropene	9.9	10.6		ppb v/v		107	74 - 125
4-Methyl-2-pentanone (Methyl isobutyl ketone)	10	9.65		ppb v/v		95	58 - 144
Toluene	10	9.56		ppb v/v		94	75 - 122
trans-1,3-Dichloropropene	9.8	10.4		ppb v/v		106	74 - 128
1,1,2-Trichloroethane	10	9.65		ppb v/v		92	75 - 126
Tetrachloroethene	10	9.38		ppb v/v		90	70 - 125
Methyl Butyl Ketone (2-Hexanone)	10	9.26		ppb v/v		92	57 - 143
Dibromochloromethane	11	10.8		ppb v/v		101	73 - 125
1,2-Dibromoethane	11	10.4		ppb v/v		98	78 - 122
Chlorobenzene	10	9.86		ppb v/v		94	76 - 119
Ethylbenzene	10	9.70		ppb v/v		95	74 - 122
m,p-Xylene	20	19.7		ppb v/v		98	76 - 121
o-Xylene	10	9.52		ppb v/v		92	73 - 123
Styrene	10	10.5		ppb v/v		103	74 - 125
Bromoform	10	10.6		ppb v/v		103	53 - 149
Cumene	10	9.91		ppb v/v		95	73 - 123
1,1,2,2-Tetrachloroethane	10	9.90		ppb v/v		96	74 - 126
n-Propylbenzene	10	10.2		ppb v/v		98	73 - 127
4-Ethyltoluene	10	10.6		ppb v/v		103	75 - 129
1,3,5-Trimethylbenzene	10	10.0		ppb v/v		96	72 - 126

Method: TO-15 - Volatile Organic Compounds in Ambient Air (Continued)

Lab Sample ID: LCS 200-151958/4
Matrix: Air
Analysis Batch: 151958

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorotoluene	10	10.3		ppb v/v		99	74 - 126
tert-Butylbenzene	10	10.2		ppb v/v		98	71 - 125
1,2,4-Trimethylbenzene	10	10.3		ppb v/v		99	71 - 129
sec-Butylbenzene	10	10.4		ppb v/v		99	70 - 128
4-Isopropyltoluene	10	10.7		ppb v/v		102	68 - 130
1,3-Dichlorobenzene	10	10.3		ppb v/v		101	69 - 131
1,4-Dichlorobenzene	10	10.3		ppb v/v		100	67 - 132
Benzyl chloride	10	11.8		ppb v/v		116	60 - 136
n-Butylbenzene	11	11.5		ppb v/v		109	65 - 137
1,2-Dichlorobenzene	11	10.9		ppb v/v		102	68 - 129
1,2,4-Trichlorobenzene	11	12.1		ppb v/v		110	50 - 150
Hexachlorobutadiene	11	11.6		ppb v/v		107	58 - 130
Naphthalene	10	11.7		ppb v/v		111	50 - 150

QC Association Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Air - GC/MS VOA

Analysis Batch: 151696

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52315-1	SV-05_20200121	Total/NA	Air	TO-15	
200-52315-1 - DL	SV-05_20200121	Total/NA	Air	TO-15	
200-52315-2	SV-02_20200121	Total/NA	Air	TO-15	
200-52315-2 - DL	SV-02_20200121	Total/NA	Air	TO-15	
MB 200-151696/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-151696/4	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 151871

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52391-1	SV-01_20200124	Total/NA	Air	TO-15	
200-52391-2	SV-03_20200124	Total/NA	Air	TO-15	
200-52391-2 - DL	SV-03_20200124	Total/NA	Air	TO-15	
200-52391-3	SV-04_20200124	Total/NA	Air	TO-15	
200-52391-4	SV-06_20200124	Total/NA	Air	TO-15	
MB 200-151871/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-151871/6	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 151908

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52391-3 - DL	SV-04_20200124	Total/NA	Air	TO-15	
MB 200-151908/4	Method Blank	Total/NA	Air	TO-15	
LCS 200-151908/3	Lab Control Sample	Total/NA	Air	TO-15	

Analysis Batch: 151958

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52391-5	SV-07_20200124	Total/NA	Air	TO-15	
200-52391-5 - DL	SV-07_20200124	Total/NA	Air	TO-15	
200-52391-6	SV-08_20200124	Total/NA	Air	TO-15	
200-52391-6 - DL	SV-08_20200124	Total/NA	Air	TO-15	
200-52391-7	SV-09_20200124	Total/NA	Air	TO-15	
MB 200-151958/5	Method Blank	Total/NA	Air	TO-15	
LCS 200-151958/4	Lab Control Sample	Total/NA	Air	TO-15	

Lab Chronicle

Client: AKRF Inc
Job ID: 200-52315-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SV-05_20200121
Lab Sample ID: 200-52315-1
Date Collected: 01/21/20 04:40
Matrix: Air
Date Received: 01/22/20 10:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151696	01/23/20 17:24	GGG	TAL BUR
Total/NA	Analysis	TO-15	DL	4	151696	01/23/20 18:13	GGG	TAL BUR

Client Sample ID: SV-02_20200121
Lab Sample ID: 200-52315-2
Date Collected: 01/21/20 05:00
Matrix: Air
Date Received: 01/22/20 10:38

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151696	01/23/20 19:03	GGG	TAL BUR
Total/NA	Analysis	TO-15	DL	4	151696	01/23/20 19:53	GGG	TAL BUR

Client Sample ID: SV-01_20200124
Lab Sample ID: 200-52391-1
Date Collected: 01/24/20 12:10
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151871	01/31/20 01:10	A1B	TAL BUR

Client Sample ID: SV-03_20200124
Lab Sample ID: 200-52391-2
Date Collected: 01/24/20 13:45
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		260	151871	01/31/20 05:01	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	1270	151871	01/31/20 05:56	A1B	TAL BUR

Client Sample ID: SV-04_20200124
Lab Sample ID: 200-52391-3
Date Collected: 01/24/20 12:20
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151871	01/31/20 02:09	A1B	TAL BUR
Total/NA	Analysis	TO-15	DL	20	151908	01/31/20 13:52	TPB	TAL BUR

Client Sample ID: SV-06_20200124
Lab Sample ID: 200-52391-4
Date Collected: 01/24/20 13:20
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151871	01/31/20 04:05	A1B	TAL BUR

Lab Chronicle

Client: AKRF Inc
Job ID: 200-52315-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SV-07_20200124
Lab Sample ID: 200-52391-5
Date Collected: 01/24/20 14:28
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151958	02/03/20 20:32	K1P	TAL BUR
Total/NA	Analysis	TO-15	DL	10	151958	02/03/20 21:22	K1P	TAL BUR

Client Sample ID: SV-08_20200124
Lab Sample ID: 200-52391-6
Date Collected: 01/24/20 14:00
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151958	02/03/20 22:11	K1P	TAL BUR
Total/NA	Analysis	TO-15	DL	3.03	151958	02/03/20 23:01	K1P	TAL BUR

Client Sample ID: SV-09_20200124
Lab Sample ID: 200-52391-7
Date Collected: 01/24/20 14:30
Matrix: Air
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	TO-15		1	151958	02/03/20 23:51	K1P	TAL BUR

Laboratory References:
TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 200-52315-1
Project/Site: 1100 Myrtle Ave, Brookyln

Laboratory: Eurofins TestAmerica, Burlington

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New Jersey	NELAP	VT972	06-30-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
TO-15		Air	4-Isopropyltoluene
TO-15		Air	Chlorodifluoromethane
TO-15		Air	m,p-Xylene
TO-15		Air	n-Butane
TO-15		Air	n-Butylbenzene
TO-15		Air	n-Propylbenzene
TO-15		Air	sec-Butylbenzene
TO-15		Air	tert-Butylbenzene

Method Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Method	Method Description	Protocol	Laboratory
TO-15	Volatile Organic Compounds in Ambient Air	EPA	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52315-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52315-1	SV-05_20200121	Air	01/21/20 04:40	01/22/20 10:38	Air Canister (6-Liter) #5895
200-52315-2	SV-02_20200121	Air	01/21/20 05:00	01/22/20 10:38	Air Canister (6-Liter) #3457
200-52391-1	SV-01_20200124	Air	01/24/20 12:10	01/28/20 10:30	Air Canister (6-Liter) #5095
200-52391-2	SV-03_20200124	Air	01/24/20 13:45	01/28/20 10:30	Air Canister (6-Liter) #4451
200-52391-3	SV-04_20200124	Air	01/24/20 12:20	01/28/20 10:30	Air Canister (6-Liter) #3087
200-52391-4	SV-06_20200124	Air	01/24/20 13:20	01/28/20 10:30	Air Canister (6-Liter) #3464
200-52391-5	SV-07_20200124	Air	01/24/20 14:28	01/28/20 10:30	Air Canister (6-Liter) #5106
200-52391-6	SV-08_20200124	Air	01/24/20 14:00	01/28/20 10:30	Air Canister (6-Liter) #3271
200-52391-7	SV-09_20200124	Air	01/24/20 14:30	01/28/20 10:30	Air Canister (6-Liter) #5047

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (℃)	Pressure Gauge ID	Analyst
200-52315	01/22/20	14:53	30.3	24	G17	ZK

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		No	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		No	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-52315-A-1	5895	-4.7	N	4766	84/25	Y	2598-39463	2HOUR
200-52315-A-2	3457	-6.1	N	5217	84/29	Y	2598-39463	2HOUR

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

Flow Controller (FC) Set Flow Rate and Pressure Gauge Leak Check Record

Pre-Shipment Check							Post-Sampling Check (PSC)						
Date Performed	Analyst	Temp (°C)	BP ("Hg)	FM ID			PSC is performed when pressure of a canister is not within criteria and the FC used for sampling was returned with the canister (in same shipment)						
12/27/19	SML	22.0	29.7	F9									
FC ID	Sampling Time	Flow Rate	Control Gauge Initial ("Hg)	Control Gauge Final ("Hg)	FC Gauge Initial ("Hg)	FC Gauge Final ("Hg)	Flow Rate	Control Gauge Initial ("Hg)	Control Gauge Final ("Hg)	FC Gauge Initial ("Hg)	FC Gauge Final ("Hg)	PSC Code	Shipping Order
3738	2hr	40.0	26	26	26	26							
2929		39.9	26	26	27	27							
5195		40.5	26	26	26	26							
4766		39.7	26	26	25	25							
5217		40.4	26	26	25	25							
4745		39.8	26	26	22	22							
4648		40.0	26	26	25	25	40.5	27	27	25	25	1	
4523		40.1	26	26	28	28							
4997		40.1	26	26	26	26							
3133		40.1	26	26	27	27							
3937 (S 12/28/19)	2hr	40.4	26	26	25	25							
3717 ~~3060~~		39.8	26	26	26	26							
3240		40.2	26	26	28	28							
4742 (S 12/28/19)		40.3	26	26	28	28							
~~3650~~ 3125		40.4	26	26	25	25							
3118		40.4	26	26	25	25							
2835		40.2	26	26	25	25							
2528		40.0	26	26	28	28							
3060	4hr	20.2	26	26	26	26							

Pre-Shipment Criteria:

The pre-shipment flow rate must be within the range specified in the set flow rate table for the sampling time requested.

The difference between initial and final pressure readings for the control gauge and the FC gauge must be zero.

6L Canister: Set Flow Rates for Various Sampling Times (mL/min)

Time	30 min	50 min	1 hour	2 hour	4 hour	6 hour	8 hour	10 hour	12 hour	16 hour	24 hour	24 hour (W)
Flow Rate	150-195	95-105	79-81	39.5-40.5	19.5-20.5	13.3-13.7	9.8-10.2	7.8-8.2	6.5-6.9	4.9-5.1	3.2-3.4	2.7-2.9

NA = Sampling Time is not applicable to canister size W=Winter Setting

1L Canister: Set Flow Rates for Various Sampling Times (mL/min)

Time	5 min*	10 min*	20 min*	40 min*	1 hour*	2 hour*	4 hour*
Flow Rate	150-195	95-105	39.5-40.5	19.5-20.5	13.3-13.7	6.5-6.9	3.2-3.4
**6L equivalent*	*30 min*	*50 min*	*2 hour*	*4 hour*	*6 hour*	*12 hour*	*24 hour*

Post Sampling Check Supporting Information:

Code	Date	Analyst	Temp (°C)	BP ("Hg)	FM ID	Code	Date	Analyst	Temp (°C)	BP ("Hg)	FM ID
1	1/28/2020	TM	23	29.4	F9	5					
2						6					
3						7					
4						8					

Post-Sampling Air Canister Pressure Check Record

Login # (w/ Location Code)	Date	Time (Military)	Lab BP ("Hg)	Lab Temp (℃)	Pressure Gauge ID	Analyst
200-52391	01/28/20	13:49	29.4	23	G17	TM

Sampling Information and Return Equipment Check	Yes	No	Comments
(1) Is a Field Test Data Sheet (FTDS) or similar sampling documentation present?	Yes		
(2) Is the flow controller ID used for each canister recorded?	Yes		
(3) MA MCP & NJ DKQP: Check return flow rate for flow controllers		No	
(4) Is visible sign of damage to canister and/or flow controller (FC) present?		No	
If damage observed, list equipment IDs and describe condition:			

Post-Sampling Return Pressure Check

Lab ID	Canister ID	Pressure[1] ("Hg)	Anomaly[2] (Y/N)	FC ID[3]	FC Check[4] Reference	FC Return (Y/N)	Can Cert Batch ID	Comments
200-52391-A-1	5095	-8.2	N	4997	84/29	Y	2598-39463	
200-52391-A-2	4451	-8.6	N	5195	84/29	Y	2598-39463	
200-52391-A-3	3087	-8.6	N	3133	84/29	Y	2598-39463	
200-52391-A-4	3464	-5.3	N	4523	84/29	Y	2598-39463	
200-52391-A-5	5106	-10.5	Y	4048	84/29	Y	2598-39463	
200-52391-A-6	3271	-7.4	N	3738	84/29	Y	2598-39463	
200-52391-A-7	5047	-8.4	N	2929	84/29	Y	2598-39463	

[1] Criteria: Return Pressure should be between -1 and -10 ("Hg) with the exception of grab samples or those using 100 or 200mL/minute flow controllers. These samples must be returned at no lower than -10"Hg, but have no specific criteria otherwise.

[2] If return pressure is not within criteria, initiate Non-Conformance Memo.

[3] Record the ID of the FC used for sampling if information is provided, otherwise leave blank.

[4] Record the Flow Controller Set Flow Rate Logbook ID and Page number in which the original FC Check was recorded

TestAmerica Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

NYC 222

Canister Samples Chain of Custody

200-52315 Chain of Custody

Test America Laboratories, Inc. assumes no liability with respect to the collection and shipment

tAmerica
DER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

Client Contact Information	**Client Project Manager:** Ken Wiles	**Samples Collected By:**
Company Name: AKRF	Phone:	
Address: 440 Park Ave South	Email: kwiles@AKRF.com	
City/State/Zip NY NY 10016		
Phone:	Site Contact: Matt Ley	
FAX:	Tel/Fax 646 388 9565	
Project Name: 1100 Myrtle Ave	**Anaylsis Turnaround Time**	
Site/Location: 1100 Myrtle Ave	Standard (Specific): X	
P O # 190458	Rush (Specifiy):	

COC No: 1 of 1 COCs

For Lab Use Only:
Walk-in Client:
Lab Sampling:

Job / SDG No.:
(See below for Add'l Items)

Sample Identification	Sample Date(s)	Time Start	Time Stop	Canister Vacuum in Field, 'Hg (Start)'	Canister Vacuum in Field, 'Hg (Stop)'	Flow Controller ID	Canister ID	TO-14A (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SV-05_20200121	1/21	0305	0440	-30	-6	4766	5895	X														
SV-02_20200121	1/21	0345	0500	-28	-8	5217	3457	X														

Temperature (Fahrenheit)				
Start	Interior 60	Ambient 25		
Stop	100	20		
Pressure (inches of Hg)				
Start	Interior 30.5	Ambient 30.5		
Stop	30.5	30.5		

Special Instructions/QC Requirements & Comments:
Keep SDG open

Samples Shipped by:	**Date / Time:**	**Samples Received by:**	
Samples Relinquished by:	**Date / Time:** 1/21	**Received by:** Emmanuelle Menou	
Relinquished by: Emmanuelle Menou	**Date / Time:** 1/21/20 2:55pm	**Received by:**	
Lab Use Only:	**Shipper Name:**	**Opened by:**	**Condition:**

Form No. CA-C-WI-003, Rev. 2.5, dated 9/22/2017

Ken Wiles 1/21/20 1830
Ken Wiles 1/21/20 1900
Ken Wiles 1/21/20 1830
1/22/20 10:38
TA-BRL


eurofins
Environment Testing
TestAmerica
ORIGIN ID:LOJA (732) 549-3900
KENNETH RIVERA
EUROFINS TESTAMERICA EDISON
777 NEW DURHAM ROAD
EDISON, NJ 08817
UNITED STATES US
SHIP DATE: 21JAN20
ACTWGT: 16.00 LB MAN
CAD: 0358159/CAFE3311
BILL RECIPIENT
TO SAMPLE CUSTODY
TEST AMERICA BURLINGTON
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON VT 05403
(802) 655-1203
INV:
PO:
REF:
DEPT:
FedEx
Express
2 of 4
MPS# 0263 1161 6399 9282
Mstr# 1161 6399 9271
0201
WED - 22 JAN 3:00P
STANDARD OVERNIGHT
NL BTVA
05403
VT-US BTV

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403-6809
phone 802.660.1990 fax 802.660.1919

Canister Samples Chain of Custody Record

TestAmerica Laboratories, Inc. assumes no liability with respect to the collection and shipment of these samples.

eurofins Environment Testing TestAmerica

TestAmerica Laboratories, Inc. d/b/a Eurofins TestAmerica

Client Contact Information	**Client Project Manager:** Ken Wiles	**Samples Collected By:** Matthew Lowy	COC No: 1 of 1 COCs
Company Name: AHRF	Phone:		TALS Project #:
Address: 440 Park Ave South	Email: kwiles@AHRF.com		**For Lab Use Only:**
City/State/Zip New York NY 10016			Walk-in Client:
Phone:	Site Contact: M Lowy		Lab Sampling:
FAX:	Tel/Fax 646 388 5565		Job / SDG No.:
Project Name: 1100 Myrtle Ave	**Analysis Turnaround Time**		(See below for Add'l Items)
Site/Location: 1100 Myrtle Ave, Brooklyn, NY	Standard (Specific): X		
P O # 190458	Rush (Specifiy):		

Sample Identification	Sample Start Date	Time Start	Sample End Date	Time Stop	Canister Vacuum in Field, "Hg (Start)	Canister Vacuum in Field, "Hg (Stop)	Flow Controller ID	Canister ID	TO-14A (Standard / Low Level)	TO-15 SIM	EPA 3C	EPA 25C	ASTM D-1946	EPA 15/16	Other (Please specify in notes section)	Sample Type	Indoor Air/Ambient Air	Sub-Slab	Soil Gas	Soil Vapor Extraction (SVE)	Landfill Gas	Other (Please specify in notes section)	Sample Specific Notes:
SV-01_20200124	1/24	1010	1/24	1210	-30	-10	4997	5095	X														
SV-03_20200124	1/24	1230		1345	-30	-10	5195	4451	X														
SV-04_20200124	1/24	1030		1220	-30	-10	3133	3087	X														
SV-06_20200124	1/24	1050		1320	-30	-10	4523	3464	X														
SV-07_20200124	1/24	1311		1428	-30	-10	4048	5106	X														
SV-08_20200124	1/24	1258		1400	-30	-10	3738	3271	X														
SV-09_20200124	1/24	1315		1430	-30	-10	2929	5047	X														

200-52391 Chain of Custody

Temperature (Fahrenheit)			
Start	Interior	Ambient	
Stop			

Pressure (inches of Hg)			
Start	Interior	Ambient	
Stop			

Special Instructions/QC Requirements & Comments:

Samples Shipped by: AAA	**Date / Time:** 1/24/20 1630	**Samples Received by:**	
Samples Relinquished by:	**Date / Time:** 1/24/20 18:05	**Received by:**	
Relinquished by:	**Date / Time:** 01/27/20 14:00	**Received by:** SamHall TABurl 1/28/2020 1030	
Lab Use Only:	**Shipper Name:**	**Opened by:**	**Condition:**



After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

ORIGIN ID:AIVA (846) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 27JAN20
ACTWGT: 35.00 LB
CAD: 112977992/INET4220

BILL RECIPIENT

TO **SAMPLING RECEIVING BVT**
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
INV:
PO:
REF:
DEPT

568J2/DF82/FE4A

FedEx Express

J2010200110TUW

TUE - 28 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 1154 6260
MASTER

NL BTVA

05403
BTV
VT-US

1 of 2

After printing this label:
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.
2. Fold the printed page along the horizontal line.
3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping. Using a photocopy of this label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-52315-1

Login Number: 52315
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-52315-1

Login Number: 52391
List Number: 1
Creator: Mohn, Taylor J

List Source: Eurofins TestAmerica, Burlington

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

Pre-Shipment Clean Canister Certification Report

Canister Cleaning & Pre-Shipment Leak Test

System ID	Max DF#	# Cycles	Cleaning Start Date/Time		System Start Temp(s):		Technician	Can Size	Certification Type:
Bottom Rack	10	25	12/23/2019	1131	21	21	SML	6 liter	batch

Port	Can ID	Initial[1] (psia)	Final (psia)	Diff.[3]	Final ("Hg)	Initial Reading Gauge:	Date:	Time:	Tech:	Temp:	Final Reading Gauge:	Date:	Time:	Tech:	Temp:
1	2864	101	105	104	29.9	G26	12/24/19	1019	SML	22.0	G26	1/14/20	1329	SM	22.0
2	2598	101	101	0	29.7	G26	1/14/20	1401	SM	22.0	G26	1/15/20	1411	SM	22.0
3	3411	101	101	0	29.9	G26	12/24/19	1619	SM	22.0	G26	1/14/20	1329	SM	22.0
4	3271	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
5	5047	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
6	5895	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
7	5095	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
8	4451	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
9	3464	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
10	3087	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
11	3457	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"
12	5106	"	101	0	29.9	G26	"	"	"	"	G26	"	"	"	"

[1] Batch Certification: The reading is taken on the "batch" canister and this value is used as the initial pressure for all canisters in the batch.

[3] Difference = Final Pressure - Initial Pressure . Acceptance Criteria: (1) The difference must be less than or equal to + 0.25psi. (2) Pressure readings must be at least 24 hours apart.

If time frame was not met, the PM must authorize shipment of canister **PM Authorization** **Date:**

Clean Canister Certification Analysis & Authorization of Release to Inventory

Test Method: ☒ TO15 Routine ☐ TO15 LL

Can ID	Date	Sequence	Analyst	Inventory Level 1	2	3	4	Secondary Review Limited	Review Date	Reviewer
2598	1/06/20	39463	GGG		XXXXX				1/6/20	JDB

Inventory Level 1: Individual Canister Certification (TO15LL 0.01).

Inventory Level 2: Individual or Batch Certification (TO15 0.04 ppbv).

Inventory Level 3: Individual or Batch Certification (TO15 0.2 ppbv).

Inventory Level Limited: Canisters may only be used for certain projects.

Dup Tees/Vac gauges (enter IDs if included):

Comments:

Form ID: FAI023:12
Revision Date: 12/18/2018

200-52008-A-2
2598
Location: Air-Storage
Bottle: Summa Canister 6L
Sampled: 12/23/2019 12:00 AM 200-1352050

Loc: 200
52008
#2
A

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52008-1

SDG No.:

Client Sample ID: 2598 Lab Sample ID: 200-52008-2

Matrix: Air Lab File ID: 39463-005.D

Analysis Method: TO-15 Date Collected: 12/23/2019 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/06/2020 11:21

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 151198 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
115-07-1	Propylene	1.0	U	1.0	1.0
75-71-8	Dichlorodifluoromethane	0.10	U	0.10	0.10
75-45-6	Freon 22	0.10	U	0.10	0.10
76-14-2	1,2-Dichlorotetrafluoroethane	0.040	U	0.040	0.040
74-87-3	Chloromethane	0.10	U	0.10	0.10
106-97-8	n-Butane	0.10	U	0.10	0.10
75-01-4	Vinyl chloride	0.040	U	0.040	0.040
106-99-0	1,3-Butadiene	0.040	U	0.040	0.040
74-83-9	Bromomethane	0.040	U	0.040	0.040
75-00-3	Chloroethane	0.10	U	0.10	0.10
593-60-2	Bromoethene(Vinyl Bromide)	0.040	U	0.040	0.040
75-69-4	Trichlorofluoromethane	0.040	U	0.040	0.040
64-17-5	Ethanol	1.0	U	1.0	1.0
76-13-1	Freon TF	0.040	U	0.040	0.040
75-35-4	1,1-Dichloroethene	0.040	U	0.040	0.040
67-64-1	Acetone	1.0	U	1.0	1.0
67-63-0	Isopropyl alcohol	1.0	U	1.0	1.0
75-15-0	Carbon disulfide	0.10	U	0.10	0.10
107-05-1	3-Chloropropene	0.10	U	0.10	0.10
75-09-2	Methylene Chloride	0.10	U	0.10	0.10
75-65-0	tert-Butyl alcohol	1.0	U	1.0	1.0
1634-04-4	Methyl tert-butyl ether	0.040	U	0.040	0.040
156-60-5	trans-1,2-Dichloroethene	0.040	U	0.040	0.040
110-54-3	n-Hexane	0.040	U	0.040	0.040
75-34-3	1,1-Dichloroethane	0.040	U	0.040	0.040
108-05-4	Vinyl acetate	1.0	U	1.0	1.0
141-78-6	Ethyl acetate	1.0	U	1.0	1.0
78-93-3	Methyl Ethyl Ketone	0.10	U	0.10	0.10
156-59-2	cis-1,2-Dichloroethene	0.040	U	0.040	0.040
540-59-0	1,2-Dichloroethene, Total	0.080	U	0.080	0.080
67-66-3	Chloroform	0.040	U	0.040	0.040
109-99-9	Tetrahydrofuran	1.0	U	1.0	1.0
71-55-6	1,1,1-Trichloroethane	0.040	U	0.040	0.040
110-82-7	Cyclohexane	0.040	U	0.040	0.040
56-23-5	Carbon tetrachloride	0.040	U	0.040	0.040
540-84-1	2,2,4-Trimethylpentane	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52008-1

SDG No.:

Client Sample ID: 2598 Lab Sample ID: 200-52008-2

Matrix: Air Lab File ID: 39463-005.D

Analysis Method: TO-15 Date Collected: 12/23/2019 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/06/2020 11:21

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 151198 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
71-43-2	Benzene	0.040	U	0.040	0.040
107-06-2	1,2-Dichloroethane	0.040	U	0.040	0.040
142-82-5	n-Heptane	0.040	U	0.040	0.040
79-01-6	Trichloroethene	0.040	U	0.040	0.040
80-62-6	Methyl methacrylate	0.10	U	0.10	0.10
78-87-5	1,2-Dichloropropane	0.040	U	0.040	0.040
123-91-1	1,4-Dioxane	1.0	U	1.0	1.0
75-27-4	Bromodichloromethane	0.040	U	0.040	0.040
10061-01-5	cis-1,3-Dichloropropene	0.040	U	0.040	0.040
108-10-1	methyl isobutyl ketone	0.10	U	0.10	0.10
108-88-3	Toluene	0.040	U	0.040	0.040
10061-02-6	trans-1,3-Dichloropropene	0.040	U	0.040	0.040
79-00-5	1,1,2-Trichloroethane	0.040	U	0.040	0.040
127-18-4	Tetrachloroethene	0.040	U	0.040	0.040
591-78-6	Methyl Butyl Ketone (2-Hexanone)	0.10	U	0.10	0.10
124-48-1	Dibromochloromethane	0.040	U	0.040	0.040
106-93-4	1,2-Dibromoethane	0.040	U	0.040	0.040
108-90-7	Chlorobenzene	0.040	U	0.040	0.040
100-41-4	Ethylbenzene	0.040	U	0.040	0.040
179601-23-1	m,p-Xylene	0.10	U	0.10	0.10
95-47-6	Xylene, o-	0.040	U	0.040	0.040
1330-20-7	Xylene (total)	0.14	U	0.14	0.14
100-42-5	Styrene	0.040	U	0.040	0.040
75-25-2	Bromoform	0.040	U	0.040	0.040
98-82-8	Cumene	0.040	U	0.040	0.040
79-34-5	1,1,2,2-Tetrachloroethane	0.040	U	0.040	0.040
103-65-1	n-Propylbenzene	0.040	U	0.040	0.040
622-96-8	4-Ethyltoluene	0.040	U	0.040	0.040
108-67-8	1,3,5-Trimethylbenzene	0.040	U	0.040	0.040
95-49-8	2-Chlorotoluene	0.040	U	0.040	0.040
98-06-6	tert-Butylbenzene	0.040	U	0.040	0.040
95-63-6	1,2,4-Trimethylbenzene	0.040	U	0.040	0.040
135-98-8	sec-Butylbenzene	0.040	U	0.040	0.040
99-87-6	4-Isopropyltoluene	0.040	U	0.040	0.040
541-73-1	1,3-Dichlorobenzene	0.040	U	0.040	0.040
106-46-7	1,4-Dichlorobenzene	0.040	U	0.040	0.040

FORM I
AIR - GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Burlington Job No.: 200-52008-1

SDG No.:

Client Sample ID: 2598 Lab Sample ID: 200-52008-2

Matrix: Air Lab File ID: 39463-005.D

Analysis Method: TO-15 Date Collected: 12/23/2019 00:00

Sample wt/vol: 1000(mL) Date Analyzed: 01/06/2020 11:21

Soil Aliquot Vol: Dilution Factor: 0.2

Soil Extract Vol.: GC Column: RTX-624 ID: 0.32(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 151198 Units: ppb v/v

CAS NO.	COMPOUND NAME	RESULT	Q	RL	RL
100-44-7	Benzyl chloride	0.040	U	0.040	0.040
104-51-8	n-Butylbenzene	0.040	U	0.040	0.040
95-50-1	1,2-Dichlorobenzene	0.040	U	0.040	0.040
120-82-1	1,2,4-Trichlorobenzene	0.10	U	0.10	0.10
87-68-3	Hexachlorobutadiene	0.040	U	0.040	0.040
91-20-3	Naphthalene	0.10	U	0.10	0.10

Eurofins TestAmerica, Burlington
Target Compound Quantitation Report

Data File: \\chromna\Burlington\ChromData\CHB.i\20200106-39463.b\39463-005.D
Lims ID: 200-52008-A-2
Client ID: 2598
Sample Type: Client
Inject. Date: 06-Jan-2020 11:21:30 ALS Bottle#: 5 Worklist Smp#: 5
Purge Vol: 200.000 mL Dil. Factor: 0.2000
Sample Info: 200-0039463-005
Misc. Info.: 52008-2
Operator ID: ggg Instrument ID: CHB.i

Method: \\chromna\Burlington\ChromData\CHB.i\20200106-39463.b\TO15_LLNJ_TO3.m
Limit Group: AI_TO15_ICAL
Last Update: 06-Jan-2020 10:09:30 Calib Date: 13-Dec-2019 10:47:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal/External Standard Quant By: Initial Calibration
Last ICal File: \\chromna\Burlington\ChromData\CHB.i\20191212-39216.b\39216-21.D

Column 1 : RTX-624 (0.32 mm) Det: MS SCAN
Process Host: CTX0317

First Level Reviewer: bourdeaut Date: 06-Jan-2020 12:17:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
1 Propene	41		3.161				ND	
2 Dichlorodifluoromethane	85		3.225				ND	
3 Chlorodifluoromethane	51		3.247				ND	
4 1,2-Dichloro-1,1,2,2-tetra	85		3.455				ND	
5 Chloromethane	50		3.540				ND	
7 Vinyl chloride	62		3.759				ND	
6 Butane	43		3.759				ND	
8 Butadiene	54		3.844				ND	
10 Bromomethane	94		4.453				ND	
11 Chloroethane	64		4.703				ND	
13 Vinyl bromide	106		5.130				ND	
14 Trichlorofluoromethane	101		5.291				ND	
16 Ethanol	45		5.621				ND	
20 1,1-Dichloroethene	96		6.422				ND	
19 1,1,2-Trichloro-1,2,2-trif	101		6.443				ND	
21 Acetone	43		6.481				ND	
22 Isopropyl alcohol	45		6.764				ND	
23 Carbon disulfide	76		6.886				ND	
24 3-Chloro-1-propene	41		7.180				ND	
27 Methylene Chloride	49		7.436				ND	
28 2-Methyl-2-propanol	59		7.607				ND	
29 Methyl tert-butyl ether	73		7.970				ND	
30 trans-1,2-Dichloroethene	61		7.986				ND	
32 Hexane	57	8.530	8.530	0.000	91	33318	0.1735	
34 Vinyl acetate	43		8.813				ND	
33 1,1-Dichloroethane	63		8.824				ND	
36 2-Butanone (MEK)	72		9.843				ND	
37 cis-1,2-Dichloroethene	96		9.886				ND	
35 Ethyl acetate	88		9.918				ND	
S 41 1,2-Dichloroethene, Total	61		10.000				ND	
* 39 Chlorobromomethane	128	10.323	10.323	0.000	87	885280	10.0	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ppb v/v	Flags
	38 Tetrahydrofuran	42		10.350				ND	
	40 Chloroform	83		10.494				ND	
	42 1,1,1-Trichloroethane	97		10.830				ND	
	43 Cyclohexane	84		10.969				ND	
	44 Carbon tetrachloride	117		11.113				ND	
	46 Benzene	78		11.476				ND	
	47 1,2-Dichloroethane	62		11.556				ND	
	45 Isooctane	57		11.679				ND	
	48 n-Heptane	43		11.988				ND	
*	50 1,4-Difluorobenzene	114	12.218	12.218	0.000	94	4472376	10.0	
	53 Trichloroethene	95		12.666				ND	
	54 1,2-Dichloropropane	63		13.146				ND	
	55 Methyl methacrylate	69		13.200				ND	
	56 1,4-Dioxane	88		13.253				ND	
	57 Dibromomethane	174		13.307				ND	
	58 Dichlorobromomethane	83		13.611				ND	
	60 cis-1,3-Dichloropropene	75		14.427				ND	
	61 4-Methyl-2-pentanone (MIBK	43		14.673				ND	
	64 Toluene	92	15.084	15.079	0.006	92	9420	0.0440	
	66 trans-1,3-Dichloropropene	75		15.484				ND	
	67 1,1,2-Trichloroethane	83		15.874				ND	
S	77 Xylenes, Total	106				0		0.0369	7
	68 Tetrachloroethene	166		16.071				ND	
	69 2-Hexanone	43		16.263				ND	
	70 Chlorodibromomethane	129		16.621				ND	
	71 Ethylene Dibromide	107		16.877				ND	
*	72 Chlorobenzene-d5	117	17.779	17.779	0.000	86	3441295	10.0	
	73 Chlorobenzene	112		17.843				ND	
	74 Ethylbenzene	91	18.025	18.025	0.001	98	24600	0.0529	
	76 m-Xylene & p-Xylene	106		18.286				ND	
	78 o-Xylene	106	19.023	19.023	0.001	99	6710	0.0369	
	79 Styrene	104		19.054				ND	
	80 Bromoform	173		19.385				ND	
	81 Isopropylbenzene	105		19.658				ND	
	83 1,1,2,2-Tetrachloroethane	83		20.143				ND	
	84 N-Propylbenzene	91		20.330				ND	
	88 2-Chlorotoluene	91		20.479				ND	
	87 4-Ethyltoluene	105		20.517				ND	
	89 1,3,5-Trimethylbenzene	105		20.602				ND	
	91 tert-Butylbenzene	119		21.066				ND	
	92 1,2,4-Trimethylbenzene	105		21.147				ND	
	93 sec-Butylbenzene	105		21.376				ND	
	95 1,3-Dichlorobenzene	146		21.557				ND	
	94 4-Isopropyltoluene	119		21.584				ND	
	96 1,4-Dichlorobenzene	146		21.702				ND	
	97 Benzyl chloride	91		21.851				ND	
	99 n-Butylbenzene	91		22.161				ND	
	100 1,2-Dichlorobenzene	146		22.214				ND	
	103 1,2,4-Trichlorobenzene	180		24.797				ND	
	104 Hexachlorobutadiene	225		25.048				ND	
	105 Naphthalene	128		25.325				ND	

QC Flag Legend

Processing Flags

7 - Failed Limit of Detection

Reagents:

ATTO15BISs_00007 Amount Added: 20.00 Units: mL Run Reagent

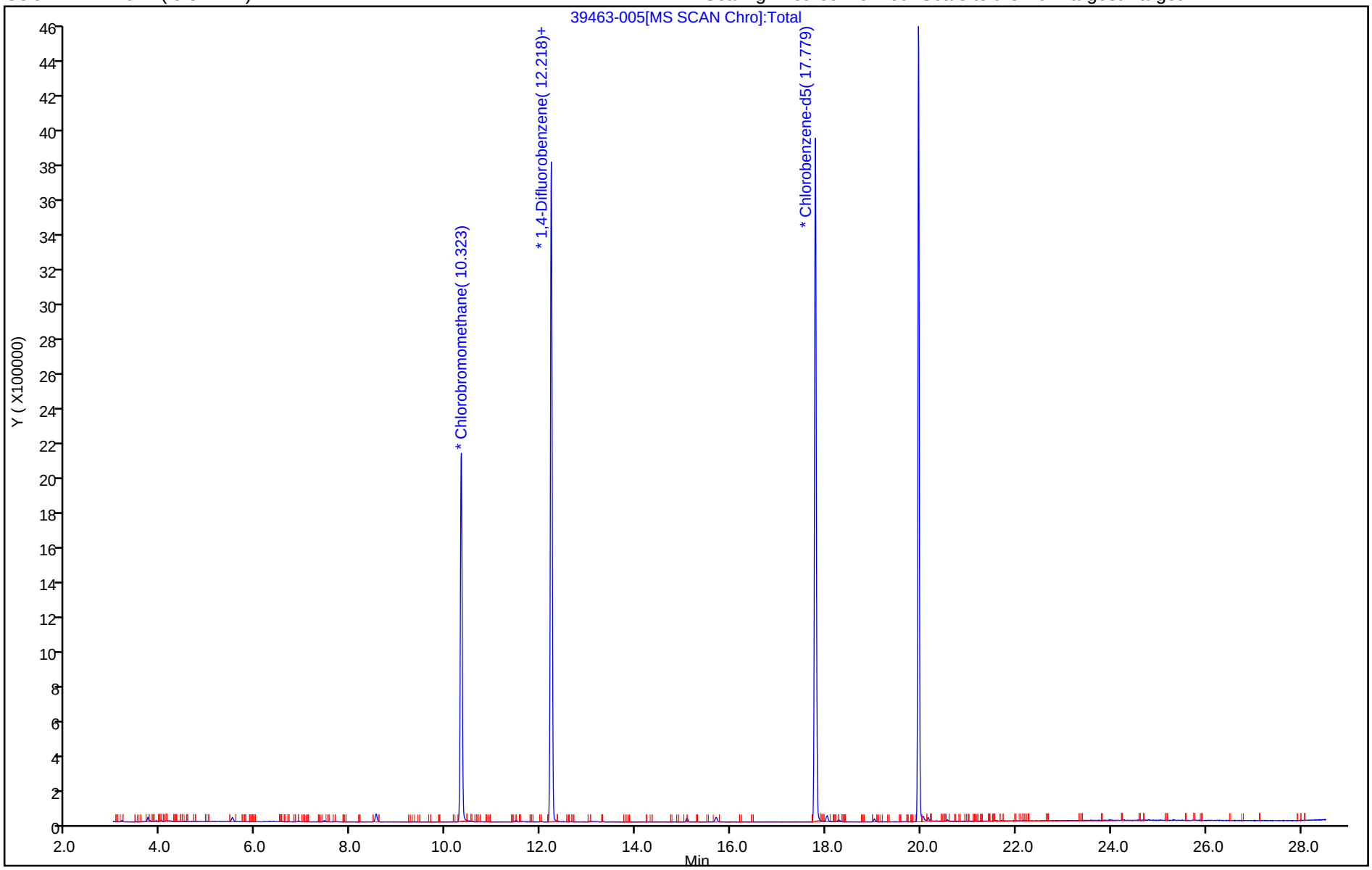
Report Date: 06-Jan-2020 12:17:13 Chrom Revision: 2.3 15-Dec-2019 06:20:02

Eurofins TestAmerica, Burlington

Data File: \\chromna\Burlington\ChromData\CHB.i\20200106-39463.b\39463-005.D

Injection Date:	06-Jan-2020 11:21:30	Instrument ID:	CHB.i	Operator ID:	ggg
Lims ID:	200-52008-A-2	Lab Sample ID:	200-52008-2	Worklist Smp#:	5
Client ID:	2598				
Purge Vol:	200.000 mL	Dil. Factor:	0.2000	ALS Bottle#:	5
Method:	TO15_LLNJ_TO3	Limit Group:	AI_TO15_ICAL		

Column: RTX-624 (0.32 mm) Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Summa Canister Dilution Worksheet

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job No.: 200-52315-1

Lab Sample ID	Canister Volume (L)	Preadjusted Pressure ("Hg)	Preadjusted Pressure (atm)	Preadjusted Volume (L)	Adjusted Pressure (psig)	Adjusted Pressure (atm)	Adjusted Volume (L)	Initial Volume (mL)	Dilution Factor	Final Dilution Factor	Pressure Gauge ID	Date	Analyst Initals
200-52391-2	6	44.1	0.80	4.78	44.1	4.00	24.00		5.02	5.02	g8	01/30/20 9:50	VTP
200-52391-2	6	16.3	1.00	6.00	16.3	2.11	12.65		2.11	10.60	g8	01/30/20 9:50	VTP
200-52391-2	6	40.3	1.00	6.00	40.3	3.74	22.45		3.74	39.64	g8	01/30/20 13:54	TPB
200-52391-2	6	20.5	1.00	6.00	20.5	2.39	14.37		2.39	94.93	g8	01/30/20 13:55	TPB

Formulae:

Preadjusted Volume (L) = (Preadjusted Pressure ("Hg) + 29.92 "Hg * Vol L) / 29.92 "Hg
Adjusted Volume (L) = (Adjusted Pressure (psig) + 14.7 psig * Vol L) / 14.7 psig
Dilution Factor = Adjusted Volume (L) / Preadjusted Volume (L)

Where:

29.92 "Hg = Standard atmospheric pressure in inches of Mercury (“Hg)
14.7 psig = Standard atmospheric pressure in pounds per square inch gauge (psig)

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-52390-1
Client Project/Site: 1100 Myrtle Ave, Brookyln

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Melissa Haas

Authorized for release by:
2/11/2020 5:02:44 PM

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

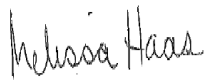
Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Melissa Haas
Senior Project Manager
2/11/2020 5:02:44 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 7
Client Sample Results 8
Isotope Dilution Summary 10
QC Sample Results 11
QC Association Summary 14
Lab Chronicle 15
Certification Summary 16
Method Summary 17
Sample Summary 18
Chain of Custody 19
Receipt Checklists 24

Definitions/Glossary

Client: AKRF Inc
Job ID: 200-52390-1
Project/Site: 1100 Myrtle Ave, Brookyln

Qualifiers

LCMS

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 200-52390-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 1100 Myrtle Ave, Brookyln

Report Number: 200-52390-1

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

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

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

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

RECEIPT

The samples were received on 01/28/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 2.5 C.

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

PERFLUORINATED HYDROCARBONS (PFC)

Sample SB-12_18-20_20200124 (200-52390-1) was analyzed for Perfluorinated Hydrocarbons (PFC) in accordance with PFC. The samples were prepared on 02/05/2020 and analyzed on 02/10/2020.

Method 537 (modified): The method blank for preparation batch 200-152078 and analytical batch 200-152174 contained Perfluorobutanesulfonic acid (PFBS), Perfluorohexanesulfonic acid (PFHxS) and Perfluorooctanoic acid (PFOA) above the method detection limit. This target analyte concentration was less than half the reporting limit (1/2RL); therefore, re-extraction and re-analysis of samples was not performed.

Method 537 (modified): The matrix spike / matrix spike duplicate (MS/MSD) precision for preparation batch 200-152078 and analytical batch 200-152174 was outside control limits for the following analytes: Perfluorobutanesulfonic acid (PFBS), Perfluoroheptanesulfonic Acid (PFHpS) and Perfluorotridecanoic acid (PFTriA). Sample matrix interference is suspected as the RPDs are all still below 30%.

Method 537 (modified): The matrix spike duplicate (MSD) recovery for the following sample associated with preparation batch 200-152078 and analytical batch 200-152174 was outside control limits for Perfluorotridecanoic acid (PFTriA): (200-52474-A-15-C MSD). The associated laboratory control sample (LCS) recovery met acceptance criteria.

Method 537 (modified): d5-NEtFOSAA Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following CCV(s): (CCV 200-152174/31) and (CCV 200-152174/42). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries; the recoveries of the associated target (N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)) pass CCV criteria in both standards, therefore the data has been reported. Since the elevated recoveries occurred after the analysis of samples within the analytical window that yielded elevated recoveries of d5-NEtFOSAA as well, it is believe the cause is based on a

Job ID: 200-52390-1 (Continued)

Laboratory: Eurofins TestAmerica, Burlington (Continued)

specific interference found in the sample matrix.

Method 537 (modified): 13C2 PFTeDA Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: (200-52474-A-15-C MSD). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample(s). All detection limits are below the lower calibration.

Perfluorobutanesulfonic acid (PFBS), Perfluorohexanesulfonic acid (PFHxS) and Perfluorooctanoic acid (PFOA) were detected in method blank MB 200-152078/1-A at levels that were above the method detection limit but below the reporting limit. The values should be considered estimates, and have been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged. Refer to the QC report for details.

No other difficulties were encountered during the Perfluorinated Hydrocarbons (PFC) analysis.

All other quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Sample SB-12_18-20_20200124 (200-52390-1) was analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/28/2020.

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

All quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Client Sample ID: SB-12_18-20_20200124

Lab Sample ID: 200-52390-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	0.034	J	0.20	0.018	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.033	J B	0.20	0.014	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluoroundecanoic acid (PFUnA)	0.024	J	0.20	0.024	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorododecanoic acid (PFDoA)	0.018	J	0.20	0.015	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotridecanoic acid (PFTriA)	0.015	J	0.20	0.013	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorotetradecanoic acid (PFTeA)	0.019	J	0.20	0.019	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.017	J B	0.20	0.0089	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.026	J B	0.20	0.015	ug/Kg	1	☼	537 (modified)	Total/NA
Perfluorooctanesulfonamide (PFOSA)	0.011	J	0.20	0.0089	ug/Kg	1	☼	537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Client Sample ID: SB-12_18-20_20200124
Date Collected: 01/24/20 07:30
Date Received: 01/28/20 10:30

Lab Sample ID: 200-52390-1
Matrix: Solid
Percent Solids: 97.6

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.19	U	0.51	0.19	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluoropentanoic acid (PFPeA)	**0.034**	**J**	0.20	0.018	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorohexanoic acid (PFHxA)	0.024	U	0.20	0.024	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluoroheptanoic acid (PFHpA)	0.023	U	0.20	0.023	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorooctanoic acid (PFOA)	**0.033**	**J B**	0.20	0.014	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorononanoic acid (PFNA)	0.020	U	0.20	0.020	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorodecanoic acid (PFDA)	0.021	U	0.20	0.021	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluoroundecanoic acid (PFUnA)	**0.024**	**J**	0.20	0.024	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorododecanoic acid (PFDoA)	**0.018**	**J**	0.20	0.015	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorotridecanoic acid (PFTriA)	**0.015**	**J**	0.20	0.013	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorotetradecanoic acid (PFTeA)	**0.019**	**J**	0.20	0.019	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorobutanesulfonic acid (PFBS)	**0.017**	**J B**	0.20	0.0089	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorohexanesulfonic acid (PFHxS)	**0.026**	**J B**	0.20	0.015	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.015	U	0.20	0.015	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorooctanesulfonic acid (PFOS)	0.068	U	0.20	0.068	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorodecanesulfonic acid (PFDS)	0.019	U	0.20	0.019	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
Perfluorooctanesulfonamide (PFOSA)	**0.011**	**J**	0.20	0.0089	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.034	U	2.02	0.034	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.030	U	2.02	0.030	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.022	U	2.02	0.022	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	0.029	U	2.02	0.029	ug/Kg	☼	02/05/20 09:41	02/10/20 16:02	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*101*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C4 PFHpA	*107*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C4 PFOA	*95*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C4 PFOS	*92*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C5 PFNA	*91*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C4 PFBA	*97*		*25 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C2 PFHxA	*97*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C2 PFDA	*100*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C2 PFUnA	*101*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C2 PFDoA	*96*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C8 FOSA	*96*		*25 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C5 PFPeA	*102*		*25 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C2 PFTeDA	*102*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
d3-NMeFOSAA	*103*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
d5-NEtFOSAA	*105*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
M2-6:2 FTS	*88*		*25 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
M2-8:2 FTS	*80*		*25 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*
13C3 PFBS	*93*		*50 - 150*	*02/05/20 09:41*	*02/10/20 16:02*	*1*

Client Sample Results

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Client Sample ID: SB-12_18-20_20200124
Date Collected: 01/24/20 07:30
Date Received: 01/28/20 10:30

Lab Sample ID: 200-52390-1
Matrix: Solid
Percent Solids: 97.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Solids	97.6		0.3	0.3	%			01/28/20 15:06	1

Isotope Dilution Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFHxS (50-150)	PFHpA (50-150)	PFOA (50-150)	PFOS (50-150)	PFNA (50-150)	PFBA (25-150)	PFHxA (50-150)	PFDA (50-150)
200-52390-1	SB-12_18-20_20200124	101	107	95	92	91	97	97	100
200-52474-A-15-B MS	Matrix Spike	86	89	90	88	92	83	83	90
200-52474-A-15-C MSD	Matrix Spike Duplicate	99	92	85	93	87	75	89	85
LCS 200-152078/2-A	Lab Control Sample	99	98	92	96	98	96	92	92
MB 200-152078/1-A	Method Blank	103	95	91	101	94	63	91	95

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDoA (50-150)	PFOSA (25-150)	PFPeA (25-150)	PFTDA (50-150)	-NMeFOS/ (50-150)	-NEtFOS/ (50-150)	M262FTS (25-150)
200-52390-1	SB-12_18-20_20200124	101	96	96	102	102	103	105	88
200-52474-A-15-B MS	Matrix Spike	96	83	64	85	55	78	98	107
200-52474-A-15-C MSD	Matrix Spike Duplicate	83	73	32	90	29 *	75	70	144
LCS 200-152078/2-A	Lab Control Sample	95	82	85	98	93	95	101	94
MB 200-152078/1-A	Method Blank	105	91	99	97	99	100	93	96

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M282FTS (25-150)	3C3-PFBS (50-150)						
200-52390-1	SB-12_18-20_20200124	80	93						
200-52474-A-15-B MS	Matrix Spike	144	88						
200-52474-A-15-C MSD	Matrix Spike Duplicate	132	97						
LCS 200-152078/2-A	Lab Control Sample	92	97						
MB 200-152078/1-A	Method Blank	87	96						

Surrogate Legend

PFHxS = 18O2 PFHxS
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOSA = 13C8 FOSA
PFPeA = 13C5 PFPeA
PFTDA = 13C2 PFTeDA
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
13C3-PFBS = 13C3 PFBS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-152078/1-A
Matrix: Solid
Analysis Batch: 152174

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 152078

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	0.19	U	0.50	0.19	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluoropentanoic acid (PFPeA)	0.018	U	0.20	0.018	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorohexanoic acid (PFHxA)	0.024	U	0.20	0.024	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluoroheptanoic acid (PFHpA)	0.023	U	0.20	0.023	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorooctanoic acid (PFOA)	0.0169	J	0.20	0.014	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorononanoic acid (PFNA)	0.020	U	0.20	0.020	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorodecanoic acid (PFDA)	0.021	U	0.20	0.021	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluoroundecanoic acid (PFUnA)	0.024	U	0.20	0.024	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorododecanoic acid (PFDoA)	0.015	U	0.20	0.015	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorotridecanoic acid (PFTriA)	0.013	U	0.20	0.013	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorotetradecanoic acid (PFTeA)	0.019	U	0.20	0.019	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorobutanesulfonic acid (PFBS)	0.0105	J	0.20	0.0088	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorohexanesulfonic acid (PFHxS)	0.0151	J	0.20	0.015	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.015	U	0.20	0.015	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorooctanesulfonic acid (PFOS)	0.067	U	0.20	0.067	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorodecanesulfonic acid (PFDS)	0.019	U	0.20	0.019	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
Perfluorooctanesulfonamide (PFOSA)	0.0088	U	0.20	0.0088	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	0.034	U	2.00	0.034	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	0.030	U	2.00	0.030	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	0.022	U	2.00	0.022	ug/Kg		02/05/20 09:41	02/10/20 15:45	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	0.029	U	2.00	0.029	ug/Kg		02/05/20 09:41	02/10/20 15:45	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*103*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C4 PFHpA	*95*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C4 PFOA	*91*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C4 PFOS	*101*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C5 PFNA	*94*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C4 PFBA	*63*		*25 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C2 PFHxA	*91*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C2 PFDA	*95*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C2 PFUnA	*105*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C2 PFDoA	*91*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C8 FOSA	*99*		*25 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C5 PFPeA	*97*		*25 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C2 PFTeDA	*99*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
d3-NMeFOSAA	*100*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
d5-NEtFOSAA	*93*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
M2-8:2 FTS	*87*		*25 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*
13C3 PFBS	*96*		*50 - 150*	*02/05/20 09:41*	*02/10/20 15:45*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-152078/2-A
Matrix: Solid
Analysis Batch: 152174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152078

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	2.00	1.893		ug/Kg		95	70 - 130
Perfluoropentanoic acid (PFPeA)	2.00	1.738		ug/Kg		87	70 - 130
Perfluorohexanoic acid (PFHxA)	2.00	1.835		ug/Kg		92	70 - 130
Perfluoroheptanoic acid (PFHpA)	2.00	1.895		ug/Kg		95	70 - 130
Perfluorooctanoic acid (PFOA)	2.00	1.992		ug/Kg		100	70 - 130
Perfluorononanoic acid (PFNA)	2.00	1.855		ug/Kg		93	70 - 130
Perfluorodecanoic acid (PFDA)	2.00	1.770		ug/Kg		89	70 - 130
Perfluoroundecanoic acid (PFUnA)	2.00	1.640		ug/Kg		82	70 - 130
Perfluorododecanoic acid (PFDoA)	2.00	2.143		ug/Kg		107	70 - 130
Perfluorotridecanoic acid (PFTriA)	2.00	2.057		ug/Kg		103	70 - 130
Perfluorotetradecanoic acid (PFTeA)	2.00	1.990		ug/Kg		100	70 - 130
Perfluorobutanesulfonic acid (PFBS)	1.77	1.771		ug/Kg		100	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.614		ug/Kg		89	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.879		ug/Kg		99	70 - 130
Perfluorooctanesulfonic acid (PFOS)	1.86	1.712		ug/Kg		92	70 - 130
Perfluorodecanesulfonic acid (PFDS)	1.93	1.684		ug/Kg		87	70 - 130
Perfluorooctanesulfonamide (PFOSA)	2.00	1.922		ug/Kg		96	70 - 130
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	2.00	2.147		ug/Kg		107	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	2.00	2.000		ug/Kg		100	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	1.90	1.812	J	ug/Kg		96	70 - 130
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	1.92	1.699	J	ug/Kg		89	70 - 130

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
18O2 PFHxS	*99*		*50 - 150*
13C4 PFHpA	*98*		*50 - 150*
13C4 PFOA	*92*		*50 - 150*
13C4 PFOS	*96*		*50 - 150*
13C5 PFNA	*98*		*50 - 150*
13C4 PFBA	*96*		*25 - 150*
13C2 PFHxA	*92*		*50 - 150*
13C2 PFDA	*92*		*50 - 150*
13C2 PFUnA	*95*		*50 - 150*
13C2 PFDoA	*82*		*50 - 150*
13C8 FOSA	*85*		*25 - 150*
13C5 PFPeA	*98*		*25 - 150*
13C2 PFTeDA	*93*		*50 - 150*
d3-NMeFOSAA	*95*		*50 - 150*
d5-NEtFOSAA	*101*		*50 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-152078/2-A
Matrix: Solid
Analysis Batch: 152174

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 152078

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	94		25 - 150
M2-8:2 FTS	92		25 - 150
13C3 PFBS	97		50 - 150

QC Association Summary

Client: AKRF Inc
Job ID: 200-52390-1
Project/Site: 1100 Myrtle Ave, Brookyln

LCMS

Prep Batch: 152078

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52390-1	SB-12_18-20_20200124	Total/NA	Solid	SHAKE	
MB 200-152078/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 200-152078/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 152174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52390-1	SB-12_18-20_20200124	Total/NA	Solid	537 (modified)	152078
MB 200-152078/1-A	Method Blank	Total/NA	Solid	537 (modified)	152078
LCS 200-152078/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	152078

General Chemistry

Analysis Batch: 151827

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52390-1	SB-12_18-20_20200124	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AKRF Inc
Job ID: 200-52390-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-12_18-20_20200124
Lab Sample ID: 200-52390-1
Date Collected: 01/24/20 07:30
Matrix: Solid
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	151827	01/28/20 15:06	MAP	TAL BUR

Client Sample ID: SB-12_18-20_20200124
Lab Sample ID: 200-52390-1
Date Collected: 01/24/20 07:30
Matrix: Solid
Date Received: 01/28/20 10:30
Percent Solids: 97.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			152078	02/05/20 09:41	JM1	TAL BUR
Total/NA	Analysis	537 (modified)		1	152174	02/10/20 16:02	BWC	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 200-52390-1
Project/Site: 1100 Myrtle Ave, Brookyln

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-23 *
Connecticut	State	PH-0751	09-30-19 *
Connecticut	State	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-15-20
Florida	NELAP	E87467	06-30-20
Minnesota	NELAP	050-999-436	12-31-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	06-30-20
New York	NELAP	10391	03-31-20
Pennsylvania	NELAP	68-00489	04-30-20
Rhode Island	State	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00272	08-09-20
Vermont	State	VT4000	12-31-20
Virginia	NELAP	460209	12-14-20

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
Moisture	Percent Moisture	EPA	TAL BUR
SHAKE	Shake Extraction with Ultrasonic Bath Extraction	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52390-1	SB-12_18-20_20200124	Solid	01/24/20 07:30	01/28/20 10:30	

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record

200-52390 Chain of Custody

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone:	E-Mail: melissa.haas@testamericainc.com	Page: Page of
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:	Analysis Requested	
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Special Instructions/Note:
SB-12-18-20_20200124	1/24/20	0730	G	S			X	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/24/20 1700	AKRF	[signature]	01/24/20 17:00	
2	[signature]	1/24/20 18:20		Taylor J. Holm	1/25/2020 1030	TAL BUR
3						

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: NA

Cooler Temperature(s) °C and Other Remarks: 2-5

Ver: 01/16/2019

Page 1 of 1

ORIGIN ID:AIVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 27JAN20
ACTWGT: 15.00 LB
CAD: 112977692/NET4220

BILL RECIPIENT

TO SAMPLING, RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990 REF
INV:
PO: DEPT

568J/2DF82/FE4A

FedEx Express

TUE - 28 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 1301 3625

NL BTVA

05403
VT-US BTV

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record



200-52390 Chain of Custody

eurofins

Client Information	Sampler:	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone:	E-Mail: melissa.haas@testamericainc.com	Page: Page of
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:		
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SB-12-18-20_20200124	1/24/20	0730	G	S			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	MNT	1/24/20 1700	AKRF		01/24/20 17:00	
2		1/24/20 18:20		Taylor J Holm	1/25/2020 1030	TTEBURT
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: NA

Cooler Temperature(s) °C and Other Remarks: 2-5

Ver: 01/16/2019

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record

eurofins

Client Information	Sampler: Matthew Lay	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone: 6466 3485565	E-Mail: melissa.haas@testamericainc.com	Page: Page 1 of 1
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:		
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-02_20200124	1/24/20	1130	G	W			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	1/24/20 1700	AKRF	[signature]	1/24/20 17:2	T.A
Relinquished by: [signature]	Date/Time: 1/24/20 18:30	Company T.A	Received by: Taylor Holm	Date/Time: 1/28/2020 1030	Company TTMBurl
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: N/A	Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 01/16/2019

ORIGIN ID:AIVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 27JAN20
ACTWGT: 15.00 LB
CAD: 112977992/INET4220

BILL RECIPIENT

TO SAMPLING RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
INV
REF
PO
DEPT

56BJZ/DFB2/FE4A

FedEx Express

TUE - 28 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 1301 3625

NL BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-52390-1

Login Number: 52390
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	ML
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-52390-2
Client Project/Site: 1100 Myrtle Ave, Brookyln

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Authorized for release by:
2/5/2020 2:58:34 PM
Thomas Chupela, Project Management Assistant I
thomas.chupela@testamericainc.com

Designee for

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Thomas Chupela
Project Management Assistant I
2/5/2020 2:58:34 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 6
Client Sample Results 7
Isotope Dilution Summary 8
QC Sample Results 9
QC Association Summary 12
Lab Chronicle 13
Certification Summary 14
Method Summary 15
Sample Summary 16
Chain of Custody 17
Receipt Checklists 22

Definitions/Glossary

Client: AKRF Inc
Job ID: 200-52390-2
Project/Site: 1100 Myrtle Ave, Brookyln

Qualifiers

LCMS

Qualifier	Qualifier Description
*	Isotope Dilution analyte is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 200-52390-2

Laboratory: Eurofins TestAmerica, Burlington

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 1100 Myrtle Ave, Brookyln

Report Number: 200-52390-2

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

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

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

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

RECEIPT

The samples were received on 1/28/2020 10:30 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.5º C.

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

PERFLUORINATED HYDROCARBONS (PFC)

Sample MW-02_20200124 (200-52390-2) was analyzed for Perfluorinated Hydrocarbons (PFC) in accordance with PFC. The samples were prepared and analyzed on 01/29/2020.

The matrix spike / matrix spike duplicate (MS/MSD) precision for 1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) was outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample / laboratory control sample duplicate (LCS/LCSD) precision was within acceptance limits.

d5-NEtFOSAA Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for the following sample: MW-02_20200124 (200-52390-2) . Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2) exceeded the RPD limit for the MSD of sample 480-165515-3 in batch 200-151851.

Refer to the QC report for details.

No other difficulties were encountered during the Perfluorinated Hydrocarbons (PFC) analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Client Sample ID: MW-02_20200124

Lab Sample ID: 200-52390-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.58		1.78	0.89	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.71		1.78	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.71		1.78	0.68	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	6.22		1.78	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	24.3		1.78	0.72	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	1.22	J	1.78	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.91		1.78	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.05		1.78	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.44		1.78	0.54	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Client Sample ID: MW-02_20200124
Date Collected: 01/24/20 16:30
Date Received: 01/28/20 10:30

Lab Sample ID: 200-52390-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.58**		1.78	0.89	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluoropentanoic acid (PFPeA)	**7.71**		1.78	0.56	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorohexanoic acid (PFHxA)	**7.71**		1.78	0.68	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluoroheptanoic acid (PFHpA)	**6.22**		1.78	0.81	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorooctanoic acid (PFOA)	**24.3**		1.78	0.72	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorononanoic acid (PFNA)	**1.22**	**J**	1.78	0.24	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorodecanoic acid (PFDA)	0.69	U	1.78	0.69	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluoroundecanoic acid (PFUnA)	0.69	U	1.78	0.69	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorododecanoic acid (PFDoA)	0.53	U	1.78	0.53	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorotridecanoic acid (PFTriA)	0.53	U	1.78	0.53	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorotetradecanoic acid (PFTeA)	0.82	U	1.78	0.82	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorobutanesulfonic acid (PFBS)	**2.91**		1.78	0.44	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorohexanesulfonic acid (PFHxS)	**3.05**		1.78	0.71	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.85	U	1.78	0.85	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorooctanesulfonic acid (PFOS)	**9.44**		1.78	0.54	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorodecanesulfonic acid (PFDS)	0.80	U	1.78	0.80	ng/L		01/29/20 10:40	01/29/20 19:09	1
Perfluorooctanesulfonamide (PFOSA)	8.90	U	8.90	8.90	ng/L		01/29/20 10:40	01/29/20 19:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.51	U	17.8	1.51	ng/L		01/29/20 10:40	01/29/20 19:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.33	U	17.8	1.33	ng/L		01/29/20 10:40	01/29/20 19:09	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	4.89	U	17.8	4.89	ng/L		01/29/20 10:40	01/29/20 19:09	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.58	U	17.8	2.58	ng/L		01/29/20 10:40	01/29/20 19:09	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*109*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C4 PFHpA	*122*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C4 PFOA	*100*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C4 PFOS	*98*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C5 PFNA	*111*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C4 PFBA	*138*		*25 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C2 PFHxA	*120*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C2 PFDA	*105*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C2 PFUnA	*120*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C2 PFDoA	*97*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C8 FOSA	*89*		*25 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C5 PFPeA	*129*		*25 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C2 PFTeDA	*112*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
d3-NMeFOSAA	*132*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
d5-NEtFOSAA	*185*	*	*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
M2-6:2 FTS	*96*		*25 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
M2-8:2 FTS	*122*		*25 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*
13C3 PFBS	*104*		*50 - 150*	*01/29/20 10:40*	*01/29/20 19:09*	*1*

Isotope Dilution Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFHxS	PFHpA	PFOA	PFOS	PFNA	PFBA	PFHxA	PFDA
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(50-150)	(50-150)	(50-150)	(25-150)	(50-150)	(50-150)
200-52390-2	MW-02_20200124	109	122	100	98	111	138	120	105
480-165515-F-3-B MS	Matrix Spike	111	113	104	102	102	115	116	84
480-165515-F-3-C MSD	Matrix Spike Duplicate	113	117	109	105	101	117	113	99
LCS 200-151845/2-A	Lab Control Sample	117	123	108	114	110	121	120	102
MB 200-151845/1-A	Method Blank	113	115	107	103	107	122	115	101

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFUnA	PFDoA	PFOSA	PFPeA	PFTDA	-NMeFOS/	-NEtFOSA	M262FTS
Lab Sample ID	Client Sample ID	(50-150)	(50-150)	(25-150)	(25-150)	(50-150)	(50-150)	(50-150)	(25-150)
200-52390-2	MW-02_20200124	120	97	89	129	112	132	185 *	96
480-165515-F-3-B MS	Matrix Spike	89	78	81	118	90	73	77	96
480-165515-F-3-C MSD	Matrix Spike Duplicate	98	87	82	113	88	76	81	88
LCS 200-151845/2-A	Lab Control Sample	99	95	84	119	91	86	81	89
MB 200-151845/1-A	Method Blank	92	75	70	122	73	83	74	89

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		M282FTS	3C3-PFBS						
Lab Sample ID	Client Sample ID	(25-150)	(50-150)						
200-52390-2	MW-02_20200124	122	104						
480-165515-F-3-B MS	Matrix Spike	85	109						
480-165515-F-3-C MSD	Matrix Spike Duplicate	85	112						
LCS 200-151845/2-A	Lab Control Sample	95	116						
MB 200-151845/1-A	Method Blank	95	116						

Surrogate Legend

PFHxS = 18O2 PFHxS
PFHpA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFNA = 13C5 PFNA
PFBA = 13C4 PFBA
PFHxA = 13C2 PFHxA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFOSA = 13C8 FOSA
PFPeA = 13C5 PFPeA
PFTDA = 13C2 PFTeDA
d3-NMeFOSAA = d3-NMeFOSAA
d5-NEtFOSAA = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
13C3-PFBS = 13C3 PFBS

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-151845/1-A
Matrix: Water
Analysis Batch: 151922

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 151845

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.00	U	2.00	1.00	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluoropentanoic acid (PFPeA)	0.63	U	2.00	0.63	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorohexanoic acid (PFHxA)	0.76	U	2.00	0.76	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluoroheptanoic acid (PFHpA)	0.91	U	2.00	0.91	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorooctanoic acid (PFOA)	0.81	U	2.00	0.81	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorononanoic acid (PFNA)	0.27	U	2.00	0.27	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorodecanoic acid (PFDA)	0.77	U	2.00	0.77	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluoroundecanoic acid (PFUnA)	0.78	U	2.00	0.78	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorododecanoic acid (PFDoA)	0.59	U	2.00	0.59	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorotridecanoic acid (PFTriA)	0.60	U	2.00	0.60	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorotetradecanoic acid (PFTeA)	0.92	U	2.00	0.92	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorobutanesulfonic acid (PFBS)	0.49	U	2.00	0.49	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorohexanesulfonic acid (PFHxS)	0.80	U	2.00	0.80	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.95	U	2.00	0.95	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorooctanesulfonic acid (PFOS)	0.61	U	2.00	0.61	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorodecanesulfonic acid (PFDS)	0.90	U	2.00	0.90	ng/L		01/29/20 10:40	01/31/20 11:23	1
Perfluorooctanesulfonamide (PFOSA)	10.0	U	10.0	10.0	ng/L		01/29/20 10:40	01/31/20 11:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	1.70	U	20.0	1.70	ng/L		01/29/20 10:40	01/31/20 11:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	1.50	U	20.0	1.50	ng/L		01/29/20 10:40	01/31/20 11:23	1
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	5.50	U	20.0	5.50	ng/L		01/29/20 10:40	01/31/20 11:23	1
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	2.90	U	20.0	2.90	ng/L		01/29/20 10:40	01/31/20 11:23	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
18O2 PFHxS	*113*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C4 PFHpA	*115*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C4 PFOA	*107*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C4 PFOS	*103*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C5 PFNA	*107*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C4 PFBA	*122*		*25 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C2 PFHxA	*115*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C2 PFDA	*101*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C2 PFUnA	*92*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C2 PFDoA	*75*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C8 FOSA	*70*		*25 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C5 PFPeA	*122*		*25 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C2 PFTeDA	*73*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
d3-NMeFOSAA	*83*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
d5-NEtFOSAA	*74*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
M2-6:2 FTS	*89*		*25 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
M2-8:2 FTS	*95*		*25 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*
13C3 PFBS	*116*		*50 - 150*	*01/29/20 10:40*	*01/31/20 11:23*	*1*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-151845/2-A
Matrix: Water
Analysis Batch: 151851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 151845

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	35.21		ng/L		88	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	34.34		ng/L		86	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	34.35		ng/L		86	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	34.97		ng/L		87	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	35.93		ng/L		90	70 - 130
Perfluorononanoic acid (PFNA)	40.0	36.47		ng/L		91	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	39.96		ng/L		100	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	38.72		ng/L		97	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	37.03		ng/L		93	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	35.51		ng/L		89	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	42.72		ng/L		107	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	31.82		ng/L		90	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	31.84		ng/L		87	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	30.93		ng/L		81	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	32.14		ng/L		87	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	32.15		ng/L		83	50 - 150
Perfluorooctanesulfonamide (PFOSA)	40.0	38.18		ng/L		95	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.91		ng/L		97	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	35.80		ng/L		89	70 - 130
1H,1H,2H,2H-perfluorooctanesulfonic acid (6:2)	37.9	34.56		ng/L		91	50 - 150
1H,1H,2H,2H-perfluorodecanesulfonic acid (8:2)	38.3	39.69		ng/L		104	50 - 150

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
18O2 PFHxS	*117*		*50 - 150*
13C4 PFHpA	*123*		*50 - 150*
13C4 PFOA	*108*		*50 - 150*
13C4 PFOS	*114*		*50 - 150*
13C5 PFNA	*110*		*50 - 150*
13C4 PFBA	*121*		*25 - 150*
13C2 PFHxA	*120*		*50 - 150*
13C2 PFDA	*102*		*50 - 150*
13C2 PFUnA	*99*		*50 - 150*
13C2 PFDoA	*95*		*50 - 150*
13C8 FOSA	*84*		*25 - 150*
13C5 PFPeA	*119*		*25 - 150*
13C2 PFTeDA	*91*		*50 - 150*
d3-NMeFOSAA	*86*		*50 - 150*
d5-NEtFOSAA	*81*		*50 - 150*

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 200-151845/2-A
Matrix: Water
Analysis Batch: 151851

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 151845

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-6:2 FTS	89		25 - 150
M2-8:2 FTS	95		25 - 150
13C3 PFBS	116		50 - 150

QC Association Summary

Client: AKRF Inc
Job ID: 200-52390-2
Project/Site: 1100 Myrtle Ave, Brookyln

LCMS

Prep Batch: 151845

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52390-2	MW-02_20200124	Total/NA	Water	3535	
MB 200-151845/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-151845/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 151851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52390-2	MW-02_20200124	Total/NA	Water	537 (modified)	151845
LCS 200-151845/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	151845

Analysis Batch: 151922

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 200-151845/1-A	Method Blank	Total/NA	Water	537 (modified)	151845

Lab Chronicle

Client: AKRF Inc
Job ID: 200-52390-2
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: MW-02_20200124
Lab Sample ID: 200-52390-2

Date Collected: 01/24/20 16:30
Matrix: Water
Date Received: 01/28/20 10:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			151845	01/29/20 10:40	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	151851	01/29/20 19:09	MBM	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 200-52390-2
Project/Site: 1100 Myrtle Ave, Brookyln

Laboratory: Eurofins TestAmerica, Burlington

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2336	02-25-20
Connecticut	State	PH-0751	09-30-19 *
Connecticut	State	PH-0751	09-30-21
Connecticut	State Program	PH-0751	09-30-21
DE Haz. Subst. Cleanup Act (HSCA)	State	N/A	05-15-20
Florida	NELAP	E87467	06-30-20
Minnesota	NELAP	050-999-436	12-31-20
New Hampshire	NELAP	2006	12-18-20
New Hampshire	NELAP	2006	12-18-20
New Jersey	NELAP	VT972	06-30-20
New York	NELAP	10391	03-31-20
Pennsylvania	NELAP	68-00489	04-30-20
Rhode Island	State	LAO00298	12-30-20
Rhode Island	State Program	LAO00298	12-30-20
US Fish & Wildlife	US Federal Programs	058448	07-31-20
USDA	US Federal Programs	P330-17-00272	08-09-20
Vermont	State	VT4000	12-31-20
Virginia	NELAP	460209	12-14-20

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 200-52390-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52390-2	MW-02_20200124	Water	01/24/20 16:30	01/28/20 10:30	

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record

200-52390 Chain of Custody

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Matthew Lay	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone: (646) 388-9565	E-Mail: melissa.haas@testamericainc.com	Page: Page 1 of 1
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:	Analysis Requested	Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		Other:
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyin	Project #: 46031561		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Preservation Code:	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Special Instructions/Note:
MW-02_20200124	1/24/20	1630	G	W				X	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/24/20 1700	AKRF	[signature]	1/24/20 17:00	T.A
2	[signature]	1/24/20 1800	T.A	Taylor Johnson	1/28/2020 1030	TABurl
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: NA

Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 01/16/2019

ORIGIN ID:AVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 27JAN20
ACTWGT: 15.00 LB
CAD: 112977992/NET4220

BILL RECIPIENT

TO SAMPLING, RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990 REF:
INV:
PO: DEPT

568J20FB2/FE4A

FedEx Express

TUE - 28 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 1301 3625

NL BTVA

05403
VT-US BTV

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record



200-52390 Chain of Custody

eurofins

Client Information	Sampler:	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone:	E-Mail: melissa.haas@testamericainc.com	Page: Page 1 of 1
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:		
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
SB-12-18-20_20200124	1/24/20	0730	G	S			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date:	Time:	Method of Shipment:	
Relinquished by:	Date/Time: 1/24/20 1700	Company AKRF	Received by:	Date/Time: 01/24/20 17:00	Company
Relinquished by:	Date/Time: 1/24/20 18:30	Company	Received by: Taylor J Hohn	Date/Time: 1/25/2020 1030	Company TTEBURT
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: NA

Cooler Temperature(s) °C and Other Remarks: 2-5

Ver: 01/16/2019

Eurofins TestAmerica, Burlington
30 Community Drive Suite 11
South Burlington, VT 05403
Phone (802) 660-1990 Fax (802) 660-1919

Chain of Custody Record

eurofins

Client Information	Sampler: Matthew Lay	Lab PM: Haas, Melissa	COC No: 460-123596-79641.1
Client Contact: Mr. Kenneth Wiles	Phone: 6466 3485565	E-Mail: melissa.haas@testamericainc.com	Page: Page 1 of 1
Company: AKRF Inc			Job #:
Address: 440 Park Avenue South 7th Floor	Due Date Requested:		
City: New York	TAT Requested (days): 10 days		
State, Zip: NY, 10016			
Phone:	PO #: 190458		
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Standard List (21 analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
MW-02_20200124	1/24/20	1630	G	W			X		

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	MH	1/24/20 1700	AKRF		1/24/20 17:2	T.I
2		1/24/20 18:30	T.I	Taylor Holm	1/28/2020 1030	TTEBurl
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: N/A	Cooler Temperature(s) °C and Other Remarks: 2.5

Ver: 01/16/2019

ORIGIN ID:AIVA (646) 745-0906
TESTAMERICA NYC

47-32 32ND PLACE,
SUITE 1141
LONG ISLAND CITY, NY 11101
UNITED STATES US

SHIP DATE: 27JAN20
ACTWGT: 15.00 LB
CAD: 112977992/INET4220

BILL RECIPIENT

TO SAMPLING RECEIVING BVT
TESTAMERICA
30 COMMUNITY DR STE 11

SOUTH BURLINGTON VT 05403
(802) 660-1990
INV
PO REF
DEPT

56BJZ/DFB2/FE4A

FedEx Express

TUE - 28 JAN 10:30A
PRIORITY OVERNIGHT

TRK# 0201 7776 1301 3625

NL BTVA

05403
VT-US BTV

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 200-52390-2

Login Number: 52390
List Number: 1
Creator: Khudaier, Zahraa

List Source: Eurofins TestAmerica, Burlington

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	Lab does not accept radioactive samples.
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.5ºC
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	ML
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	N/A	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-201296-1
Client Project/Site: 1100 Myrtle Ave, Brookyln

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Authorized for release by:
1/31/2020 10:19:08 PM
Kristyn Tempe, Manager of Project Management
(732)549-3900
kristyn.tempe@testamericainc.com

Designee for

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Kristyn Tempe
Manager of Project Management
1/31/2020 10:19:08 PM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 6
Detection Summary 13
Client Sample Results 28
Surrogate Summary 132
QC Sample Results 137
QC Association Summary 252
Lab Chronicle 266
Certification Summary 279
Method Summary 283
Sample Summary 284
Chain of Custody 285
Receipt Checklists 294

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
p	The %RPD between the primary and confirmation column/detector is >40%. The lower value has been reported.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F3	Duplicate RPD exceeds the control limit
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-201296-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 1100 Myrtle Ave, Brookyln

Report Number: 460-201296-1

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

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

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

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

RECEIPT

The samples were received on 01/21/2020, 01/22/2020, 01/23/2020 and 01/24/2020; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 4 coolers at receipt time were 2.5º C, 2.7º C, 2.9º C and 2.9º C.

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

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed: COC lists matrix of TB as "S" however water samples were received.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8260C. The samples were prepared on 01/22/2020, 01/23/2020 and 01/25/2020 and analyzed on 01/25/2020, 01/26/2020, 01/29/2020 and 01/30/2020.

The continuing calibration verification (CCV) analyzed in batch 460-671360 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane and Bromoform. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-670762 was outside the method criteria for the following analytes:

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Bromoform and Dichlorobromomethane (biased low) and Dichlorodifluoromethane (biased high). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-671374 was outside the method criteria for the following analyte(s): Chlorobromomethane and Bromoform (biased high) Dichlorodifluoromethane (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-671374 recovered outside control limits for the following analytes: Carbon disulfide, Bromoform, 1,1,2,2-Tetrachloroethane, Chlorobromomethane, Dichlorobromomethane and Toluene. These analytes were biased high in the LCS and/or LCSD and were not detected in the associated samples; therefore, the data have been reported.

The following sample was diluted to bring the concentration of target analytes within the calibration range: SB-03_2-4_20200124 (460-201587-2). Elevated reporting limits (RLs) are provided.

The continuing calibration verification (CCV) analyzed in batch 460-671746 was outside the method criteria for the following analytes: Chloromethane (biased high) and Carbon tetrachloride and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analytes is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-671746 recovered outside control limits for the following analytes: Carbon tetrachloride, Bromomethane, Chloromethane, Trichlorofluoromethane and Dichlorodifluoromethane. %RPD was outside control limits for Trichlorofluoromethane and Dichlorodifluoromethane. These analytes were not detected in the associated samples; therefore, the data have been reported.

Carbon tetrachloride failed the recovery criteria low for LCS 460-671746/5. Dichlorobromomethane failed the recovery criteria low for LCSD 460-670701/4. 1,1,2-Trichloro-1,2,2-trifluoroethane and Methylcyclohexane failed the recovery criteria low for LCSD 460-671329/6. Bromomethane, Chloromethane and Dichlorodifluoromethane failed the recovery criteria high for LCSD 460-671746/7. Dichlorodifluoromethane and Trichlorofluoromethane exceeded the RPD limit.

Refer to the QC report for details.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples TB-01_20200120 (460-201296-1), TB-01_20200123 (460-201482-1), TB-01_20200122 (460-201362-5) and TB-01_20200124 (460-201587-12) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 01/26/2020 and 01/29/2020.

The continuing calibration verification (CCV) analyzed in batch 460-670776 was outside the method criteria for the following analyte(s): Dichlorodifluoromethane, Trichlorofluoromethane and Methyl acetate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Trichlorofluoromethane failed the recovery criteria low for LCS 460-670776/4. 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high. 1,1,2,2-Tetrachloroethane, Bromoform and Carbon disulfide failed the recovery criteria high for LCS 460-671374/4. Bromoform, Carbon disulfide, Chlorobromomethane, Dichlorobromomethane and Toluene failed the recovery criteria high for LCSD 460-671374/5.

Trichlorofluoromethane failed the recovery criteria low for the MS of sample 460-201494-4 in batch 460-670776. 2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high.

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

2-Hexanone and 4-Methyl-2-pentanone (MIBK) failed the recovery criteria high for the MSD of sample 460-201494-4 in batch 460-670776.

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

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

PESTICIDES

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 01/22/2020, 01/23/2020, 01/24/2020 and 01/27/2020 and analyzed on 01/23/2020, 01/24/2020, 01/27/2020, 01/28/2020 and 01/29/2020.

The laboratory control sample (LCS) for preparation batch 460-671131 and analytical batch 460-671157 recovered outside control limits for the following analytes: Endosulfan sulfate on the primary column. This analyte was biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Decachlorobiphenyl surrogate recovery for this sample was outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.SB-04_15-17_20200122 (460-201362-4).

The DCB Decachlorobiphenyl surrogate recovery for the following samples was outside acceptance limits (high biased) on the primary column due to matrix interference: SB-08_0-2_20200122 (460-201362-1). The recovery is within acceptance limits on the other column, indicating that the extraction process was in control.

Surrogate DCB Decachlorobiphenyl recovery for the following sample was outside control limits: SB-04_0-2_20200122 (460-201362-3). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed. Surrogate Tetrachloro-m-xylene was within control limits.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-670150 and analytical batch 460-670384 recovered outside control limits on the primary column for the following analytes: 4,4'-DDT and Endosulfan sulfate. Data have been reported on the confirmation column.

The %RPD between the primary and confirmation columns exceeded 40% for trans-Chlordane for the following sample: SB-11_0-2_20200124 (460-201587-9). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Decachlorobiphenyl surrogate recovery for this sample was outside control limits but Tetrachloro-m-xylene surrogate recovery within control limits; therefore the data have been qualified and reported.SB-01_0.5-2.5_20200123 (460-201482-2)

The continuing calibration verification (CCV) associated with batch 460-671418 recovered above the upper control limit for Endrin ketone on the primary column. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The following sample is impacted: (CCVIS 460-671418/3).

The %RPD between the primary and confirmation columns exceeded 40% for cis-Chlordane for the following sample: SB-01_0.5-2.5_20200123 (460-201482-2). The lower value(s) has been reported and qualified in accordance with the laboratory's SOP.

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SB-08_0-2_20200122 (460-201362-1). DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SB-04_0-2_20200122 (460-201362-3). DCB Decachlorobiphenyl failed the surrogate recovery criteria high for SB-01_0.5-2.5_20200123 (460-201482-2).

4,4'-DDT and Endosulfan sulfate failed the recovery criteria high for LCS 460-670150/2-A. Endosulfan sulfate failed the recovery criteria high for LCS 460-671131/2-A. 4,4'-DDT and Endosulfan sulfate failed the recovery criteria high for LCSD 460-670150/3-A.

Heptachlor epoxide failed the recovery criteria low for the MS of sample 460-200792-2 in batch 460-670946. Several analytes failed the recovery criteria high for the MSD of sample 460-200792-2 in batch 460-670946. Several analytes exceeded the RPD limit.

4,4'-DDT failed the recovery criteria low for the MSD of sample 460-201022-19 in batch 460-670070.

Several analytes failed the recovery criteria high for the MS of sample 460-201312-3 in batch 460-670384. Several analytes failed the recovery criteria high for the MSD of sample 460-201312-3 in batch 460-670384.

Several analytes failed the recovery criteria high for the MS of sample 460-201343-1 in batch 460-671157.

Refer to the QC report for details.

Sample SB-01_0.5-2.5_20200123 (460-201482-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Pesticides analysis.

All other quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for polychlorinated biphenyls in accordance with EPA SW-846 Method 8082A. The samples were prepared on 01/22/2020, 01/23/2020, 01/24/2020 and 01/27/2020 and analyzed on 01/23/2020, 01/25/2020, 01/27/2020 and 01/28/2020.

Aroclor 1260 failed the recovery criteria high for the MS of sample 460-201312-3 in batch 460-670521.

Aroclor 1260 failed the recovery criteria high for the MSD of sample 460-201312-3 in batch 460-670521.

Refer to the QC report for details.

No other difficulties were encountered during the PCBs analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5),

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/25/2020 and 01/27/2020 and analyzed on 01/26/2020, 01/27/2020 and 01/28/2020.

The continuing calibration verification (CCV) analyzed in batch 460-670747 was outside the method criteria for the following analyte(s): 2,4-Dinitrophenol. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Six surrogates are used for this analysis. The laboratory's SOP allows one acid and one base of these surrogates to be outside acceptance criteria without performing re-extraction/re-analysis. The following sample contained an allowable number of surrogate compounds outside limits: SB-04_0-2_20200122 (460-201362-3). These results have been reported and qualified.

The continuing calibration verification (CCV) associated with batch 460-670753 recovered above the upper control limit for 2,4-Dinitrophenol and 2,4-Dinitrotoluene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-670756 recovered above the upper control limit for Hexachlorobutadiene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batch 460-670666 and analytical batch 460-670756 recovered outside control limits for the following analytes: Hexachlorobutadiene. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) associated with batch 460-670891 recovered above the upper control limit for 2,4-Dinitrophenol and 4,6-Dinitro-2-methylphenol. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-671202 was outside the method criteria for the following analyte(s): Di-n-octyl phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for preparation batch 460-671123 and analytical batch 460-671202 recovered outside control limits for the following analytes: 2,4-Dinitrophenol, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 1,2,4,5-Tetrachlorobenzene, 2-Nitrophenol and Hexachlorobutadiene. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

Nitrobenzene-d5 (Surr) failed the surrogate recovery criteria low for SB-04_0-2_20200122 (460-201362-3).

Hexachlorobutadiene failed the recovery criteria high for LCS 460-670666/2-A. Benzo[a]pyrene failed the recovery criteria low for LCS 460-670671/2-A. 1,2,4,5-Tetrachlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 2-Nitrophenol and Hexachlorobutadiene failed the recovery criteria high for LCS 460-671123/2-A.

Several analytes failed the recovery criteria low for the MS of sample 460-201342-1 in batch 460-670753. Several analytes failed the recovery criteria low for the MSD of sample 460-201342-1 in batch 460-670753.

Several analytes failed the recovery criteria low for the MS of sample 460-201477-1 in batch 460-670747. Several analytes failed the recovery criteria low for the MSD of sample 460-201477-1 in batch 460-670747.

Several analytes failed the recovery criteria low for the MS of sample 460-201481-3 in batch 460-670756. Several analytes failed the recovery criteria low for the MSD of sample 460-201481-3 in batch 460-670756. Benzo[a]anthracene, Benzo[b]fluoranthene and Hexachlorocyclopentadiene exceeded the RPD limit.

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

Several analytes failed the recovery criteria low for the MS of sample SB-03_2-4_20200124MS (460-201587-2) in batch 460-671202. Acetophenone failed the recovery criteria high. Several analytes failed the recovery criteria low for the MSD of sample SB-03_2-4_20200124MSD (460-201587-2) in batch 460-671202. Acetophenone failed the recovery criteria high.
Refer to the QC report for details.

Sample SB-04_0-2_20200122 (460-201482-3)[10X] required dilution prior to analysis. The following sample was diluted to bring the concentration of target analytes within the calibration range: SB-04_0-2_20200122 (460-201362-3). Elevated reporting limits (RLs) are provided. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP/MS)

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for Total Metals (ICP/MS) in accordance with EPA SW-846 Method 6020B. The samples were prepared on 01/30/2020 and analyzed on 01/30/2020 and 01/31/2020.

Antimony, Copper and Manganese failed the recovery criteria low for the MS of sample SB-01_0.5-2.5_20200123MS (460-201482-2) in batch 460-671830. Barium, Calcium, Lead and Magnesium failed the recovery criteria high.

Antimony failed the recovery criteria low for the MS of sample SB-07_18-20_20200124MS (460-201587-4) in batch 460-671830. Several analytes failed the recovery criteria high.

Barium, Calcium, Lead, Magnesium and Zinc exceeded the RPD limit for the duplicate of sample SB-01_0.5-2.5_20200123DU (460-201482-2). Aluminum, Arsenic, Barium, Magnesium, Manganese and Potassium exceeded the RPD limit for the duplicate of sample SB-07_18-20_20200124DU (460-201587-4).

Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

TOTAL MERCURY

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for total mercury in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 01/30/2020.

Sample SB-03_0-2_20200124 (460-201482-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Job ID: 460-201296-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-08_0-2_20200122 (460-201362-1), SB-03_0-2_20200124 (460-201587-1), SB-06_0.5-2.5_20200121 (460-201296-2), SB-08_19-21_20200122 (460-201362-2), SB-01_0.5-2.5_20200123 (460-201482-2), SB-03_2-4_20200124 (460-201587-2), SB-06_2.5-3.5_20200121 (460-201296-3), SB-04_0-2_20200122 (460-201362-3), SB-01_16-18_20200123 (460-201482-3), SB-07_0-2_20200124 (460-201587-3), SB-05_0.5-2.5_20200121 (460-201296-4), SB-04_15-17_20200122 (460-201362-4), SB-12_0-2_20200123 (460-201482-4), SB-07_18-20_20200124 (460-201587-4), SB-02_0.5-1.5_20200121 (460-201296-5), SB-09_0-2_20200124 (460-201587-5), SB-09_20-22_20200124 (460-201587-6), SB-10_0-2_20200124 (460-201587-7), SB-10_19-21_20200124 (460-201587-8), SB-11_0-2_20200124 (460-201587-9), SB-11_19-21_20200124 (460-201587-10) and SB-12_18-20_20200124 (460-201587-11) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 01/28/2020 and 01/29/2020.

Percent Moisture exceeded the RPD limit for the duplicate of sample 460-201556-7.

Refer to the QC report for details.

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

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: TB-01_20200120 — Lab Sample ID: 460-201296-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.90	J	1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: SB-06_0.5-2.5_20200121 — Lab Sample ID: 460-201296-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Butyl benzyl phthalate	0.72		0.36	0.017	mg/Kg	1	☼	8270D	Total/NA
Aluminum	5340		20.5	7.0	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.1		1.0	0.33	mg/Kg	10	☼	6020B	Total/NA
Barium	32.2		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.19	J	0.41	0.17	mg/Kg	10	☼	6020B	Total/NA
Calcium	1420		103	30.5	mg/Kg	10	☼	6020B	Total/NA
Chromium	14.6		2.1	0.62	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.2		2.1	0.62	mg/Kg	10	☼	6020B	Total/NA
Copper	21.9		2.1	0.59	mg/Kg	10	☼	6020B	Total/NA
Iron	20400		61.5	21.5	mg/Kg	10	☼	6020B	Total/NA
Lead	5.8		0.62	0.19	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1930		103	28.5	mg/Kg	10	☼	6020B	Total/NA
Manganese	321		4.1	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	9.8		2.1	0.67	mg/Kg	10	☼	6020B	Total/NA
Potassium	916		103	36.9	mg/Kg	10	☼	6020B	Total/NA
Sodium	208		103	32.1	mg/Kg	10	☼	6020B	Total/NA
Vanadium	22.2		2.1	0.58	mg/Kg	10	☼	6020B	Total/NA
Zinc	28.7		8.2	4.0	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-06_2.5-3.5_20200121 — Lab Sample ID: 460-201296-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.00060	J	0.00098	0.00045	mg/Kg	1	☼	8260C	Total/NA
Aluminum	5480		19.8	6.8	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.5		0.99	0.32	mg/Kg	10	☼	6020B	Total/NA
Barium	37.1		2.0	0.66	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.21	J	0.40	0.16	mg/Kg	10	☼	6020B	Total/NA
Calcium	737		99.0	29.4	mg/Kg	10	☼	6020B	Total/NA
Chromium	12.7		2.0	0.59	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.4		2.0	0.60	mg/Kg	10	☼	6020B	Total/NA
Copper	16.1		2.0	0.57	mg/Kg	10	☼	6020B	Total/NA
Iron	16400		59.4	20.8	mg/Kg	10	☼	6020B	Total/NA
Lead	4.8		0.59	0.19	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1870		99.0	27.5	mg/Kg	10	☼	6020B	Total/NA
Manganese	365		4.0	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	10.4		2.0	0.64	mg/Kg	10	☼	6020B	Total/NA
Potassium	989		99.0	35.6	mg/Kg	10	☼	6020B	Total/NA
Sodium	193		99.0	31.0	mg/Kg	10	☼	6020B	Total/NA
Vanadium	22.4		2.0	0.56	mg/Kg	10	☼	6020B	Total/NA
Zinc	27.1		7.9	3.9	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.012	J	0.017	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-05_0.5-2.5_20200121 — Lab Sample ID: 460-201296-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.013		0.0063	0.0034	mg/Kg	1	☼	8260C	Total/NA
Acetone	0.043		0.0076	0.0072	mg/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Edison

Client Sample ID: SB-05_0.5-2.5_20200121 (Continued)

Lab Sample ID: 460-201296-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methyl acetate	0.48		0.0063	0.0054	mg/Kg	1	☼	8260C	Total/NA
m-Xylene & p-Xylene	0.00037	J	0.0013	0.00022	mg/Kg	1	☼	8260C	Total/NA
Anthracene	0.026	J	0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.092		0.036	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.072	*	0.036	0.0095	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.091		0.036	0.0092	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.046	J	0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.038		0.036	0.0070	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.42		0.36	0.017	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.018	J	0.36	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.091	J	0.36	0.0060	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.17	J	0.36	0.012	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.051		0.036	0.014	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.14	J	0.36	0.0063	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.15	J	0.36	0.0089	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDE	0.0072		0.0072	0.00085	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0023	J	0.0072	0.0013	mg/Kg	1	☼	8081B	Total/NA
Aluminum	5340		20.9	7.2	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.5		1.0	0.34	mg/Kg	10	☼	6020B	Total/NA
Barium	81.5		2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Calcium	26400		105	31.1	mg/Kg	10	☼	6020B	Total/NA
Chromium	8.7		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Cobalt	3.9		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Copper	10.3		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Iron	13300		62.8	22.0	mg/Kg	10	☼	6020B	Total/NA
Lead	4.7		0.63	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1640		105	29.1	mg/Kg	10	☼	6020B	Total/NA
Manganese	262		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	7.9		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Potassium	765		105	37.7	mg/Kg	10	☼	6020B	Total/NA
Sodium	375		105	32.7	mg/Kg	10	☼	6020B	Total/NA
Vanadium	15.3		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Zinc	17.4		8.4	4.1	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.041		0.018	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-02_0.5-1.5_20200121

Lab Sample ID: 460-201296-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.0024		0.0012	0.00057	mg/Kg	1	☼	8260C	Total/NA
1,1'-Biphenyl	0.020	J	0.36	0.0048	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.065	J	0.36	0.010	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.16	J	0.36	0.026	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.080	J	0.36	0.0038	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.55		0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1.9		0.036	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1.6	*	0.036	0.0097	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	2.3		0.036	0.0094	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1.0		0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.87		0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.11	J	0.36	0.019	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.51		0.36	0.017	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-02_0.5-1.5_20200121 (Continued)

Lab Sample ID: 460-201296-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Carbazole	0.50		0.36	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	1.9		0.36	0.0062	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.28		0.036	0.016	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.15	J	0.36	0.0051	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	3.8		0.36	0.013	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.18	J	0.36	0.0049	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	1.2		0.036	0.014	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.076	J	0.36	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	2.8		0.36	0.0064	mg/Kg	1	☼	8270D	Total/NA
Pyrene	3.2		0.36	0.0091	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDT	0.012		0.0074	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aluminum	5610		20.8	7.1	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.6		1.0	0.33	mg/Kg	10	☼	6020B	Total/NA
Barium	35.6		2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Calcium	17700		104	30.8	mg/Kg	10	☼	6020B	Total/NA
Chromium	10.9		2.1	0.62	mg/Kg	10	☼	6020B	Total/NA
Cobalt	5.2		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Copper	19.3		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Iron	15200		62.3	21.8	mg/Kg	10	☼	6020B	Total/NA
Lead	22.9		0.62	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2420		104	28.9	mg/Kg	10	☼	6020B	Total/NA
Manganese	339		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	11.2		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Potassium	772		104	37.4	mg/Kg	10	☼	6020B	Total/NA
Sodium	239		104	32.5	mg/Kg	10	☼	6020B	Total/NA
Vanadium	18.6		2.1	0.59	mg/Kg	10	☼	6020B	Total/NA
Zinc	38.4		8.3	4.1	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.032		0.018	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-08_0-2_20200122

Lab Sample ID: 460-201362-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.034	J	0.37	0.0038	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.052	J	0.37	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.32		0.037	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.29		0.037	0.0099	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.43		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.26	J	0.37	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.22		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.074	J	0.37	0.020	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.040	J	0.37	0.017	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.019	J	0.37	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.36	J	0.37	0.0063	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.050		0.037	0.016	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.46		0.37	0.013	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.22		0.037	0.014	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.16	J	0.37	0.0065	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.46		0.37	0.0092	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDE	0.0083		0.0075	0.00088	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.024		0.0075	0.0014	mg/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.0039	J	0.0075	0.0012	mg/Kg	1	☼	8081B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-08_0-2_20200122 (Continued)

Lab Sample ID: 460-201362-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Dieldrin	0.0041		0.0022	0.00097	mg/Kg	1	☼	8081B	Total/NA
trans-Chlordane	0.0042	J	0.0075	0.0013	mg/Kg	1	☼	8081B	Total/NA
Aluminum	5860		21.3	7.3	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.8		1.1	0.34	mg/Kg	10	☼	6020B	Total/NA
Barium	197		2.1	0.71	mg/Kg	10	☼	6020B	Total/NA
Calcium	40900		107	31.6	mg/Kg	10	☼	6020B	Total/NA
Chromium	14.8		2.1	0.64	mg/Kg	10	☼	6020B	Total/NA
Cobalt	4.9		2.1	0.64	mg/Kg	10	☼	6020B	Total/NA
Copper	38.4		2.1	0.61	mg/Kg	10	☼	6020B	Total/NA
Iron	12300		63.9	22.4	mg/Kg	10	☼	6020B	Total/NA
Lead	109		0.64	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	12800		107	29.6	mg/Kg	10	☼	6020B	Total/NA
Manganese	200		4.3	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	15.1		2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Potassium	843		107	38.3	mg/Kg	10	☼	6020B	Total/NA
Sodium	704		107	33.3	mg/Kg	10	☼	6020B	Total/NA
Vanadium	41.2		2.1	0.61	mg/Kg	10	☼	6020B	Total/NA
Zinc	123		8.5	4.2	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.13		0.019	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-08_19-21_20200122

Lab Sample ID: 460-201362-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0052		0.0047	0.0025	mg/Kg	1	☼	8260C	Total/NA
Acetone	0.017		0.0056	0.0053	mg/Kg	1	☼	8260C	Total/NA
Benzene	0.00036	J	0.00093	0.00024	mg/Kg	1	☼	8260C	Total/NA
Toluene	0.00036	J	0.00093	0.00022	mg/Kg	1	☼	8260C	Total/NA
Benzo[b]fluoranthene	0.011	J	0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Aluminum	5120		21.1	7.2	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.7		1.1	0.34	mg/Kg	10	☼	6020B	Total/NA
Barium	68.4		2.1	0.70	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.21	J	0.42	0.17	mg/Kg	10	☼	6020B	Total/NA
Calcium	1770		106	31.4	mg/Kg	10	☼	6020B	Total/NA
Chromium	21.3		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Cobalt	7.3		2.1	0.64	mg/Kg	10	☼	6020B	Total/NA
Copper	16.5		2.1	0.61	mg/Kg	10	☼	6020B	Total/NA
Iron	21600		63.4	22.2	mg/Kg	10	☼	6020B	Total/NA
Lead	7.4		0.63	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2150		106	29.4	mg/Kg	10	☼	6020B	Total/NA
Manganese	1030		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	14.6		2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Potassium	1110		106	38.1	mg/Kg	10	☼	6020B	Total/NA
Sodium	193		106	33.1	mg/Kg	10	☼	6020B	Total/NA
Vanadium	24.5		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Zinc	30.9		8.5	4.1	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.010	J	0.017	0.0099	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-04_0-2_20200122

Lab Sample ID: 460-201362-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.057		0.0068	0.0037	mg/Kg	1	☼	8260C	Total/NA
4-Methyl-2-pentanone (MIBK)	0.0053	J	0.0068	0.0021	mg/Kg	1	☼	8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-04_0-2_20200122 (Continued)

Lab Sample ID: 460-201362-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	0.27		0.0081	0.0077	mg/Kg	1	☼	8260C	Total/NA
Benzene	0.0010	J	0.0014	0.00035	mg/Kg	1	☼	8260C	Total/NA
Carbon disulfide	0.00039	J	0.0014	0.00036	mg/Kg	1	☼	8260C	Total/NA
Ethylbenzene	0.0021		0.0014	0.00027	mg/Kg	1	☼	8260C	Total/NA
Isopropylbenzene	0.00075	J	0.0014	0.00017	mg/Kg	1	☼	8260C	Total/NA
Methylcyclohexane	0.0015		0.0014	0.00068	mg/Kg	1	☼	8260C	Total/NA
m-Xylene & p-Xylene	0.0012	J	0.0014	0.00024	mg/Kg	1	☼	8260C	Total/NA
o-Xylene	0.00096	J	0.0014	0.00026	mg/Kg	1	☼	8260C	Total/NA
Styrene	0.0088		0.0014	0.00038	mg/Kg	1	☼	8260C	Total/NA
Toluene	0.0022		0.0014	0.00032	mg/Kg	1	☼	8260C	Total/NA
Trichloroethene	0.0013	J	0.0014	0.00020	mg/Kg	1	☼	8260C	Total/NA
1,1'-Biphenyl	0.38	J	3.9	0.052	mg/Kg	10	☼	8270D	Total/NA
2-Methylnaphthalene	0.92	J	3.9	0.11	mg/Kg	10	☼	8270D	Total/NA
Acenaphthene	4.1		3.9	0.29	mg/Kg	10	☼	8270D	Total/NA
Acenaphthylene	0.56	J	3.9	0.041	mg/Kg	10	☼	8270D	Total/NA
Anthracene	12		3.9	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzaldehyde	0.26	J	3.9	0.17	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]anthracene	39		0.39	0.14	mg/Kg	10	☼	8270D	Total/NA
Benzo[a]pyrene	36		0.39	0.10	mg/Kg	10	☼	8270D	Total/NA
Benzo[b]fluoranthene	47		0.39	0.10	mg/Kg	10	☼	8270D	Total/NA
Benzo[g,h,i]perylene	17		3.9	0.12	mg/Kg	10	☼	8270D	Total/NA
Benzo[k]fluoranthene	19		0.39	0.077	mg/Kg	10	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	82		3.9	0.21	mg/Kg	10	☼	8270D	Total/NA
Carbazole	4.1		3.9	0.15	mg/Kg	10	☼	8270D	Total/NA
Chrysene	37		3.9	0.067	mg/Kg	10	☼	8270D	Total/NA
Dibenz(a,h)anthracene	4.9		0.39	0.17	mg/Kg	10	☼	8270D	Total/NA
Dibenzofuran	3.1	J	3.9	0.055	mg/Kg	10	☼	8270D	Total/NA
Di-n-octyl phthalate	4.5		3.9	0.21	mg/Kg	10	☼	8270D	Total/NA
Fluoranthene	75		3.9	0.14	mg/Kg	10	☼	8270D	Total/NA
Fluorene	5.9		3.9	0.053	mg/Kg	10	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	19		0.39	0.15	mg/Kg	10	☼	8270D	Total/NA
Naphthalene	2.0	J	3.9	0.068	mg/Kg	10	☼	8270D	Total/NA
Phenanthrene	57		3.9	0.069	mg/Kg	10	☼	8270D	Total/NA
Pyrene	78		3.9	0.098	mg/Kg	10	☼	8270D	Total/NA
4,4'-DDD	0.014	p	0.0080	0.0014	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.0085		0.0080	0.00094	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.029		0.0080	0.0015	mg/Kg	1	☼	8081B	Total/NA
trans-Chlordane	0.011	p	0.0080	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1248	0.40		0.080	0.011	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.40		0.080	0.011	mg/Kg	1	☼	8082A	Total/NA
Aluminum	6340		22.2	7.6	mg/Kg	10	☼	6020B	Total/NA
Antimony	1.7		1.1	0.33	mg/Kg	10	☼	6020B	Total/NA
Arsenic	7.2		1.1	0.36	mg/Kg	10	☼	6020B	Total/NA
Barium	178		2.2	0.74	mg/Kg	10	☼	6020B	Total/NA
Cadmium	5.4		1.1	0.37	mg/Kg	10	☼	6020B	Total/NA
Calcium	38200		111	33.0	mg/Kg	10	☼	6020B	Total/NA
Chromium	55.5		2.2	0.67	mg/Kg	10	☼	6020B	Total/NA
Cobalt	8.6		2.2	0.67	mg/Kg	10	☼	6020B	Total/NA
Copper	273		2.2	0.64	mg/Kg	10	☼	6020B	Total/NA
Iron	65600		66.7	23.3	mg/Kg	10	☼	6020B	Total/NA
Lead	711		0.67	0.21	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-04_0-2_20200122 (Continued)

Lab Sample ID: 460-201362-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Magnesium	9110		111	30.9	mg/Kg	10	☼	6020B	Total/NA
Manganese	753		4.4	1.4	mg/Kg	10	☼	6020B	Total/NA
Nickel	50.6		2.2	0.72	mg/Kg	10	☼	6020B	Total/NA
Potassium	837		111	40.0	mg/Kg	10	☼	6020B	Total/NA
Sodium	1400		111	34.8	mg/Kg	10	☼	6020B	Total/NA
Vanadium	39.3		2.2	0.63	mg/Kg	10	☼	6020B	Total/NA
Zinc	1110		8.9	4.3	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.76		0.020	0.012	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-04_15-17_20200122

Lab Sample ID: 460-201362-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Butanone (MEK)	0.0042	J	0.0052	0.0028	mg/Kg	1	☼	8260C	Total/NA
Acetone	0.017		0.0062	0.0060	mg/Kg	1	☼	8260C	Total/NA
Carbon disulfide	0.00039	J	0.0010	0.00028	mg/Kg	1	☼	8260C	Total/NA
Toluene	0.00029	J	0.0010	0.00024	mg/Kg	1	☼	8260C	Total/NA
Anthracene	0.091	J	0.35	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.36		0.035	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.33		0.035	0.0094	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.42		0.035	0.0092	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.20	J	0.35	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.16		0.035	0.0069	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.54		0.35	0.019	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.032	J	0.35	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.35		0.35	0.0060	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.062		0.035	0.015	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.016	J	0.35	0.0050	mg/Kg	1	☼	8270D	Total/NA
Di-n-octyl phthalate	0.038	J	0.35	0.019	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.62		0.35	0.012	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.036	J	0.35	0.0048	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.23		0.035	0.014	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.42		0.35	0.0062	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.73		0.35	0.0088	mg/Kg	1	☼	8270D	Total/NA
Aluminum	8130		20.0	6.8	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.0		1.0	0.32	mg/Kg	10	☼	6020B	Total/NA
Barium	41.3		2.0	0.66	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.21	J	0.40	0.16	mg/Kg	10	☼	6020B	Total/NA
Calcium	3780		100	29.7	mg/Kg	10	☼	6020B	Total/NA
Chromium	31.8		2.0	0.60	mg/Kg	10	☼	6020B	Total/NA
Cobalt	7.7		2.0	0.60	mg/Kg	10	☼	6020B	Total/NA
Copper	37.0		2.0	0.57	mg/Kg	10	☼	6020B	Total/NA
Iron	23600		60.0	21.0	mg/Kg	10	☼	6020B	Total/NA
Lead	11.4		0.60	0.19	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2690		100	27.8	mg/Kg	10	☼	6020B	Total/NA
Manganese	480		4.0	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	16.6		2.0	0.65	mg/Kg	10	☼	6020B	Total/NA
Potassium	1240		100	36.0	mg/Kg	10	☼	6020B	Total/NA
Sodium	906		100	31.3	mg/Kg	10	☼	6020B	Total/NA
Vanadium	32.5		2.0	0.57	mg/Kg	10	☼	6020B	Total/NA
Zinc	37.1		8.0	3.9	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.012	J	0.017	0.0097	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: TB-01_20200122 — Lab Sample ID: 460-201362-5

No Detections.

Client Sample ID: TB-01_20200123 — Lab Sample ID: 460-201482-1

No Detections.

Client Sample ID: SB-01_0.5-2.5_20200123 — Lab Sample ID: 460-201482-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Anthracene	0.022	J	0.38	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.11		0.038	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.090		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.11		0.038	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.057	J	0.38	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.048		0.038	0.0076	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.11	J	0.38	0.0065	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.19	J	0.38	0.013	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.0099	J	0.38	0.0052	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.059		0.038	0.015	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.11	J	0.38	0.0068	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.19	J	0.38	0.0096	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDT	0.013	J	0.016	0.0029	mg/Kg	2	☼	8081B	Total/NA
cis-Chlordane	0.013	J p	0.016	0.0025	mg/Kg	2	☼	8081B	Total/NA
trans-Chlordane	0.011	J	0.016	0.0028	mg/Kg	2	☼	8081B	Total/NA
Aluminum	6320		23.3	8.0	mg/Kg	10	☼	6020B	Total/NA
Arsenic	3.3		1.2	0.37	mg/Kg	10	☼	6020B	Total/NA
Barium	34.2	F1	2.3	0.77	mg/Kg	10	☼	6020B	Total/NA
Calcium	2200	F1	117	34.6	mg/Kg	10	☼	6020B	Total/NA
Chromium	12.2		2.3	0.70	mg/Kg	10	☼	6020B	Total/NA
Cobalt	4.5		2.3	0.70	mg/Kg	10	☼	6020B	Total/NA
Copper	20.6	F1	2.3	0.67	mg/Kg	10	☼	6020B	Total/NA
Iron	10900		70.0	24.5	mg/Kg	10	☼	6020B	Total/NA
Lead	47.7		0.70	0.22	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2280	F1	117	32.4	mg/Kg	10	☼	6020B	Total/NA
Manganese	176	F1	4.7	1.4	mg/Kg	10	☼	6020B	Total/NA
Nickel	15.6		2.3	0.76	mg/Kg	10	☼	6020B	Total/NA
Potassium	779		117	42.0	mg/Kg	10	☼	6020B	Total/NA
Sodium	156		117	36.5	mg/Kg	10	☼	6020B	Total/NA
Vanadium	18.8		2.3	0.66	mg/Kg	10	☼	6020B	Total/NA
Zinc	85.9		9.3	4.5	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.060		0.019	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-01_16-18_20200123 — Lab Sample ID: 460-201482-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4490		19.3	6.6	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.4		0.97	0.31	mg/Kg	10	☼	6020B	Total/NA
Barium	57.2		1.9	0.64	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.21	J	0.39	0.16	mg/Kg	10	☼	6020B	Total/NA
Calcium	4340		96.6	28.7	mg/Kg	10	☼	6020B	Total/NA
Chromium	12.9		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.2		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Copper	14.7		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Iron	28400		58.0	20.3	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-01_16-18_20200123 (Continued) — Lab Sample ID: 460-201482-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	6.8		0.58	0.18	mg/Kg	10	☼	6020B	Total/NA
Magnesium	4230		96.6	26.9	mg/Kg	10	☼	6020B	Total/NA
Manganese	727		3.9	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	22.0		1.9	0.63	mg/Kg	10	☼	6020B	Total/NA
Potassium	1400		96.6	34.8	mg/Kg	10	☼	6020B	Total/NA
Sodium	359		96.6	30.2	mg/Kg	10	☼	6020B	Total/NA
Vanadium	20.6		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Zinc	24.1		7.7	3.8	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-12_0-2_20200123 — Lab Sample ID: 460-201482-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Pyrene	0.0099	J	0.38	0.0094	mg/Kg	1	☼	8270D	Total/NA
Aluminum	9410		22.2	7.6	mg/Kg	10	☼	6020B	Total/NA
Arsenic	6.3		1.1	0.36	mg/Kg	10	☼	6020B	Total/NA
Barium	55.5		2.2	0.74	mg/Kg	10	☼	6020B	Total/NA
Calcium	24600		111	33.0	mg/Kg	10	☼	6020B	Total/NA
Chromium	9.1		2.2	0.67	mg/Kg	10	☼	6020B	Total/NA
Cobalt	2.9		2.2	0.67	mg/Kg	10	☼	6020B	Total/NA
Copper	8.9		2.2	0.64	mg/Kg	10	☼	6020B	Total/NA
Iron	8850		66.6	23.3	mg/Kg	10	☼	6020B	Total/NA
Lead	44.5		0.67	0.21	mg/Kg	10	☼	6020B	Total/NA
Magnesium	6150		111	30.9	mg/Kg	10	☼	6020B	Total/NA
Manganese	445		4.4	1.4	mg/Kg	10	☼	6020B	Total/NA
Nickel	9.5		2.2	0.72	mg/Kg	10	☼	6020B	Total/NA
Potassium	817		111	40.0	mg/Kg	10	☼	6020B	Total/NA
Sodium	1280		111	34.8	mg/Kg	10	☼	6020B	Total/NA
Vanadium	15.8		2.2	0.63	mg/Kg	10	☼	6020B	Total/NA
Zinc	26.8		8.9	4.3	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.027		0.018	0.011	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-03_0-2_20200124 — Lab Sample ID: 460-201587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
m-Xylene & p-Xylene	0.00039	J	0.0012	0.00021	mg/Kg	1	☼	8260C	Total/NA
1,1'-Biphenyl	0.021	J	0.37	0.0049	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	0.057	J	0.37	0.010	mg/Kg	1	☼	8270D	Total/NA
4-Methylphenol	0.031	J	0.37	0.023	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.15	J	0.37	0.027	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.18	J	0.37	0.0038	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.70		0.37	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	2.5		0.037	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	2.0		0.037	0.0098	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	2.3		0.037	0.0096	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	1.0		0.37	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	1.1		0.037	0.0073	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.23	J	0.37	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	2.5		0.37	0.0062	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.35		0.037	0.016	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.12	J	0.37	0.0052	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	4.5		0.37	0.013	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.24	J	0.37	0.0050	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-03_0-2_20200124 (Continued)

Lab Sample ID: 460-201587-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	1.2		0.037	0.014	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.12	J	0.37	0.0064	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	3.2		0.37	0.0065	mg/Kg	1	☼	8270D	Total/NA
Pyrene	4.6		0.37	0.0092	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDD	0.015		0.0075	0.0013	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.0037	J	0.0075	0.00088	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.021		0.0075	0.0014	mg/Kg	1	☼	8081B	Total/NA
Aluminum	8300		21.9	7.5	mg/Kg	10	☼	6020B	Total/NA
Arsenic	8.4		1.1	0.35	mg/Kg	10	☼	6020B	Total/NA
Barium	345		2.2	0.73	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.27	J	0.44	0.18	mg/Kg	10	☼	6020B	Total/NA
Cadmium	0.54	J	1.1	0.37	mg/Kg	10	☼	6020B	Total/NA
Calcium	7570		110	32.6	mg/Kg	10	☼	6020B	Total/NA
Chromium	24.1		2.2	0.66	mg/Kg	10	☼	6020B	Total/NA
Cobalt	8.4		2.2	0.66	mg/Kg	10	☼	6020B	Total/NA
Copper	169		2.2	0.63	mg/Kg	10	☼	6020B	Total/NA
Iron	23600		65.8	23.0	mg/Kg	10	☼	6020B	Total/NA
Lead	642		0.66	0.21	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2100		110	30.5	mg/Kg	10	☼	6020B	Total/NA
Manganese	408		4.4	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	16.6		2.2	0.71	mg/Kg	10	☼	6020B	Total/NA
Potassium	1020		110	39.5	mg/Kg	10	☼	6020B	Total/NA
Selenium	0.76	J	5.5	0.32	mg/Kg	10	☼	6020B	Total/NA
Sodium	304		110	34.3	mg/Kg	10	☼	6020B	Total/NA
Vanadium	28.5		2.2	0.62	mg/Kg	10	☼	6020B	Total/NA
Zinc	380		8.8	4.3	mg/Kg	10	☼	6020B	Total/NA
Mercury	2.1		0.091	0.053	mg/Kg	5	☼	7471B	Total/NA

Client Sample ID: SB-03_2-4_20200124

Lab Sample ID: 460-201587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.27		0.19	0.038	mg/Kg	100	☼	8260C	Total/NA
Cyclohexane	4.8		0.19	0.049	mg/Kg	100	☼	8260C	Total/NA
Ethylbenzene	9.6		0.19	0.057	mg/Kg	100	☼	8260C	Total/NA
Isopropylbenzene	2.9		0.19	0.061	mg/Kg	100	☼	8260C	Total/NA
Methylcyclohexane	20		0.19	0.042	mg/Kg	100	☼	8260C	Total/NA
m-Xylene & p-Xylene	63		0.19	0.053	mg/Kg	100	☼	8260C	Total/NA
o-Xylene	21		0.19	0.061	mg/Kg	100	☼	8260C	Total/NA
Toluene	12		0.19	0.048	mg/Kg	100	☼	8260C	Total/NA
1,1'-Biphenyl	0.22	J F1	0.36	0.0048	mg/Kg	1	☼	8270D	Total/NA
2-Methylnaphthalene	6.8	F1	0.36	0.010	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.032	J F1	0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.038		0.036	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.021	J F1	0.036	0.0097	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.027	J	0.036	0.0094	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.015	J	0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.0097	J	0.036	0.0071	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.031	J	0.36	0.0062	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.11	J F1	0.36	0.0051	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.070	J	0.36	0.013	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.11	J	0.36	0.0049	mg/Kg	1	☼	8270D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-03_2-4_20200124 (Continued)

Lab Sample ID: 460-201587-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.014	J	0.036	0.014	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	6.3	F1	0.36	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.31	J	0.36	0.0064	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.077	J	0.36	0.0091	mg/Kg	1	☼	8270D	Total/NA
Aluminum	6450		21.0	7.2	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.1		1.1	0.34	mg/Kg	10	☼	6020B	Total/NA
Barium	39.0		2.1	0.70	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.18	J	0.42	0.17	mg/Kg	10	☼	6020B	Total/NA
Calcium	3340		105	31.2	mg/Kg	10	☼	6020B	Total/NA
Chromium	15.3		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.7		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Copper	17.3		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Iron	18800		63.0	22.1	mg/Kg	10	☼	6020B	Total/NA
Lead	8.4		0.63	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2180		105	29.2	mg/Kg	10	☼	6020B	Total/NA
Manganese	262		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	12.6		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Potassium	1070		105	37.8	mg/Kg	10	☼	6020B	Total/NA
Sodium	250		105	32.9	mg/Kg	10	☼	6020B	Total/NA
Vanadium	24.6		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Zinc	30.3		8.4	4.1	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-07_0-2_20200124

Lab Sample ID: 460-201587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.011	J	0.34	0.0096	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.022	J	0.34	0.0035	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.066	J	0.34	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	0.34		0.034	0.012	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	0.30		0.034	0.0091	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	0.42		0.034	0.0089	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.18	J	0.34	0.010	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.18		0.034	0.0067	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.13	J	0.34	0.018	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.042	J	0.34	0.013	mg/Kg	1	☼	8270D	Total/NA
Chrysene	0.36		0.34	0.0058	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.050		0.034	0.015	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.020	J	0.34	0.0048	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	0.60		0.34	0.012	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.029	J	0.34	0.0047	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.17		0.034	0.013	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.017	J	0.34	0.0059	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	0.39		0.34	0.0060	mg/Kg	1	☼	8270D	Total/NA
Pyrene	0.57		0.34	0.0085	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDE	0.0022	J	0.0070	0.00082	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.0090		0.0070	0.0013	mg/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.0032	J p	0.0070	0.0011	mg/Kg	1	☼	8081B	Total/NA
Dieldrin	0.0024		0.0021	0.00090	mg/Kg	1	☼	8081B	Total/NA
Aroclor 1260	0.083		0.070	0.0096	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.083		0.070	0.0096	mg/Kg	1	☼	8082A	Total/NA
Aluminum	5200		19.4	6.6	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-07_0-2_20200124 (Continued) — Lab Sample ID: 460-201587-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	1.0		0.97	0.28	mg/Kg	10	☼	6020B	Total/NA
Arsenic	3.2		0.97	0.31	mg/Kg	10	☼	6020B	Total/NA
Barium	115		1.9	0.64	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.36	J	0.39	0.16	mg/Kg	10	☼	6020B	Total/NA
Cadmium	0.46	J	0.97	0.33	mg/Kg	10	☼	6020B	Total/NA
Calcium	21900		97.1	28.8	mg/Kg	10	☼	6020B	Total/NA
Chromium	12.5		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Cobalt	8.3		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Copper	43.1		1.9	0.56	mg/Kg	10	☼	6020B	Total/NA
Iron	17900		58.2	20.4	mg/Kg	10	☼	6020B	Total/NA
Lead	297		0.58	0.18	mg/Kg	10	☼	6020B	Total/NA
Magnesium	3020		97.1	27.0	mg/Kg	10	☼	6020B	Total/NA
Manganese	200		3.9	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	16.4		1.9	0.63	mg/Kg	10	☼	6020B	Total/NA
Potassium	1100		97.1	34.9	mg/Kg	10	☼	6020B	Total/NA
Sodium	1170		97.1	30.4	mg/Kg	10	☼	6020B	Total/NA
Vanadium	31.6		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Zinc	162		7.8	3.8	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.21		0.016	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-07_18-20_20200124 — Lab Sample ID: 460-201587-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Methylene Chloride	0.00078	J	0.0011	0.00053	mg/Kg	1	☼	8260C	Total/NA
Aluminum	2470		20.9	7.1	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.7		1.0	0.33	mg/Kg	10	☼	6020B	Total/NA
Barium	26.1	F1	2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Calcium	1110		104	31.0	mg/Kg	10	☼	6020B	Total/NA
Chromium	9.7		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.2		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Copper	14.4		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Iron	20900		62.6	21.9	mg/Kg	10	☼	6020B	Total/NA
Lead	4.7		0.63	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	1400	F1	104	29.0	mg/Kg	10	☼	6020B	Total/NA
Manganese	334		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	10.1		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Potassium	432	F1	104	37.5	mg/Kg	10	☼	6020B	Total/NA
Sodium	153		104	32.6	mg/Kg	10	☼	6020B	Total/NA
Vanadium	30.3	F1	2.1	0.59	mg/Kg	10	☼	6020B	Total/NA
Zinc	19.7		8.3	4.1	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-09_0-2_20200124 — Lab Sample ID: 460-201587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2180		19.9	6.8	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.1		0.99	0.32	mg/Kg	10	☼	6020B	Total/NA
Barium	18.3		2.0	0.66	mg/Kg	10	☼	6020B	Total/NA
Calcium	22000		99.3	29.5	mg/Kg	10	☼	6020B	Total/NA
Chromium	5.7		2.0	0.60	mg/Kg	10	☼	6020B	Total/NA
Cobalt	3.0		2.0	0.60	mg/Kg	10	☼	6020B	Total/NA
Copper	7.6		2.0	0.57	mg/Kg	10	☼	6020B	Total/NA
Iron	10100		59.6	20.9	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-09_0-2_20200124 (Continued) — Lab Sample ID: 460-201587-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	4.2		0.60	0.19	mg/Kg	10	☼	6020B	Total/NA
Magnesium	14000		99.3	27.6	mg/Kg	10	☼	6020B	Total/NA
Manganese	265		4.0	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	6.7		2.0	0.65	mg/Kg	10	☼	6020B	Total/NA
Potassium	500		99.3	35.8	mg/Kg	10	☼	6020B	Total/NA
Sodium	96.5	J	99.3	31.1	mg/Kg	10	☼	6020B	Total/NA
Vanadium	10.2		2.0	0.57	mg/Kg	10	☼	6020B	Total/NA
Zinc	19.3		7.9	3.9	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-09_20-22_20200124 — Lab Sample ID: 460-201587-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	4230		19.2	6.6	mg/Kg	10	☼	6020B	Total/NA
Arsenic	2.2		0.96	0.31	mg/Kg	10	☼	6020B	Total/NA
Barium	35.7		1.9	0.64	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.19	J	0.38	0.15	mg/Kg	10	☼	6020B	Total/NA
Calcium	1250		95.9	28.5	mg/Kg	10	☼	6020B	Total/NA
Chromium	10.2		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Cobalt	5.8		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Copper	12.5		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Iron	19900		57.5	20.1	mg/Kg	10	☼	6020B	Total/NA
Lead	5.6		0.58	0.18	mg/Kg	10	☼	6020B	Total/NA
Magnesium	2620		95.9	26.6	mg/Kg	10	☼	6020B	Total/NA
Manganese	551		3.8	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	12.4		1.9	0.62	mg/Kg	10	☼	6020B	Total/NA
Potassium	1140		95.9	34.5	mg/Kg	10	☼	6020B	Total/NA
Sodium	92.4	J	95.9	30.0	mg/Kg	10	☼	6020B	Total/NA
Vanadium	22.5		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Zinc	48.2		7.7	3.7	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-10_0-2_20200124 — Lab Sample ID: 460-201587-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5390		23.2	7.9	mg/Kg	10	☼	6020B	Total/NA
Arsenic	3.7		1.2	0.37	mg/Kg	10	☼	6020B	Total/NA
Barium	56.2		2.3	0.77	mg/Kg	10	☼	6020B	Total/NA
Calcium	13900		116	34.4	mg/Kg	10	☼	6020B	Total/NA
Chromium	14.7		2.3	0.69	mg/Kg	10	☼	6020B	Total/NA
Cobalt	6.3		2.3	0.70	mg/Kg	10	☼	6020B	Total/NA
Copper	15.1		2.3	0.66	mg/Kg	10	☼	6020B	Total/NA
Iron	17800		69.5	24.3	mg/Kg	10	☼	6020B	Total/NA
Lead	15.8		0.69	0.22	mg/Kg	10	☼	6020B	Total/NA
Magnesium	5870		116	32.2	mg/Kg	10	☼	6020B	Total/NA
Manganese	1380		4.6	1.4	mg/Kg	10	☼	6020B	Total/NA
Nickel	15.8		2.3	0.75	mg/Kg	10	☼	6020B	Total/NA
Potassium	779		116	41.7	mg/Kg	10	☼	6020B	Total/NA
Sodium	90.9	J	116	36.2	mg/Kg	10	☼	6020B	Total/NA
Vanadium	33.4		2.3	0.66	mg/Kg	10	☼	6020B	Total/NA
Zinc	27.2		9.3	4.5	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.044		0.019	0.011	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-10_19-21_20200124 — Lab Sample ID: 460-201587-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	2600		19.3	6.6	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.9		0.97	0.31	mg/Kg	10	☼	6020B	Total/NA
Barium	28.7		1.9	0.64	mg/Kg	10	☼	6020B	Total/NA
Calcium	4690		96.7	28.7	mg/Kg	10	☼	6020B	Total/NA
Chromium	9.5		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Cobalt	5.1		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Copper	13.1		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Iron	14900		58.0	20.3	mg/Kg	10	☼	6020B	Total/NA
Lead	7.8		0.58	0.18	mg/Kg	10	☼	6020B	Total/NA
Magnesium	4650		96.7	26.9	mg/Kg	10	☼	6020B	Total/NA
Manganese	345		3.9	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	32.0		1.9	0.63	mg/Kg	10	☼	6020B	Total/NA
Potassium	699		96.7	34.8	mg/Kg	10	☼	6020B	Total/NA
Sodium	89.8	J	96.7	30.3	mg/Kg	10	☼	6020B	Total/NA
Vanadium	14.3		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Zinc	27.1		7.7	3.8	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-11_0-2_20200124 — Lab Sample ID: 460-201587-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
2-Methylnaphthalene	0.050	J	0.36	0.010	mg/Kg	1	☼	8270D	Total/NA
Acenaphthene	0.17	J	0.36	0.027	mg/Kg	1	☼	8270D	Total/NA
Acenaphthylene	0.076	J	0.36	0.0038	mg/Kg	1	☼	8270D	Total/NA
Anthracene	0.44		0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzaldehyde	0.024	J	0.36	0.016	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]anthracene	1.7		0.036	0.013	mg/Kg	1	☼	8270D	Total/NA
Benzo[a]pyrene	1.4		0.036	0.0097	mg/Kg	1	☼	8270D	Total/NA
Benzo[b]fluoranthene	2.1		0.036	0.0094	mg/Kg	1	☼	8270D	Total/NA
Benzo[g,h,i]perylene	0.60		0.36	0.011	mg/Kg	1	☼	8270D	Total/NA
Benzo[k]fluoranthene	0.83		0.036	0.0072	mg/Kg	1	☼	8270D	Total/NA
Bis(2-ethylhexyl) phthalate	0.30	J	0.36	0.019	mg/Kg	1	☼	8270D	Total/NA
Butyl benzyl phthalate	0.041	J	0.36	0.017	mg/Kg	1	☼	8270D	Total/NA
Carbazole	0.32	J	0.36	0.014	mg/Kg	1	☼	8270D	Total/NA
Chrysene	1.7		0.36	0.0062	mg/Kg	1	☼	8270D	Total/NA
Dibenz(a,h)anthracene	0.20		0.036	0.016	mg/Kg	1	☼	8270D	Total/NA
Dibenzofuran	0.12	J	0.36	0.0051	mg/Kg	1	☼	8270D	Total/NA
Fluoranthene	3.3		0.36	0.013	mg/Kg	1	☼	8270D	Total/NA
Fluorene	0.19	J	0.36	0.0050	mg/Kg	1	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	0.67		0.036	0.014	mg/Kg	1	☼	8270D	Total/NA
Naphthalene	0.089	J	0.36	0.0063	mg/Kg	1	☼	8270D	Total/NA
Phenanthrene	2.4		0.36	0.0064	mg/Kg	1	☼	8270D	Total/NA
Pyrene	2.7		0.36	0.0091	mg/Kg	1	☼	8270D	Total/NA
4,4'-DDD	0.020		0.0074	0.0013	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDE	0.018		0.0074	0.00087	mg/Kg	1	☼	8081B	Total/NA
4,4'-DDT	0.033		0.0074	0.0014	mg/Kg	1	☼	8081B	Total/NA
cis-Chlordane	0.0066	J p	0.0074	0.0012	mg/Kg	1	☼	8081B	Total/NA
trans-Chlordane	0.0051	J p	0.0074	0.0013	mg/Kg	1	☼	8081B	Total/NA
Aroclor-1262	0.14		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Polychlorinated biphenyls, Total	0.14		0.074	0.010	mg/Kg	1	☼	8082A	Total/NA
Aluminum	6880		20.8	7.1	mg/Kg	10	☼	6020B	Total/NA
Arsenic	11.0		1.0	0.33	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-11_0-2_20200124 (Continued) — Lab Sample ID: 460-201587-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	629		2.1	0.69	mg/Kg	10	☼	6020B	Total/NA
Cadmium	1.3		1.0	0.35	mg/Kg	10	☼	6020B	Total/NA
Calcium	25800		104	30.9	mg/Kg	10	☼	6020B	Total/NA
Chromium	22.5		2.1	0.62	mg/Kg	10	☼	6020B	Total/NA
Cobalt	5.5		2.1	0.63	mg/Kg	10	☼	6020B	Total/NA
Copper	118		2.1	0.60	mg/Kg	10	☼	6020B	Total/NA
Iron	17600		62.5	21.9	mg/Kg	10	☼	6020B	Total/NA
Lead	667		0.62	0.20	mg/Kg	10	☼	6020B	Total/NA
Magnesium	3560		104	29.0	mg/Kg	10	☼	6020B	Total/NA
Manganese	229		4.2	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	19.6		2.1	0.68	mg/Kg	10	☼	6020B	Total/NA
Potassium	909		104	37.5	mg/Kg	10	☼	6020B	Total/NA
Selenium	1.1	J	5.2	0.30	mg/Kg	10	☼	6020B	Total/NA
Sodium	1040		104	32.6	mg/Kg	10	☼	6020B	Total/NA
Thallium	0.18	J	0.42	0.13	mg/Kg	10	☼	6020B	Total/NA
Vanadium	59.5		2.1	0.59	mg/Kg	10	☼	6020B	Total/NA
Zinc	522		8.3	4.1	mg/Kg	10	☼	6020B	Total/NA
Mercury	0.39		0.018	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-11_19-21_20200124 — Lab Sample ID: 460-201587-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Aluminum	5720		21.8	7.5	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.8		1.1	0.35	mg/Kg	10	☼	6020B	Total/NA
Barium	24.4		2.2	0.72	mg/Kg	10	☼	6020B	Total/NA
Beryllium	0.24	J	0.44	0.18	mg/Kg	10	☼	6020B	Total/NA
Calcium	1730		109	32.4	mg/Kg	10	☼	6020B	Total/NA
Chromium	18.4		2.2	0.65	mg/Kg	10	☼	6020B	Total/NA
Cobalt	7.6		2.2	0.66	mg/Kg	10	☼	6020B	Total/NA
Copper	19.2		2.2	0.63	mg/Kg	10	☼	6020B	Total/NA
Iron	21500		65.5	22.9	mg/Kg	10	☼	6020B	Total/NA
Lead	7.6		0.65	0.21	mg/Kg	10	☼	6020B	Total/NA
Magnesium	3000		109	30.3	mg/Kg	10	☼	6020B	Total/NA
Manganese	260		4.4	1.3	mg/Kg	10	☼	6020B	Total/NA
Nickel	14.0		2.2	0.71	mg/Kg	10	☼	6020B	Total/NA
Potassium	872		109	39.3	mg/Kg	10	☼	6020B	Total/NA
Sodium	154		109	34.2	mg/Kg	10	☼	6020B	Total/NA
Thallium	0.15	J	0.44	0.14	mg/Kg	10	☼	6020B	Total/NA
Vanadium	27.0		2.2	0.62	mg/Kg	10	☼	6020B	Total/NA
Zinc	33.5		8.7	4.3	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: SB-12_18-20_20200124 — Lab Sample ID: 460-201587-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Tetrachloroethene	0.00028	J	0.0012	0.00017	mg/Kg	1	☼	8260C	Total/NA
Aluminum	3100		19.2	6.6	mg/Kg	10	☼	6020B	Total/NA
Arsenic	1.6		0.96	0.31	mg/Kg	10	☼	6020B	Total/NA
Barium	41.3		1.9	0.64	mg/Kg	10	☼	6020B	Total/NA
Calcium	6000		96.0	28.5	mg/Kg	10	☼	6020B	Total/NA
Chromium	8.4		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Cobalt	3.6		1.9	0.58	mg/Kg	10	☼	6020B	Total/NA
Copper	8.7		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: SB-12_18-20_20200124 (Continued)
Lab Sample ID: 460-201587-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	17300		57.6	20.2	mg/Kg	10	☼	6020B	Total/NA
Lead	4.1		0.58	0.18	mg/Kg	10	☼	6020B	Total/NA
Magnesium	3240		96.0	26.7	mg/Kg	10	☼	6020B	Total/NA
Manganese	381		3.8	1.2	mg/Kg	10	☼	6020B	Total/NA
Nickel	11.8		1.9	0.62	mg/Kg	10	☼	6020B	Total/NA
Potassium	759		96.0	34.5	mg/Kg	10	☼	6020B	Total/NA
Sodium	328		96.0	30.0	mg/Kg	10	☼	6020B	Total/NA
Vanadium	14.8		1.9	0.55	mg/Kg	10	☼	6020B	Total/NA
Zinc	18.0		7.7	3.7	mg/Kg	10	☼	6020B	Total/NA

Client Sample ID: TB-01_20200124
Lab Sample ID: 460-201587-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.2		1.0	0.33	ug/L	1		8260C	Total/NA

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: TB-01_20200120
Date Collected: 01/20/20 03:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/26/20 10:44	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/26/20 10:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/26/20 10:44	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 10:44	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/26/20 10:44	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/26/20 10:44	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/26/20 10:44	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/26/20 10:44	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/26/20 10:44	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/26/20 10:44	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 10:44	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/26/20 10:44	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/26/20 10:44	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/26/20 10:44	1
1,4-Dioxane	28	U	50	28	ug/L			01/26/20 10:44	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/26/20 10:44	1
2-Hexanone	1.1	U *	5.0	1.1	ug/L			01/26/20 10:44	1
4-Methyl-2-pentanone (MIBK)	1.3	U *	5.0	1.3	ug/L			01/26/20 10:44	1
Acetone	4.4	U	5.0	4.4	ug/L			01/26/20 10:44	1
Benzene	0.20	U	1.0	0.20	ug/L			01/26/20 10:44	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/26/20 10:44	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/26/20 10:44	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/26/20 10:44	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/26/20 10:44	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/26/20 10:44	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/26/20 10:44	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/26/20 10:44	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/26/20 10:44	1
Chloroform	**0.90**	**J**	1.0	0.33	ug/L			01/26/20 10:44	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/26/20 10:44	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/26/20 10:44	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/26/20 10:44	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/26/20 10:44	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/26/20 10:44	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/26/20 10:44	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/26/20 10:44	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/26/20 10:44	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/26/20 10:44	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/26/20 10:44	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/26/20 10:44	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/26/20 10:44	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/26/20 10:44	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/26/20 10:44	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/26/20 10:44	1
Styrene	0.42	U	1.0	0.42	ug/L			01/26/20 10:44	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/26/20 10:44	1
Toluene	0.38	U	1.0	0.38	ug/L			01/26/20 10:44	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/26/20 10:44	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/26/20 10:44	1

Client Sample ID: TB-01_20200120

Lab Sample ID: 460-201296-1

Date Collected: 01/20/20 03:40

Matrix: Water

Date Received: 01/21/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/26/20 10:44	1
Trichlorofluoromethane	0.32	U *	1.0	0.32	ug/L			01/26/20 10:44	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/26/20 10:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*74 - 132*		*01/26/20 10:44*	*1*
4-Bromofluorobenzene	*83*		*77 - 124*		*01/26/20 10:44*	*1*
Dibromofluoromethane (Surr)	*86*		*72 - 131*		*01/26/20 10:44*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/26/20 10:44*	*1*

Client Sample ID: SB-06_0.5-2.5_20200121

Lab Sample ID: 460-201296-2

Date Collected: 01/21/20 00:45

Matrix: Solid

Date Received: 01/21/20 18:30

Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00024	U	0.0010	0.00024	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,1,2,2-Tetrachloroethane	0.00022	U	0.0010	0.00022	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00031	U	0.0010	0.00031	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2-Dibromo-3-Chloropropane	0.00047	U	0.0010	0.00047	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2-Dichlorobenzene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,2-Dichloropropane	0.00043	U	0.0010	0.00043	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
2-Butanone (MEK)	0.0027	U	0.0051	0.0027	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
2-Hexanone	0.0017	U	0.0051	0.0017	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0051	0.0016	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Acetone	0.0058	U	0.0061	0.0058	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Bromomethane	0.00048	U *	0.0010	0.00048	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Carbon tetrachloride	0.00039	U *	0.0010	0.00039	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chlorodibromomethane	0.00020	U	0.0010	0.00020	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chloroethane	0.00053	U	0.0010	0.00053	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Chloromethane	0.00044	U *	0.0010	0.00044	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
cis-1,3-Dichloropropene	0.00028	U	0.0010	0.00028	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Dichlorodifluoromethane	0.00034	U *	0.0010	0.00034	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-06_0.5-2.5_20200121
Date Collected: 01/21/20 00:45
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-2
Matrix: Solid
Percent Solids: 92.0

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Methyl acetate	0.0044	U	0.0051	0.0044	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Methylcyclohexane	0.00051	U	0.0010	0.00051	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Methylene Chloride	0.00047	U	0.0010	0.00047	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
m-Xylene & p-Xylene	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
o-Xylene	0.00020	U	0.0010	0.00020	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Toluene	0.00024	U	0.0010	0.00024	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Trichlorofluoromethane	0.00041	U *	0.0010	0.00041	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg	☼	01/22/20 11:19	01/30/20 16:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*78 - 135*	*01/22/20 11:19*	*01/30/20 16:14*	*1*
4-Bromofluorobenzene	*101*		*67 - 126*	*01/22/20 11:19*	*01/30/20 16:14*	*1*
Dibromofluoromethane (Surr)	*99*		*61 - 149*	*01/22/20 11:19*	*01/30/20 16:14*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*	*01/22/20 11:19*	*01/30/20 16:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0048	U	0.36	0.0048	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
1,4-Dioxane	0.0099	U	0.11	0.0099	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,2'-oxybis[1-chloropropane]	0.0065	U	0.36	0.0065	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,3,4,6-Tetrachlorophenol	0.024	U	0.36	0.024	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4,5-Trichlorophenol	0.037	U	0.36	0.037	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4,6-Trichlorophenol	0.046	U	0.14	0.046	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4-Dichlorophenol	0.023	U	0.14	0.023	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4-Dinitrophenol	0.18	U	0.29	0.18	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,4-Dinitrotoluene	0.039	U	0.073	0.039	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2,6-Dinitrotoluene	0.026	U	0.073	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Chloronaphthalene	0.017	U	0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Chlorophenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Methylnaphthalene	0.010	U	0.36	0.010	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Methylphenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Nitroaniline	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
2-Nitrophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
3,3'-Dichlorobenzidine	0.054	U	0.14	0.054	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
3-Nitroaniline	0.040	U	0.36	0.040	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4,6-Dinitro-2-methylphenol	0.058	U	0.29	0.058	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Chloroaniline	0.025	U	0.36	0.025	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1

Client Sample ID: SB-06_0.5-2.5_20200121
Date Collected: 01/21/20 00:45
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-2
Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Methylphenol	0.022	U	0.36	0.022	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
4-Nitrophenol	0.059	U	0.73	0.059	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Acenaphthene	0.026	U	0.36	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Acenaphthylene	0.0037	U	0.36	0.0037	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Acetophenone	0.018	U	0.36	0.018	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Anthracene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Atrazine	0.0091	U	0.14	0.0091	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzaldehyde	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzo[a]anthracene	0.013	U	0.036	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzo[a]pyrene	0.0096	U *	0.036	0.0096	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzo[b]fluoranthene	0.0093	U	0.036	0.0093	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzo[g,h,i]perylene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Benzo[k]fluoranthene	0.0070	U	0.036	0.0070	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Bis(2-chloroethoxy)methane	0.028	U	0.36	0.028	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Bis(2-chloroethyl)ether	0.013	U	0.036	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Bis(2-ethylhexyl) phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Butyl benzyl phthalate	**0.72**		0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Caprolactam	0.056	U	0.36	0.056	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Carbazole	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Chrysene	0.0061	U	0.36	0.0061	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Dibenz(a,h)anthracene	0.016	U	0.036	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Dibenzofuran	0.0050	U	0.36	0.0050	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Diethyl phthalate	0.0052	U	0.36	0.0052	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Dimethyl phthalate	0.082	U	0.36	0.082	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Di-n-butyl phthalate	0.063	U	0.36	0.063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Fluoranthene	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Fluorene	0.0049	U	0.36	0.0049	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Hexachlorobutadiene	0.0076	U	0.073	0.0076	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Hexachlorocyclopentadiene	0.032	U	0.36	0.032	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Hexachloroethane	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Indeno[1,2,3-cd]pyrene	0.014	U	0.036	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Naphthalene	0.0062	U	0.36	0.0062	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Nitrobenzene	0.0086	U	0.036	0.0086	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
N-Nitrosodi-n-propylamine	0.026	U	0.036	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
N-Nitrosodiphenylamine	0.0069	U	0.36	0.0069	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Pentachlorophenol	0.074	U	0.29	0.074	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Phenanthrene	0.0063	U	0.36	0.0063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1
Pyrene	0.0089	U	0.36	0.0089	mg/Kg	☼	01/25/20 12:43	01/26/20 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 137*	*01/25/20 12:43*	*01/26/20 03:09*	*1*
2-Fluorobiphenyl	*29*		*29 - 107*	*01/25/20 12:43*	*01/26/20 03:09*	*1*
2-Fluorophenol (Surr)	*45*		*20 - 115*	*01/25/20 12:43*	*01/26/20 03:09*	*1*
Nitrobenzene-d5 (Surr)	*34*		*25 - 113*	*01/25/20 12:43*	*01/26/20 03:09*	*1*

Client Sample ID: SB-06_0.5-2.5_20200121

Date Collected: 01/21/20 00:45
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-2

Matrix: Solid
Percent Solids: 92.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*48*		*28 - 109*	*01/25/20 12:43*	*01/26/20 03:09*	*1*
Terphenyl-d14 (Surr)	*60*		*27 - 123*	*01/25/20 12:43*	*01/26/20 03:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0073	0.0012	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
4,4'-DDE	0.00086	U	0.0073	0.00086	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
4,4'-DDT	0.0013	U	0.0073	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Aldrin	0.0011	U	0.0073	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
alpha-BHC	0.00074	U	0.0022	0.00074	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
beta-BHC	0.00082	U	0.0022	0.00082	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Chlordane (n.o.s.)	0.018	U	0.073	0.018	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
cis-Chlordane	0.0012	U	0.0073	0.0012	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
delta-BHC	0.00045	U	0.0022	0.00045	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Dieldrin	0.00095	U	0.0022	0.00095	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endosulfan I	0.0011	U	0.0073	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endosulfan II	0.0019	U	0.0073	0.0019	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endosulfan sulfate	0.00091	U	0.0073	0.00091	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endrin	0.0010	U	0.0073	0.0010	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endrin aldehyde	0.0017	U	0.0073	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Endrin ketone	0.0014	U	0.0073	0.0014	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
gamma-BHC (Lindane)	0.00067	U	0.0022	0.00067	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Heptachlor	0.00086	U	0.0073	0.00086	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Heptachlor epoxide	0.0011	U	0.0073	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Methoxychlor	0.0017	U	0.0073	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
Toxaphene	0.026	U	0.073	0.026	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1
trans-Chlordane	0.0013	U	0.0073	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 15:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*85*		*49 - 150*	*01/22/20 20:30*	*01/23/20 15:13*	*1*
DCB Decachlorobiphenyl	*85*		*49 - 150*	*01/22/20 20:30*	*01/23/20 15:13*	*1*
Tetrachloro-m-xylene	*62*		*47 - 150*	*01/22/20 20:30*	*01/23/20 15:13*	*1*
Tetrachloro-m-xylene	*74*		*47 - 150*	*01/22/20 20:30*	*01/23/20 15:13*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0097	U	0.073	0.0097	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1221	0.0097	U	0.073	0.0097	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1232	0.0097	U	0.073	0.0097	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1242	0.0097	U	0.073	0.0097	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1248	0.0097	U	0.073	0.0097	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1254	0.010	U	0.073	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1260	0.010	U	0.073	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor-1262	0.010	U	0.073	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Aroclor 1268	0.010	U	0.073	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1
Polychlorinated biphenyls, Total	0.010	U	0.073	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 21:48	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*90*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:48*	*1*
DCB Decachlorobiphenyl	*98*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:48*	*1*

Client Sample ID: SB-06_0.5-2.5_20200121

Lab Sample ID: 460-201296-2
Date Collected: 01/21/20 00:45
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.0

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5340**		20.5	7.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Antimony	0.30	U	1.0	0.30	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Arsenic	**2.1**		1.0	0.33	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Barium	**32.2**		2.1	0.68	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Beryllium	**0.19**	**J**	0.41	0.17	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Cadmium	0.34	U	1.0	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Calcium	**1420**		103	30.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Chromium	**14.6**		2.1	0.62	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Cobalt	**6.2**		2.1	0.62	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Copper	**21.9**		2.1	0.59	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Iron	**20400**		61.5	21.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Lead	**5.8**		0.62	0.19	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Magnesium	**1930**		103	28.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Manganese	**321**		4.1	1.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Nickel	**9.8**		2.1	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Potassium	**916**		103	36.9	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Selenium	0.30	U	5.1	0.30	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Silver	0.63	U	1.0	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Sodium	**208**		103	32.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Thallium	0.13	U	0.41	0.13	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Vanadium	**22.2**		2.1	0.58	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10
Zinc	**28.7**		8.2	4.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:45	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.011	U	0.018	0.011	mg/Kg	☼	01/30/20 04:46	01/30/20 10:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**8.0**		1.0	1.0	%			01/28/20 20:03	1
Percent Solids	**92.0**		1.0	1.0	%			01/28/20 20:03	1

Client Sample ID: SB-06_2.5-3.5_20200121

Lab Sample ID: 460-201296-3
Date Collected: 01/21/20 01:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.00098	0.00023	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.00098	0.00021	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00029	U	0.00098	0.00029	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,1,2-Trichloroethane	0.00017	U	0.00098	0.00017	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,1-Dichloroethane	0.00020	U	0.00098	0.00020	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,1-Dichloroethene	0.00022	U	0.00098	0.00022	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2,3-Trichlorobenzene	0.00018	U	0.00098	0.00018	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2,4-Trichlorobenzene	0.00035	U	0.00098	0.00035	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2-Dibromo-3-Chloropropane	0.00045	U	0.00098	0.00045	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2-Dichlorobenzene	0.00014	U	0.00098	0.00014	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2-Dichloroethane	0.00029	U	0.00098	0.00029	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,2-Dichloropropane	0.00041	U	0.00098	0.00041	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1

Client Sample ID: SB-06_2.5-3.5_20200121

Date Collected: 01/21/20 01:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-3

Matrix: Solid
Percent Solids: 92.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.00016	U	0.00098	0.00016	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
1,4-Dichlorobenzene	0.00022	U	0.00098	0.00022	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
2-Butanone (MEK)	0.0026	U	0.0049	0.0026	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
2-Hexanone	0.0017	U	0.0049	0.0017	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
4-Methyl-2-pentanone (MIBK)	0.0015	U	0.0049	0.0015	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Acetone	0.0056	U	0.0059	0.0056	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Benzene	0.00025	U	0.00098	0.00025	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Bromoform	0.00041	U	0.00098	0.00041	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Bromomethane	0.00046	U *	0.00098	0.00046	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Carbon disulfide	0.00026	U	0.00098	0.00026	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Carbon tetrachloride	0.00038	U *	0.00098	0.00038	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chlorobenzene	0.00017	U	0.00098	0.00017	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chlorobromomethane	0.00027	U	0.00098	0.00027	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chlorodibromomethane	0.00019	U	0.00098	0.00019	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chloroethane	0.00051	U	0.00098	0.00051	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chloroform	0.00031	U	0.00098	0.00031	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Chloromethane	0.00042	U *	0.00098	0.00042	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
cis-1,2-Dichloroethene	0.00015	U	0.00098	0.00015	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
cis-1,3-Dichloropropene	0.00027	U	0.00098	0.00027	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Cyclohexane	0.00022	U	0.00098	0.00022	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Dichlorobromomethane	0.00025	U	0.00098	0.00025	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Dichlorodifluoromethane	0.00033	U *	0.00098	0.00033	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Ethylbenzene	0.00019	U	0.00098	0.00019	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Ethylene Dibromide	0.00018	U	0.00098	0.00018	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Isopropylbenzene	0.00012	U	0.00098	0.00012	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Methyl acetate	0.0042	U	0.0049	0.0042	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Methyl tert-butyl ether	0.00012	U	0.00098	0.00012	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Methylcyclohexane	0.00049	U	0.00098	0.00049	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Methylene Chloride	**0.00060**	**J**	0.00098	0.00045	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
m-Xylene & p-Xylene	0.00017	U	0.00098	0.00017	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
o-Xylene	0.00019	U	0.00098	0.00019	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Styrene	0.00027	U	0.00098	0.00027	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Tetrachloroethene	0.00014	U	0.00098	0.00014	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Toluene	0.00023	U	0.00098	0.00023	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
trans-1,2-Dichloroethene	0.00024	U	0.00098	0.00024	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
trans-1,3-Dichloropropene	0.00026	U	0.00098	0.00026	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Trichloroethene	0.00014	U	0.00098	0.00014	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Trichlorofluoromethane	0.00040	U *	0.00098	0.00040	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1
Vinyl chloride	0.00053	U	0.00098	0.00053	mg/Kg	☼	01/22/20 11:20	01/30/20 16:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*	*01/22/20 11:20*	*01/30/20 16:38*	*1*
4-Bromofluorobenzene	*99*		*67 - 126*	*01/22/20 11:20*	*01/30/20 16:38*	*1*
Dibromofluoromethane (Surr)	*102*		*61 - 149*	*01/22/20 11:20*	*01/30/20 16:38*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*	*01/22/20 11:20*	*01/30/20 16:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0047	U	0.36	0.0047	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-06_2.5-3.5_20200121
Date Collected: 01/21/20 01:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-3
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.0098	U	0.11	0.0098	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,2'-oxybis[1-chloropropane]	0.0065	U	0.36	0.0065	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,3,4,6-Tetrachlorophenol	0.024	U	0.36	0.024	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4,5-Trichlorophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4,6-Trichlorophenol	0.046	U	0.14	0.046	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4-Dichlorophenol	0.023	U	0.14	0.023	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4-Dinitrophenol	0.18	U	0.29	0.18	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,4-Dinitrotoluene	0.038	U	0.072	0.038	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2,6-Dinitrotoluene	0.026	U	0.072	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Chloronaphthalene	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Chlorophenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Methylnaphthalene	0.010	U	0.36	0.010	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Methylphenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Nitroaniline	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
2-Nitrophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
3,3'-Dichlorobenzidine	0.054	U	0.14	0.054	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
3-Nitroaniline	0.040	U	0.36	0.040	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4,6-Dinitro-2-methylphenol	0.058	U	0.29	0.058	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Chloroaniline	0.025	U	0.36	0.025	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Methylphenol	0.022	U	0.36	0.022	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
4-Nitrophenol	0.058	U	0.72	0.058	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Acenaphthene	0.026	U	0.36	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Acenaphthylene	0.0037	U	0.36	0.0037	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Acetophenone	0.017	U	0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Anthracene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Atrazine	0.0090	U	0.14	0.0090	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzaldehyde	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzo[a]anthracene	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzo[a]pyrene	0.0095	U *	0.036	0.0095	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzo[b]fluoranthene	0.0092	U	0.036	0.0092	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzo[g,h,i]perylene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Benzo[k]fluoranthene	0.0070	U	0.036	0.0070	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Bis(2-chloroethoxy)methane	0.028	U	0.36	0.028	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Bis(2-chloroethyl)ether	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Bis(2-ethylhexyl) phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Butyl benzyl phthalate	0.017	U	0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Caprolactam	0.055	U	0.36	0.055	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Carbazole	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Chrysene	0.0060	U	0.36	0.0060	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Dibenz(a,h)anthracene	0.015	U	0.036	0.015	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Dibenzofuran	0.0050	U	0.36	0.0050	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Diethyl phthalate	0.0052	U	0.36	0.0052	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Dimethyl phthalate	0.081	U	0.36	0.081	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Di-n-butyl phthalate	0.063	U	0.36	0.063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-06_2.5-3.5_20200121
Date Collected: 01/21/20 01:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-3
Matrix: Solid
Percent Solids: 92.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Fluoranthene	0.012	U	0.36	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Fluorene	0.0048	U	0.36	0.0048	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Hexachlorobutadiene	0.0076	U	0.072	0.0076	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Hexachlorocyclopentadiene	0.031	U	0.36	0.031	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Hexachloroethane	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Indeno[1,2,3-cd]pyrene	0.014	U	0.036	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Naphthalene	0.0062	U	0.36	0.0062	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Nitrobenzene	0.0086	U	0.036	0.0086	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
N-Nitrosodi-n-propylamine	0.026	U	0.036	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
N-Nitrosodiphenylamine	0.0068	U	0.36	0.0068	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Pentachlorophenol	0.073	U	0.29	0.073	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Phenanthrene	0.0063	U	0.36	0.0063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1
Pyrene	0.0089	U	0.36	0.0089	mg/Kg	☼	01/25/20 12:43	01/26/20 03:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 137*	*01/25/20 12:43*	*01/26/20 03:26*	*1*
2-Fluorobiphenyl	*43*		*29 - 107*	*01/25/20 12:43*	*01/26/20 03:26*	*1*
2-Fluorophenol (Surr)	*70*		*20 - 115*	*01/25/20 12:43*	*01/26/20 03:26*	*1*
Nitrobenzene-d5 (Surr)	*51*		*25 - 113*	*01/25/20 12:43*	*01/26/20 03:26*	*1*
Phenol-d5 (Surr)	*72*		*28 - 109*	*01/25/20 12:43*	*01/26/20 03:26*	*1*
Terphenyl-d14 (Surr)	*28*		*27 - 123*	*01/25/20 12:43*	*01/26/20 03:26*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0072	0.0012	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
4,4'-DDE	0.00085	U	0.0072	0.00085	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
4,4'-DDT	0.0013	U	0.0072	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Aldrin	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
alpha-BHC	0.00073	U	0.0022	0.00073	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
beta-BHC	0.00081	U	0.0022	0.00081	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Chlordane (n.o.s.)	0.017	U	0.072	0.017	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
cis-Chlordane	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
delta-BHC	0.00044	U	0.0022	0.00044	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Dieldrin	0.00094	U	0.0022	0.00094	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endosulfan I	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endosulfan II	0.0019	U	0.0072	0.0019	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endosulfan sulfate	0.00091	U	0.0072	0.00091	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endrin	0.0010	U	0.0072	0.0010	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endrin aldehyde	0.0017	U	0.0072	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Endrin ketone	0.0014	U	0.0072	0.0014	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
gamma-BHC (Lindane)	0.00067	U	0.0022	0.00067	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Heptachlor	0.00085	U	0.0072	0.00085	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Heptachlor epoxide	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Methoxychlor	0.0017	U	0.0072	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
Toxaphene	0.026	U	0.072	0.026	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1
trans-Chlordane	0.0013	U	0.0072	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 10:51	1

Client Sample ID: SB-06_2.5-3.5_20200121

Date Collected: 01/21/20 01:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-3

Matrix: Solid
Percent Solids: 92.7

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*49 - 150*	*01/22/20 20:30*	*01/23/20 10:51*	*1*
DCB Decachlorobiphenyl	*72*		*49 - 150*	*01/22/20 20:30*	*01/23/20 10:51*	*1*
Tetrachloro-m-xylene	*67*		*47 - 150*	*01/22/20 20:30*	*01/23/20 10:51*	*1*
Tetrachloro-m-xylene	*73*		*47 - 150*	*01/22/20 20:30*	*01/23/20 10:51*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1221	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1232	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1242	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1248	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1254	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1260	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor-1262	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Aroclor 1268	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1
Polychlorinated biphenyls, Total	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:30*	*1*
DCB Decachlorobiphenyl	*98*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:30*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5480**		19.8	6.8	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Antimony	0.29	U	0.99	0.29	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Arsenic	**1.5**		0.99	0.32	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Barium	**37.1**		2.0	0.66	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Beryllium	**0.21**	**J**	0.40	0.16	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Cadmium	0.33	U	0.99	0.33	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Calcium	**737**		99.0	29.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Chromium	**12.7**		2.0	0.59	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Cobalt	**6.4**		2.0	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Copper	**16.1**		2.0	0.57	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Iron	**16400**		59.4	20.8	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Lead	**4.8**		0.59	0.19	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Magnesium	**1870**		99.0	27.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Manganese	**365**		4.0	1.2	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Nickel	**10.4**		2.0	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Potassium	**989**		99.0	35.6	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Selenium	0.29	U	4.9	0.29	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Silver	0.61	U	0.99	0.61	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Sodium	**193**		99.0	31.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Thallium	0.12	U	0.40	0.12	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Vanadium	**22.4**		2.0	0.56	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10
Zinc	**27.1**		7.9	3.9	mg/Kg	☼	01/30/20 03:06	01/30/20 14:47	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.017	0.010	mg/Kg	☼	01/30/20 04:46	01/30/20 10:26	1

Client Sample ID: SB-06_2.5-3.5_20200121

Lab Sample ID: 460-201296-3
Date Collected: 01/21/20 01:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.3**		1.0	1.0	%			01/28/20 20:03	1
Percent Solids	**92.7**		1.0	1.0	%			01/28/20 20:03	1

Client Sample ID: SB-05_0.5-2.5_20200121

Lab Sample ID: 460-201296-4
Date Collected: 01/21/20 02:20
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0013	0.00029	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00038	U	0.0013	0.00038	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,1,2-Trichloroethane	0.00022	U	0.0013	0.00022	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,1-Dichloroethene	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2,4-Trichlorobenzene	0.00045	U	0.0013	0.00045	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2-Dibromo-3-Chloropropane	0.00058	U	0.0013	0.00058	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2-Dichlorobenzene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2-Dichloroethane	0.00037	U	0.0013	0.00037	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,2-Dichloropropane	0.00053	U	0.0013	0.00053	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,3-Dichlorobenzene	0.00020	U	0.0013	0.00020	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
1,4-Dichlorobenzene	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
2-Butanone (MEK)	**0.013**		0.0063	0.0034	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
2-Hexanone	0.0022	U	0.0063	0.0022	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
4-Methyl-2-pentanone (MIBK)	0.0020	U	0.0063	0.0020	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Acetone	**0.043**		0.0076	0.0072	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Benzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Bromoform	0.00054	U	0.0013	0.00054	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Bromomethane	0.00060	U	0.0013	0.00060	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Carbon disulfide	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Carbon tetrachloride	0.00049	U	0.0013	0.00049	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chlorobenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chlorobromomethane	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chlorodibromomethane	0.00024	U	0.0013	0.00024	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chloroethane	0.00066	U	0.0013	0.00066	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chloroform	0.00040	U	0.0013	0.00040	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Chloromethane	0.00055	U	0.0013	0.00055	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
cis-1,2-Dichloroethene	0.00019	U	0.0013	0.00019	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
cis-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Dichlorobromomethane	0.00032	U *	0.0013	0.00032	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Dichlorodifluoromethane	0.00043	U	0.0013	0.00043	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Ethylbenzene	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Isopropylbenzene	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Methyl acetate	**0.48**		0.0063	0.0054	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Methyl tert-butyl ether	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Methylcyclohexane	0.00063	U	0.0013	0.00063	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Methylene Chloride	0.00059	U	0.0013	0.00059	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-05_0.5-2.5_20200121
Date Collected: 01/21/20 02:20
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-4
Matrix: Solid
Percent Solids: 92.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**0.00037**	**J**	0.0013	0.00022	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
o-Xylene	0.00024	U	0.0013	0.00024	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Styrene	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Tetrachloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Toluene	0.00030	U	0.0013	0.00030	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
trans-1,2-Dichloroethene	0.00031	U	0.0013	0.00031	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
trans-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Trichloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Trichlorofluoromethane	0.00051	U	0.0013	0.00051	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1
Vinyl chloride	0.00069	U	0.0013	0.00069	mg/Kg	☼	01/22/20 11:21	01/25/20 20:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*	*01/22/20 11:21*	*01/25/20 20:26*	*1*
4-Bromofluorobenzene	*102*		*67 - 126*	*01/22/20 11:21*	*01/25/20 20:26*	*1*
Dibromofluoromethane (Surr)	*96*		*61 - 149*	*01/22/20 11:21*	*01/25/20 20:26*	*1*
Toluene-d8 (Surr)	*103*		*73 - 121*	*01/22/20 11:21*	*01/25/20 20:26*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0047	U	0.36	0.0047	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
1,4-Dioxane	0.0098	U	0.11	0.0098	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,2'-oxybis[1-chloropropane]	0.0064	U	0.36	0.0064	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,3,4,6-Tetrachlorophenol	0.024	U	0.36	0.024	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4,5-Trichlorophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4,6-Trichlorophenol	0.046	U	0.14	0.046	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4-Dichlorophenol	0.023	U	0.14	0.023	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4-Dinitrophenol	0.17	U	0.29	0.17	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,4-Dinitrotoluene	0.038	U	0.072	0.038	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2,6-Dinitrotoluene	0.026	U	0.072	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Chloronaphthalene	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Chlorophenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Methylnaphthalene	0.010	U	0.36	0.010	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Methylphenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Nitroaniline	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
2-Nitrophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
3,3'-Dichlorobenzidine	0.054	U	0.14	0.054	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
3-Nitroaniline	0.040	U	0.36	0.040	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4,6-Dinitro-2-methylphenol	0.058	U	0.29	0.058	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Chloroaniline	0.025	U	0.36	0.025	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Methylphenol	0.022	U	0.36	0.022	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
4-Nitrophenol	0.058	U	0.72	0.058	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Acenaphthene	0.026	U	0.36	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Acenaphthylene	0.0037	U	0.36	0.0037	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Acetophenone	0.017	U	0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1

Client Sample ID: SB-05_0.5-2.5_20200121
Date Collected: 01/21/20 02:20
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-4
Matrix: Solid
Percent Solids: 92.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.026**	**J**	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Atrazine	0.0090	U	0.14	0.0090	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzaldehyde	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzo[a]anthracene	**0.092**		0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzo[a]pyrene	**0.072**	*	0.036	0.0095	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzo[b]fluoranthene	**0.091**		0.036	0.0092	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzo[g,h,i]perylene	**0.046**	**J**	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Benzo[k]fluoranthene	**0.038**		0.036	0.0070	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Bis(2-chloroethoxy)methane	0.028	U	0.36	0.028	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Bis(2-chloroethyl)ether	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Bis(2-ethylhexyl) phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Butyl benzyl phthalate	**0.42**		0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Caprolactam	0.055	U	0.36	0.055	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Carbazole	**0.018**	**J**	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Chrysene	**0.091**	**J**	0.36	0.0060	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Dibenz(a,h)anthracene	0.015	U	0.036	0.015	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Dibenzofuran	0.0050	U	0.36	0.0050	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Diethyl phthalate	0.0052	U	0.36	0.0052	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Dimethyl phthalate	0.081	U	0.36	0.081	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Di-n-butyl phthalate	0.063	U	0.36	0.063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Fluoranthene	**0.17**	**J**	0.36	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Fluorene	0.0048	U	0.36	0.0048	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Hexachlorobutadiene	0.0076	U	0.072	0.0076	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Hexachlorocyclopentadiene	0.031	U	0.36	0.031	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Hexachloroethane	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Indeno[1,2,3-cd]pyrene	**0.051**		0.036	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Naphthalene	0.0062	U	0.36	0.0062	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Nitrobenzene	0.0086	U	0.036	0.0086	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
N-Nitrosodi-n-propylamine	0.026	U	0.036	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
N-Nitrosodiphenylamine	0.0068	U	0.36	0.0068	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Pentachlorophenol	0.073	U	0.29	0.073	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Phenanthrene	**0.14**	**J**	0.36	0.0063	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1
Pyrene	**0.15**	**J**	0.36	0.0089	mg/Kg	☼	01/25/20 12:43	01/26/20 03:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*35*		*10 - 137*	*01/25/20 12:43*	*01/26/20 03:43*	*1*
2-Fluorobiphenyl	*39*		*29 - 107*	*01/25/20 12:43*	*01/26/20 03:43*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 115*	*01/25/20 12:43*	*01/26/20 03:43*	*1*
Nitrobenzene-d5 (Surr)	*46*		*25 - 113*	*01/25/20 12:43*	*01/26/20 03:43*	*1*
Phenol-d5 (Surr)	*55*		*28 - 109*	*01/25/20 12:43*	*01/26/20 03:43*	*1*
Terphenyl-d14 (Surr)	*68*		*27 - 123*	*01/25/20 12:43*	*01/26/20 03:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0072	0.0012	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
4,4'-DDE	**0.0072**		0.0072	0.00085	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-05_0.5-2.5_20200121
Date Collected: 01/21/20 02:20
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-4
Matrix: Solid
Percent Solids: 92.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0023	J	0.0072	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Aldrin	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
alpha-BHC	0.00073	U	0.0022	0.00073	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
beta-BHC	0.00081	U	0.0022	0.00081	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Chlordane (n.o.s.)	0.017	U	0.072	0.017	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
cis-Chlordane	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
delta-BHC	0.00044	U	0.0022	0.00044	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Dieldrin	0.00094	U	0.0022	0.00094	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endosulfan I	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endosulfan II	0.0019	U	0.0072	0.0019	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endosulfan sulfate	0.00091	U	0.0072	0.00091	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endrin	0.0010	U	0.0072	0.0010	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endrin aldehyde	0.0017	U	0.0072	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Endrin ketone	0.0014	U	0.0072	0.0014	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
gamma-BHC (Lindane)	0.00067	U	0.0022	0.00067	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Heptachlor	0.00085	U	0.0072	0.00085	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Heptachlor epoxide	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Methoxychlor	0.0016	U	0.0072	0.0016	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
Toxaphene	0.026	U	0.072	0.026	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1
trans-Chlordane	0.0013	U	0.0072	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 11:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*79*		*49 - 150*	*01/22/20 20:30*	*01/23/20 11:06*	*1*
DCB Decachlorobiphenyl	*78*		*49 - 150*	*01/22/20 20:30*	*01/23/20 11:06*	*1*
Tetrachloro-m-xylene	*74*		*47 - 150*	*01/22/20 20:30*	*01/23/20 11:06*	*1*
Tetrachloro-m-xylene	*79*		*47 - 150*	*01/22/20 20:30*	*01/23/20 11:06*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1221	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1232	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1242	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1248	0.0096	U	0.072	0.0096	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1254	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1260	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor-1262	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Aroclor 1268	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1
Polychlorinated biphenyls, Total	0.0099	U	0.072	0.0099	mg/Kg	☼	01/22/20 20:19	01/23/20 21:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:13*	*1*
DCB Decachlorobiphenyl	*99*		*53 - 150*	*01/22/20 20:19*	*01/23/20 21:13*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	5340		20.9	7.2	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Antimony	0.31	U	1.0	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Arsenic	2.5		1.0	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Barium	81.5		2.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10

Client Sample ID: SB-05_0.5-2.5_20200121

Lab Sample ID: 460-201296-4
Date Collected: 01/21/20 02:20
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.8

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.17	U	0.42	0.17	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Cadmium	0.35	U	1.0	0.35	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Calcium	**26400**		105	31.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Chromium	**8.7**		2.1	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Cobalt	**3.9**		2.1	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Copper	**10.3**		2.1	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Iron	**13300**		62.8	22.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Lead	**4.7**		0.63	0.20	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Magnesium	**1640**		105	29.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Manganese	**262**		4.2	1.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Nickel	**7.9**		2.1	0.68	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Potassium	**765**		105	37.7	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Selenium	0.30	U	5.2	0.30	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Silver	0.65	U	1.0	0.65	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Sodium	**375**		105	32.7	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Thallium	0.13	U	0.42	0.13	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Vanadium	**15.3**		2.1	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10
Zinc	**17.4**		8.4	4.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:50	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**		0.018	0.010	mg/Kg	☼	01/30/20 04:46	01/30/20 10:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**7.2**		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	**92.8**		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-02_0.5-1.5_20200121

Lab Sample ID: 460-201296-5
Date Collected: 01/21/20 03:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U	0.0012	0.00037	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,1-Dichloroethene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2,4-Trichlorobenzene	0.00044	U	0.0012	0.00044	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2-Dibromo-3-Chloropropane	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2-Dichlorobenzene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,2-Dichloropropane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,3-Dichlorobenzene	0.00020	U	0.0012	0.00020	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
1,4-Dichlorobenzene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
2-Butanone (MEK)	0.0033	U	0.0062	0.0033	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
2-Hexanone	0.0021	U	0.0062	0.0021	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-02_0.5-1.5_20200121
Date Collected: 01/21/20 03:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-5
Matrix: Solid
Percent Solids: 90.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0062	0.0019	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Acetone	0.0070	U	0.0074	0.0070	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Benzene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Bromoform	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Bromomethane	0.00058	U	0.0012	0.00058	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Carbon disulfide	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Carbon tetrachloride	0.00048	U	0.0012	0.00048	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chlorobromomethane	0.00035	U	0.0012	0.00035	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chloroethane	0.00064	U	0.0012	0.00064	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chloroform	0.00039	U	0.0012	0.00039	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Chloromethane	0.00054	U	0.0012	0.00054	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
cis-1,2-Dichloroethene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
cis-1,3-Dichloropropene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Dichlorobromomethane	0.00032	U *	0.0012	0.00032	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Dichlorodifluoromethane	0.00042	U	0.0012	0.00042	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Ethylbenzene	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Isopropylbenzene	0.00016	U	0.0012	0.00016	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Methyl acetate	0.0053	U	0.0062	0.0053	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Methylcyclohexane	0.00061	U	0.0012	0.00061	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Methylene Chloride	**0.0024**		0.0012	0.00057	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Tetrachloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Toluene	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
trans-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Trichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Trichlorofluoromethane	0.00050	U	0.0012	0.00050	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1
Vinyl chloride	0.00067	U	0.0012	0.00067	mg/Kg	☼	01/22/20 11:22	01/25/20 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*78 - 135*	*01/22/20 11:22*	*01/25/20 20:51*	*1*
4-Bromofluorobenzene	*97*		*67 - 126*	*01/22/20 11:22*	*01/25/20 20:51*	*1*
Dibromofluoromethane (Surr)	*96*		*61 - 149*	*01/22/20 11:22*	*01/25/20 20:51*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*	*01/22/20 11:22*	*01/25/20 20:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.020**	**J**	0.36	0.0048	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,2'-oxybis[1-chloropropane]	0.0066	U	0.36	0.0066	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.36	0.025	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,4,5-Trichlorophenol	0.037	U	0.36	0.037	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-02_0.5-1.5_20200121
Date Collected: 01/21/20 03:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-5
Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.047	U	0.15	0.047	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,4-Dichlorophenol	0.023	U	0.15	0.023	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,4-Dinitrophenol	0.18	U	0.29	0.18	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,4-Dinitrotoluene	0.039	U	0.074	0.039	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2,6-Dinitrotoluene	0.026	U	0.074	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Chloronaphthalene	0.017	U	0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Chlorophenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Methylnaphthalene	**0.065**	**J**	0.36	0.010	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Methylphenol	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Nitroaniline	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
2-Nitrophenol	0.036	U	0.36	0.036	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
3,3'-Dichlorobenzidine	0.055	U	0.15	0.055	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
3-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4,6-Dinitro-2-methylphenol	0.059	U	0.29	0.059	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Chloroaniline	0.025	U	0.36	0.025	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Methylphenol	0.023	U	0.36	0.023	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Nitroaniline	0.042	U	0.36	0.042	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
4-Nitrophenol	0.059	U	0.74	0.059	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Acenaphthene	**0.16**	**J**	0.36	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Acenaphthylene	**0.080**	**J**	0.36	0.0038	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Acetophenone	0.018	U	0.36	0.018	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Anthracene	**0.55**		0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Atrazine	0.0092	U	0.15	0.0092	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzaldehyde	0.016	U	0.36	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzo[a]anthracene	**1.9**		0.036	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzo[a]pyrene	**1.6**	*	0.036	0.0097	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzo[b]fluoranthene	**2.3**		0.036	0.0094	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzo[g,h,i]perylene	**1.0**		0.36	0.011	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Benzo[k]fluoranthene	**0.87**		0.036	0.0071	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Bis(2-chloroethoxy)methane	0.028	U	0.36	0.028	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Bis(2-chloroethyl)ether	0.013	U	0.036	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Bis(2-ethylhexyl) phthalate	**0.11**	**J**	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Butyl benzyl phthalate	**0.51**		0.36	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Caprolactam	0.057	U	0.36	0.057	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Carbazole	**0.50**		0.36	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Chrysene	**1.9**		0.36	0.0062	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Dibenz(a,h)anthracene	**0.28**		0.036	0.016	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Dibenzofuran	**0.15**	**J**	0.36	0.0051	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Diethyl phthalate	0.0053	U	0.36	0.0053	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Dimethyl phthalate	0.083	U	0.36	0.083	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Di-n-butyl phthalate	0.064	U	0.36	0.064	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Fluoranthene	**3.8**		0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Fluorene	**0.18**	**J**	0.36	0.0049	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1

Client Sample ID: SB-02_0.5-1.5_20200121
Date Collected: 01/21/20 03:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-5
Matrix: Solid
Percent Solids: 90.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0077	U	0.074	0.0077	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Hexachlorocyclopentadiene	0.032	U	0.36	0.032	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Hexachloroethane	0.012	U	0.036	0.012	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Indeno[1,2,3-cd]pyrene	**1.2**		0.036	0.014	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Naphthalene	**0.076**	**J**	0.36	0.0063	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Nitrobenzene	0.0087	U	0.036	0.0087	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
N-Nitrosodi-n-propylamine	0.026	U	0.036	0.026	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
N-Nitrosodiphenylamine	0.0070	U	0.36	0.0070	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Pentachlorophenol	0.075	U	0.29	0.075	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Phenanthrene	**2.8**		0.36	0.0064	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1
Pyrene	**3.2**		0.36	0.0091	mg/Kg	☼	01/25/20 12:43	01/26/20 04:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*62*		*10 - 137*	*01/25/20 12:43*	*01/26/20 04:00*	*1*
2-Fluorobiphenyl	*48*		*29 - 107*	*01/25/20 12:43*	*01/26/20 04:00*	*1*
2-Fluorophenol (Surr)	*42*		*20 - 115*	*01/25/20 12:43*	*01/26/20 04:00*	*1*
Nitrobenzene-d5 (Surr)	*43*		*25 - 113*	*01/25/20 12:43*	*01/26/20 04:00*	*1*
Phenol-d5 (Surr)	*47*		*28 - 109*	*01/25/20 12:43*	*01/26/20 04:00*	*1*
Terphenyl-d14 (Surr)	*67*		*27 - 123*	*01/25/20 12:43*	*01/26/20 04:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0074	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
4,4'-DDE	0.00087	U	0.0074	0.00087	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
4,4'-DDT	**0.012**		0.0074	0.0014	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Aldrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
alpha-BHC	0.00075	U	0.0022	0.00075	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
beta-BHC	0.00083	U	0.0022	0.00083	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Chlordane (n.o.s.)	0.018	U	0.074	0.018	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
cis-Chlordane	0.0012	U	0.0074	0.0012	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
delta-BHC	0.00045	U	0.0022	0.00045	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Dieldrin	0.00096	U	0.0022	0.00096	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endosulfan I	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endosulfan II	0.0019	U	0.0074	0.0019	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endosulfan sulfate	0.00092	U	0.0074	0.00092	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endrin aldehyde	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Endrin ketone	0.0014	U	0.0074	0.0014	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
gamma-BHC (Lindane)	0.00068	U	0.0022	0.00068	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Heptachlor	0.00087	U	0.0074	0.00087	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Heptachlor epoxide	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Methoxychlor	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
Toxaphene	0.027	U	0.074	0.027	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1
trans-Chlordane	0.0013	U	0.0074	0.0013	mg/Kg	☼	01/22/20 20:30	01/23/20 11:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*49 - 150*	*01/22/20 20:30*	*01/23/20 11:20*	*1*
DCB Decachlorobiphenyl	*82*		*49 - 150*	*01/22/20 20:30*	*01/23/20 11:20*	*1*

Client Sample ID: SB-02_0.5-1.5_20200121

Date Collected: 01/21/20 03:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201296-5

Matrix: Solid
Percent Solids: 90.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*47 - 150*	*01/22/20 20:30*	*01/23/20 11:20*	*1*
Tetrachloro-m-xylene	*73*		*47 - 150*	*01/22/20 20:30*	*01/23/20 11:20*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0098	U	0.074	0.0098	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1221	0.0098	U	0.074	0.0098	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1232	0.0098	U	0.074	0.0098	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1242	0.0098	U	0.074	0.0098	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1248	0.0098	U	0.074	0.0098	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1254	0.010	U	0.074	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1260	0.010	U	0.074	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor-1262	0.010	U	0.074	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Aroclor 1268	0.010	U	0.074	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1
Polychlorinated biphenyls, Total	0.010	U	0.074	0.010	mg/Kg	☼	01/22/20 20:19	01/23/20 20:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*53 - 150*	*01/22/20 20:19*	*01/23/20 20:56*	*1*
DCB Decachlorobiphenyl	*104*		*53 - 150*	*01/22/20 20:19*	*01/23/20 20:56*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5610**		20.8	7.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Antimony	0.30	U	1.0	0.30	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Arsenic	**2.6**		1.0	0.33	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Barium	**35.6**		2.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Beryllium	0.17	U	0.42	0.17	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Cadmium	0.35	U	1.0	0.35	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Calcium	**17700**		104	30.8	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Chromium	**10.9**		2.1	0.62	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Cobalt	**5.2**		2.1	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Copper	**19.3**		2.1	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Iron	**15200**		62.3	21.8	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Lead	**22.9**		0.62	0.20	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Magnesium	**2420**		104	28.9	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Manganese	**339**		4.2	1.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Nickel	**11.2**		2.1	0.68	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Potassium	**772**		104	37.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Selenium	0.30	U	5.2	0.30	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Silver	0.64	U	1.0	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Sodium	**239**		104	32.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Thallium	0.13	U	0.42	0.13	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Vanadium	**18.6**		2.1	0.59	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10
Zinc	**38.4**		8.3	4.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:52	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**		0.018	0.010	mg/Kg	☼	01/30/20 04:46	01/30/20 10:32	1

Client Sample ID: SB-02_0.5-1.5_20200121

Lab Sample ID: 460-201296-5
Date Collected: 01/21/20 03:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 90.8

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.2		1.0	1.0	%			01/28/20 20:03	1
Percent Solids	90.8		1.0	1.0	%			01/28/20 20:03	1

Client Sample ID: SB-08_0-2_20200122

Lab Sample ID: 460-201362-1
Date Collected: 01/22/20 08:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00030	U	0.0013	0.00030	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00038	U	0.0013	0.00038	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,1,2-Trichloroethane	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,1-Dichloroethene	0.00029	U	0.0013	0.00029	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2,4-Trichlorobenzene	0.00046	U	0.0013	0.00046	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2-Dibromo-3-Chloropropane	0.00059	U	0.0013	0.00059	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2-Dichlorobenzene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2-Dichloroethane	0.00038	U	0.0013	0.00038	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,2-Dichloropropane	0.00054	U	0.0013	0.00054	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,3-Dichlorobenzene	0.00020	U	0.0013	0.00020	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
1,4-Dichlorobenzene	0.00029	U	0.0013	0.00029	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
2-Butanone (MEK)	0.0034	U	0.0064	0.0034	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
2-Hexanone	0.0022	U	0.0064	0.0022	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
4-Methyl-2-pentanone (MIBK)	0.0020	U	0.0064	0.0020	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Acetone	0.0073	U	0.0076	0.0073	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Benzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Bromoform	0.00054	U	0.0013	0.00054	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Bromomethane	0.00060	U	0.0013	0.00060	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Carbon disulfide	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Carbon tetrachloride	0.00049	U	0.0013	0.00049	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chlorobromomethane	0.00036	U	0.0013	0.00036	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chlorodibromomethane	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chloroethane	0.00066	U	0.0013	0.00066	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chloroform	0.00041	U	0.0013	0.00041	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Chloromethane	0.00055	U	0.0013	0.00055	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
cis-1,2-Dichloroethene	0.00019	U	0.0013	0.00019	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
cis-1,3-Dichloropropene	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Dichlorobromomethane	0.00033	U	0.0013	0.00033	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Dichlorodifluoromethane	0.00043	U	0.0013	0.00043	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Ethylbenzene	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Isopropylbenzene	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Methyl acetate	0.0055	U	0.0064	0.0055	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Methyl tert-butyl ether	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Methylcyclohexane	0.00064	U	0.0013	0.00064	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Methylene Chloride	0.00059	U	0.0013	0.00059	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1

Client Sample ID: SB-08_0-2_20200122

Date Collected: 01/22/20 08:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-1

Matrix: Solid
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00022	U	0.0013	0.00022	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
o-Xylene	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Styrene	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Tetrachloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Toluene	0.00030	U	0.0013	0.00030	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
trans-1,2-Dichloroethene	0.00031	U	0.0013	0.00031	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
trans-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Trichloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Trichlorofluoromethane	0.00052	U	0.0013	0.00052	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1
Vinyl chloride	0.00070	U	0.0013	0.00070	mg/Kg	☼	01/23/20 09:00	01/26/20 15:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*78 - 135*	*01/23/20 09:00*	*01/26/20 15:33*	*1*
4-Bromofluorobenzene	*97*		*67 - 126*	*01/23/20 09:00*	*01/26/20 15:33*	*1*
Dibromofluoromethane (Surr)	*106*		*61 - 149*	*01/23/20 09:00*	*01/26/20 15:33*	*1*
Toluene-d8 (Surr)	*102*		*73 - 121*	*01/23/20 09:00*	*01/26/20 15:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0049	U	0.37	0.0049	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.37	0.012	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,2'-oxybis[1-chloropropane]	0.0067	U	0.37	0.0067	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4,5-Trichlorophenol	0.038	U	0.37	0.038	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4,6-Trichlorophenol	0.048	U	0.15	0.048	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4-Dimethylphenol	0.016	U	0.37	0.016	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4-Dinitrophenol	0.18	U	0.30	0.18	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,4-Dinitrotoluene	0.040	U	0.075	0.040	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2,6-Dinitrotoluene	0.027	U	0.075	0.027	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Methylnaphthalene	0.010	U	0.37	0.010	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Nitroaniline	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
2-Nitrophenol	0.037	U	0.37	0.037	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
3,3'-Dichlorobenzidine	0.056	U	0.15	0.056	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
3-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4,6-Dinitro-2-methylphenol	0.060	U	0.30	0.060	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Chloroaniline	0.026	U	0.37	0.026	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Methylphenol	0.023	U	0.37	0.023	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
4-Nitrophenol	0.060	U	0.75	0.060	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Acenaphthene	0.027	U	0.37	0.027	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Acenaphthylene	**0.034**	**J**	0.37	0.0038	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1

Client Sample ID: SB-08_0-2_20200122
Date Collected: 01/22/20 08:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-1
Matrix: Solid
Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.052**	**J**	0.37	0.011	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Atrazine	0.0093	U	0.15	0.0093	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzaldehyde	0.016	U	0.37	0.016	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzo[a]anthracene	**0.32**		0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzo[a]pyrene	**0.29**		0.037	0.0099	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzo[b]fluoranthene	**0.43**		0.037	0.0096	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzo[g,h,i]perylene	**0.26**	**J**	0.37	0.011	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Benzo[k]fluoranthene	**0.22**		0.037	0.0073	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Bis(2-ethylhexyl) phthalate	**0.074**	**J**	0.37	0.020	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Butyl benzyl phthalate	**0.040**	**J**	0.37	0.017	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Caprolactam	0.058	U	0.37	0.058	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Carbazole	**0.019**	**J**	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Chrysene	**0.36**	**J**	0.37	0.0063	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Dibenz(a,h)anthracene	**0.050**		0.037	0.016	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Dibenzofuran	0.0052	U	0.37	0.0052	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Diethyl phthalate	0.0054	U	0.37	0.0054	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Dimethyl phthalate	0.084	U	0.37	0.084	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Di-n-butyl phthalate	0.065	U	0.37	0.065	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Di-n-octyl phthalate	0.020	U	0.37	0.020	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Fluoranthene	**0.46**		0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Fluorene	0.0050	U	0.37	0.0050	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Hexachlorobenzene	0.018	U	0.037	0.018	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Hexachlorobutadiene	0.0079	U	0.075	0.0079	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Hexachlorocyclopentadiene	0.032	U	0.37	0.032	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Indeno[1,2,3-cd]pyrene	**0.22**		0.037	0.014	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Naphthalene	0.0064	U	0.37	0.0064	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Nitrobenzene	0.0089	U	0.037	0.0089	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
N-Nitrosodiphenylamine	0.0071	U	0.37	0.0071	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Pentachlorophenol	0.076	U	0.30	0.076	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Phenanthrene	**0.16**	**J**	0.37	0.0065	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Phenol	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1
Pyrene	**0.46**		0.37	0.0092	mg/Kg	☼	01/25/20 11:16	01/27/20 08:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*49*		*10 - 137*	*01/25/20 11:16*	*01/27/20 08:57*	*1*
2-Fluorobiphenyl	*46*		*29 - 107*	*01/25/20 11:16*	*01/27/20 08:57*	*1*
2-Fluorophenol (Surr)	*47*		*20 - 115*	*01/25/20 11:16*	*01/27/20 08:57*	*1*
Nitrobenzene-d5 (Surr)	*47*		*25 - 113*	*01/25/20 11:16*	*01/27/20 08:57*	*1*
Phenol-d5 (Surr)	*46*		*28 - 109*	*01/25/20 11:16*	*01/27/20 08:57*	*1*
Terphenyl-d14 (Surr)	*52*		*27 - 123*	*01/25/20 11:16*	*01/27/20 08:57*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
4,4'-DDE	**0.0083**		0.0075	0.00088	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-08_0-2_20200122
Date Collected: 01/22/20 08:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-1
Matrix: Solid
Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	**0.024**		0.0075	0.0014	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Aldrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
beta-BHC	0.00084	U	0.0022	0.00084	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Chlordane (n.o.s.)	0.018	U	0.075	0.018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
cis-Chlordane	**0.0039**	**J**	0.0075	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Dieldrin	**0.0041**		0.0022	0.00097	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endosulfan I	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endosulfan II	0.0019	U	0.0075	0.0019	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endosulfan sulfate	0.00094	U	0.0075	0.00094	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endrin aldehyde	0.0018	U	0.0075	0.0018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Endrin ketone	0.0015	U	0.0075	0.0015	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Heptachlor	0.00088	U	0.0075	0.00088	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Heptachlor epoxide	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Methoxychlor	0.0017	U	0.0075	0.0017	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
Toxaphene	0.027	U	0.075	0.027	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1
trans-Chlordane	**0.0042**	**J**	0.0075	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*126*		*49 - 150*	*01/23/20 09:03*	*01/24/20 15:11*	*1*
DCB Decachlorobiphenyl	*175*	*X*	*49 - 150*	*01/23/20 09:03*	*01/24/20 15:11*	*1*
Tetrachloro-m-xylene	*115*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:11*	*1*
Tetrachloro-m-xylene	*115*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1221	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1232	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1242	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1248	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1254	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1260	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor-1262	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Aroclor 1268	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1
Polychlorinated biphenyls, Total	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 02:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*134*		*53 - 150*	*01/23/20 08:50*	*01/25/20 02:40*	*1*
DCB Decachlorobiphenyl	*121*		*53 - 150*	*01/23/20 08:50*	*01/25/20 02:40*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5860**		21.3	7.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Antimony	0.31	U	1.1	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Arsenic	**2.8**		1.1	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Barium	**197**		2.1	0.71	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10

Client Sample ID: SB-08_0-2_20200122

Lab Sample ID: 460-201362-1
Date Collected: 01/22/20 08:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 89.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.17	U	0.43	0.17	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Cadmium	0.36	U	1.1	0.36	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Calcium	**40900**		107	31.6	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Chromium	**14.8**		2.1	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Cobalt	**4.9**		2.1	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Copper	**38.4**		2.1	0.61	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Iron	**12300**		63.9	22.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Lead	**109**		0.64	0.20	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Magnesium	**12800**		107	29.6	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Manganese	**200**		4.3	1.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Nickel	**15.1**		2.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Potassium	**843**		107	38.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Selenium	0.31	U	5.3	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Silver	0.66	U	1.1	0.66	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Sodium	**704**		107	33.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Thallium	0.13	U	0.43	0.13	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Vanadium	**41.2**		2.1	0.61	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10
Zinc	**123**		8.5	4.2	mg/Kg	☼	01/30/20 03:06	01/30/20 14:55	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.13**		0.019	0.011	mg/Kg	☼	01/30/20 04:02	01/30/20 08:38	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.6**		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	**89.4**		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-08_19-21_20200122

Lab Sample ID: 460-201362-2
Date Collected: 01/22/20 09:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 89.2

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00022	U	0.00093	0.00022	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,1,2,2-Tetrachloroethane	0.00020	U	0.00093	0.00020	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00028	U	0.00093	0.00028	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,1,2-Trichloroethane	0.00017	U	0.00093	0.00017	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,1-Dichloroethane	0.00019	U	0.00093	0.00019	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,1-Dichloroethene	0.00021	U	0.00093	0.00021	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2,3-Trichlorobenzene	0.00017	U	0.00093	0.00017	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2,4-Trichlorobenzene	0.00033	U	0.00093	0.00033	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2-Dibromo-3-Chloropropane	0.00043	U	0.00093	0.00043	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2-Dichlorobenzene	0.00013	U	0.00093	0.00013	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2-Dichloroethane	0.00028	U	0.00093	0.00028	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,2-Dichloropropane	0.00039	U	0.00093	0.00039	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,3-Dichlorobenzene	0.00015	U	0.00093	0.00015	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
1,4-Dichlorobenzene	0.00021	U	0.00093	0.00021	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
2-Butanone (MEK)	**0.0052**		0.0047	0.0025	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
2-Hexanone	0.0016	U	0.0047	0.0016	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-08_19-21_20200122
Date Collected: 01/22/20 09:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-2
Matrix: Solid
Percent Solids: 89.2

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0014	U	0.0047	0.0014	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Acetone	**0.017**		0.0056	0.0053	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Benzene	**0.00036**	**J**	0.00093	0.00024	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Bromoform	0.00040	U	0.00093	0.00040	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Bromomethane	0.00044	U	0.00093	0.00044	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Carbon disulfide	0.00025	U	0.00093	0.00025	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Carbon tetrachloride	0.00036	U	0.00093	0.00036	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chlorobenzene	0.00016	U	0.00093	0.00016	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chlorobromomethane	0.00026	U	0.00093	0.00026	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chlorodibromomethane	0.00018	U	0.00093	0.00018	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chloroethane	0.00049	U	0.00093	0.00049	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chloroform	0.00030	U	0.00093	0.00030	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Chloromethane	0.00040	U	0.00093	0.00040	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
cis-1,2-Dichloroethene	0.00014	U	0.00093	0.00014	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
cis-1,3-Dichloropropene	0.00025	U	0.00093	0.00025	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Cyclohexane	0.00021	U	0.00093	0.00021	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Dichlorobromomethane	0.00024	U	0.00093	0.00024	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Dichlorodifluoromethane	0.00031	U	0.00093	0.00031	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Ethylbenzene	0.00019	U	0.00093	0.00019	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Ethylene Dibromide	0.00017	U	0.00093	0.00017	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Isopropylbenzene	0.00012	U	0.00093	0.00012	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Methyl acetate	0.0040	U	0.0047	0.0040	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Methyl tert-butyl ether	0.00012	U	0.00093	0.00012	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Methylcyclohexane	0.00046	U	0.00093	0.00046	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Methylene Chloride	0.00043	U	0.00093	0.00043	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
m-Xylene & p-Xylene	0.00016	U	0.00093	0.00016	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
o-Xylene	0.00018	U	0.00093	0.00018	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Styrene	0.00026	U	0.00093	0.00026	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Tetrachloroethene	0.00013	U	0.00093	0.00013	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Toluene	**0.00036**	**J**	0.00093	0.00022	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
trans-1,2-Dichloroethene	0.00023	U	0.00093	0.00023	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
trans-1,3-Dichloropropene	0.00025	U	0.00093	0.00025	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Trichloroethene	0.00013	U	0.00093	0.00013	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Trichlorofluoromethane	0.00038	U	0.00093	0.00038	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1
Vinyl chloride	0.00051	U	0.00093	0.00051	mg/Kg	☼	01/23/20 09:01	01/26/20 15:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*78 - 135*	*01/23/20 09:01*	*01/26/20 15:57*	*1*
4-Bromofluorobenzene	*97*		*67 - 126*	*01/23/20 09:01*	*01/26/20 15:57*	*1*
Dibromofluoromethane (Surr)	*105*		*61 - 149*	*01/23/20 09:01*	*01/26/20 15:57*	*1*
Toluene-d8 (Surr)	*102*		*73 - 121*	*01/23/20 09:01*	*01/26/20 15:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0049	U	0.37	0.0049	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.37	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,2'-oxybis[1-chloropropane]	0.0067	U	0.37	0.0067	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,4,5-Trichlorophenol	0.038	U	0.37	0.038	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-08_19-21_20200122
Date Collected: 01/22/20 09:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-2
Matrix: Solid
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.048	U	0.15	0.048	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,4-Dimethylphenol	0.016	U	0.37	0.016	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,4-Dinitrophenol	0.18	U	0.30	0.18	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,4-Dinitrotoluene	0.040	U	0.075	0.040	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2,6-Dinitrotoluene	0.027	U	0.075	0.027	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Methylnaphthalene	0.010	U	0.37	0.010	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Nitroaniline	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
2-Nitrophenol	0.037	U	0.37	0.037	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
3,3'-Dichlorobenzidine	0.056	U	0.15	0.056	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
3-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4,6-Dinitro-2-methylphenol	0.060	U	0.30	0.060	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Chloroaniline	0.026	U	0.37	0.026	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Methylphenol	0.023	U	0.37	0.023	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Nitroaniline	0.043	U	0.37	0.043	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
4-Nitrophenol	0.060	U	0.75	0.060	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Acenaphthene	0.027	U	0.37	0.027	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Acenaphthylene	0.0038	U	0.37	0.0038	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Anthracene	0.011	U	0.37	0.011	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Atrazine	0.0094	U	0.15	0.0094	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzaldehyde	0.016	U	0.37	0.016	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzo[a]anthracene	0.013	U	0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzo[a]pyrene	0.0099	U	0.037	0.0099	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzo[b]fluoranthene	**0.011**	**J**	0.037	0.0096	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzo[g,h,i]perylene	0.011	U	0.37	0.011	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Benzo[k]fluoranthene	0.0073	U	0.037	0.0073	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.37	0.020	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Butyl benzyl phthalate	0.017	U	0.37	0.017	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Caprolactam	0.058	U	0.37	0.058	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Carbazole	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Chrysene	0.0063	U	0.37	0.0063	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Dibenz(a,h)anthracene	0.016	U	0.037	0.016	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Dibenzofuran	0.0052	U	0.37	0.0052	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Diethyl phthalate	0.0054	U	0.37	0.0054	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Dimethyl phthalate	0.084	U	0.37	0.084	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Di-n-butyl phthalate	0.065	U	0.37	0.065	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Di-n-octyl phthalate	0.020	U	0.37	0.020	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Fluoranthene	0.013	U	0.37	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Fluorene	0.0050	U	0.37	0.0050	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Hexachlorobenzene	0.018	U	0.037	0.018	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1

Client Sample ID: SB-08_19-21_20200122
Date Collected: 01/22/20 09:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-2
Matrix: Solid
Percent Solids: 89.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0079	U	0.075	0.0079	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Hexachlorocyclopentadiene	0.033	U	0.37	0.033	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Indeno[1,2,3-cd]pyrene	0.014	U	0.037	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Naphthalene	0.0064	U	0.37	0.0064	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Nitrobenzene	0.0089	U	0.037	0.0089	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
N-Nitrosodiphenylamine	0.0071	U	0.37	0.0071	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Pentachlorophenol	0.076	U	0.30	0.076	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Phenanthrene	0.0065	U	0.37	0.0065	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Phenol	0.014	U	0.37	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1
Pyrene	0.0092	U	0.37	0.0092	mg/Kg	☼	01/25/20 11:16	01/26/20 05:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 137*	*01/25/20 11:16*	*01/26/20 05:25*	*1*
2-Fluorobiphenyl	*84*		*29 - 107*	*01/25/20 11:16*	*01/26/20 05:25*	*1*
2-Fluorophenol (Surr)	*90*		*20 - 115*	*01/25/20 11:16*	*01/26/20 05:25*	*1*
Nitrobenzene-d5 (Surr)	*81*		*25 - 113*	*01/25/20 11:16*	*01/26/20 05:25*	*1*
Phenol-d5 (Surr)	*88*		*28 - 109*	*01/25/20 11:16*	*01/26/20 05:25*	*1*
Terphenyl-d14 (Surr)	*117*		*27 - 123*	*01/25/20 11:16*	*01/26/20 05:25*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
4,4'-DDE	0.00089	U	0.0075	0.00089	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
4,4'-DDT	0.0014	U	0.0075	0.0014	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Aldrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
beta-BHC	0.00084	U	0.0022	0.00084	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Chlordane (n.o.s.)	0.018	U	0.075	0.018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
cis-Chlordane	0.0012	U	0.0075	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Dieldrin	0.00098	U	0.0022	0.00098	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endosulfan I	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endosulfan II	0.0019	U	0.0075	0.0019	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endosulfan sulfate	0.00094	U	0.0075	0.00094	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endrin aldehyde	0.0018	U	0.0075	0.0018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Endrin ketone	0.0015	U	0.0075	0.0015	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Heptachlor	0.00089	U	0.0075	0.00089	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Heptachlor epoxide	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Methoxychlor	0.0017	U	0.0075	0.0017	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
Toxaphene	0.027	U	0.075	0.027	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1
trans-Chlordane	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*49 - 150*	*01/23/20 09:03*	*01/24/20 15:24*	*1*
DCB Decachlorobiphenyl	*86*		*49 - 150*	*01/23/20 09:03*	*01/24/20 15:24*	*1*

Client Sample ID: SB-08_19-21_20200122

Date Collected: 01/22/20 09:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-2

Matrix: Solid
Percent Solids: 89.2

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*79*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:24*	*1*
Tetrachloro-m-xylene	*80*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1221	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1232	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1242	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1248	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1254	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1260	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor-1262	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Aroclor 1268	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1
Polychlorinated biphenyls, Total	0.010	U	0.075	0.010	mg/Kg	☼	01/23/20 08:50	01/25/20 03:01	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*119*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:01*	*1*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:01*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5120**		21.1	7.2	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Antimony	0.31	U	1.1	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Arsenic	**2.7**		1.1	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Barium	**68.4**		2.1	0.70	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Beryllium	**0.21**	**J**	0.42	0.17	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Cadmium	0.36	U	1.1	0.36	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Calcium	**1770**		106	31.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Chromium	**21.3**		2.1	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Cobalt	**7.3**		2.1	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Copper	**16.5**		2.1	0.61	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Iron	**21600**		63.4	22.2	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Lead	**7.4**		0.63	0.20	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Magnesium	**2150**		106	29.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Manganese	**1030**		4.2	1.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Nickel	**14.6**		2.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Potassium	**1110**		106	38.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Selenium	0.31	U	5.3	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Silver	0.65	U	1.1	0.65	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Sodium	**193**		106	33.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Thallium	0.13	U	0.42	0.13	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Vanadium	**24.5**		2.1	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10
Zinc	**30.9**		8.5	4.1	mg/Kg	☼	01/30/20 03:06	01/30/20 14:57	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.010**	**J**	0.017	0.0099	mg/Kg	☼	01/30/20 04:02	01/30/20 08:40	1

Client Sample ID: SB-08_19-21_20200122

Lab Sample ID: 460-201362-2
Date Collected: 01/22/20 09:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 89.2

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**10.8**		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	**89.2**		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-04_0-2_20200122

Lab Sample ID: 460-201362-3
Date Collected: 01/22/20 11:45
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 84.1

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00032	U	0.0014	0.00032	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,1,2,2-Tetrachloroethane	0.00029	U	0.0014	0.00029	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00041	U	0.0014	0.00041	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,1,2-Trichloroethane	0.00024	U	0.0014	0.00024	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,1-Dichloroethane	0.00028	U	0.0014	0.00028	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,1-Dichloroethene	0.00030	U	0.0014	0.00030	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2,3-Trichlorobenzene	0.00025	U	0.0014	0.00025	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2,4-Trichlorobenzene	0.00049	U	0.0014	0.00049	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2-Dibromo-3-Chloropropane	0.00062	U	0.0014	0.00062	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2-Dichlorobenzene	0.00020	U	0.0014	0.00020	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2-Dichloroethane	0.00040	U	0.0014	0.00040	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,2-Dichloropropane	0.00057	U	0.0014	0.00057	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,3-Dichlorobenzene	0.00022	U	0.0014	0.00022	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
1,4-Dichlorobenzene	0.00030	U	0.0014	0.00030	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
2-Butanone (MEK)	**0.057**		0.0068	0.0037	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
2-Hexanone	0.0023	U	0.0068	0.0023	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
4-Methyl-2-pentanone (MIBK)	**0.0053**	**J**	0.0068	0.0021	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Acetone	**0.27**		0.0081	0.0077	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Benzene	**0.0010**	**J**	0.0014	0.00035	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Bromoform	0.00058	U	0.0014	0.00058	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Bromomethane	0.00064	U	0.0014	0.00064	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Carbon disulfide	**0.00039**	**J**	0.0014	0.00036	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Carbon tetrachloride	0.00052	U	0.0014	0.00052	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chlorobenzene	0.00024	U	0.0014	0.00024	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chlorobromomethane	0.00038	U	0.0014	0.00038	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chlorodibromomethane	0.00026	U	0.0014	0.00026	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chloroethane	0.00071	U	0.0014	0.00071	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chloroform	0.00043	U	0.0014	0.00043	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Chloromethane	0.00059	U	0.0014	0.00059	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
cis-1,2-Dichloroethene	0.00021	U	0.0014	0.00021	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
cis-1,3-Dichloropropene	0.00037	U	0.0014	0.00037	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Cyclohexane	0.00030	U	0.0014	0.00030	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Dichlorobromomethane	0.00035	U	0.0014	0.00035	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Dichlorodifluoromethane	0.00046	U	0.0014	0.00046	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Ethylbenzene	**0.0021**		0.0014	0.00027	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Ethylene Dibromide	0.00024	U	0.0014	0.00024	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Isopropylbenzene	**0.00075**	**J**	0.0014	0.00017	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Methyl acetate	0.0058	U	0.0068	0.0058	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Methyl tert-butyl ether	0.00017	U	0.0014	0.00017	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Methylcyclohexane	**0.0015**		0.0014	0.00068	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Methylene Chloride	0.00063	U	0.0014	0.00063	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-04_0-2_20200122
Date Collected: 01/22/20 11:45
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-3
Matrix: Solid
Percent Solids: 84.1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**0.0012**	**J**	0.0014	0.00024	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
o-Xylene	**0.00096**	**J**	0.0014	0.00026	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Styrene	**0.0088**		0.0014	0.00038	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Tetrachloroethene	0.00019	U	0.0014	0.00019	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Toluene	**0.0022**		0.0014	0.00032	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
trans-1,2-Dichloroethene	0.00033	U	0.0014	0.00033	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
trans-1,3-Dichloropropene	0.00036	U	0.0014	0.00036	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Trichloroethene	**0.0013**	**J**	0.0014	0.00020	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Trichlorofluoromethane	0.00055	U	0.0014	0.00055	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1
Vinyl chloride	0.00074	U	0.0014	0.00074	mg/Kg	☼	01/23/20 09:02	01/30/20 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*78 - 135*	*01/23/20 09:02*	*01/30/20 18:42*	*1*
4-Bromofluorobenzene	*113*		*67 - 126*	*01/23/20 09:02*	*01/30/20 18:42*	*1*
Dibromofluoromethane (Surr)	*100*		*61 - 149*	*01/23/20 09:02*	*01/30/20 18:42*	*1*
Toluene-d8 (Surr)	*96*		*73 - 121*	*01/23/20 09:02*	*01/30/20 18:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.38**	**J**	3.9	0.052	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
1,2,4,5-Tetrachlorobenzene	0.12	U	3.9	0.12	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
1,4-Dioxane	0.11	U	1.2	0.11	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,2'-oxybis[1-chloropropane]	0.071	U	3.9	0.071	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,3,4,6-Tetrachlorophenol	0.27	U	3.9	0.27	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4,5-Trichlorophenol	0.40	U	3.9	0.40	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4,6-Trichlorophenol	0.51	U	1.6	0.51	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4-Dichlorophenol	0.25	U	1.6	0.25	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4-Dimethylphenol	0.17	U	3.9	0.17	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4-Dinitrophenol	1.9	U	3.2	1.9	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,4-Dinitrotoluene	0.42	U	0.80	0.42	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2,6-Dinitrotoluene	0.28	U	0.80	0.28	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Chloronaphthalene	0.18	U	3.9	0.18	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Chlorophenol	0.14	U	3.9	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Methylnaphthalene	**0.92**	**J**	3.9	0.11	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Methylphenol	0.15	U	3.9	0.15	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Nitroaniline	0.15	U	3.9	0.15	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
2-Nitrophenol	0.39	U	3.9	0.39	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
3,3'-Dichlorobenzidine	0.59	U	1.6	0.59	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
3-Nitroaniline	0.44	U	3.9	0.44	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4,6-Dinitro-2-methylphenol	0.64	U	3.2	0.64	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Bromophenyl phenyl ether	0.16	U	3.9	0.16	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Chloro-3-methylphenol	0.22	U	3.9	0.22	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Chloroaniline	0.28	U	3.9	0.28	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Chlorophenyl phenyl ether	0.14	U	3.9	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Methylphenol	0.25	U	3.9	0.25	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Nitroaniline	0.45	U	3.9	0.45	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
4-Nitrophenol	0.64	U	8.0	0.64	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Acenaphthene	**4.1**		3.9	0.29	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Acenaphthylene	**0.56**	**J**	3.9	0.041	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Acetophenone	0.19	U	3.9	0.19	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10

Client Sample ID: SB-04_0-2_20200122
Date Collected: 01/22/20 11:45
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-3
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**12**		3.9	0.12	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Atrazine	0.099	U	1.6	0.099	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzaldehyde	**0.26**	**J**	3.9	0.17	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzo[a]anthracene	**39**		0.39	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzo[a]pyrene	**36**		0.39	0.10	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzo[b]fluoranthene	**47**		0.39	0.10	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzo[g,h,i]perylene	**17**		3.9	0.12	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Benzo[k]fluoranthene	**19**		0.39	0.077	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Bis(2-chloroethoxy)methane	0.31	U	3.9	0.31	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Bis(2-chloroethyl)ether	0.14	U	0.39	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Bis(2-ethylhexyl) phthalate	**82**		3.9	0.21	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Butyl benzyl phthalate	0.18	U	3.9	0.18	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Caprolactam	0.61	U	3.9	0.61	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Carbazole	**4.1**		3.9	0.15	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Chrysene	**37**		3.9	0.067	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Dibenz(a,h)anthracene	**4.9**		0.39	0.17	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Dibenzofuran	**3.1**	**J**	3.9	0.055	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Diethyl phthalate	0.057	U	3.9	0.057	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Dimethyl phthalate	0.89	U	3.9	0.89	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Di-n-butyl phthalate	0.69	U	3.9	0.69	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Di-n-octyl phthalate	**4.5**		3.9	0.21	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Fluoranthene	**75**		3.9	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Fluorene	**5.9**		3.9	0.053	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Hexachlorobenzene	0.19	U	0.39	0.19	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Hexachlorobutadiene	0.084	U	0.80	0.084	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Hexachlorocyclopentadiene	0.35	U	3.9	0.35	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Hexachloroethane	0.14	U	0.39	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Indeno[1,2,3-cd]pyrene	**19**		0.39	0.15	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Isophorone	1.1	U	1.6	1.1	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Naphthalene	**2.0**	**J**	3.9	0.068	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Nitrobenzene	0.094	U	0.39	0.094	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
N-Nitrosodi-n-propylamine	0.29	U	0.39	0.29	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
N-Nitrosodiphenylamine	0.075	U	3.9	0.075	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Pentachlorophenol	0.81	U	3.2	0.81	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Phenanthrene	**57**		3.9	0.069	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Phenol	0.14	U	3.9	0.14	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10
Pyrene	**78**		3.9	0.098	mg/Kg	☼	01/25/20 11:16	01/26/20 10:48	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*51*		*10 - 137*	*01/25/20 11:16*	*01/26/20 10:48*	*10*
2-Fluorobiphenyl	*51*		*29 - 107*	*01/25/20 11:16*	*01/26/20 10:48*	*10*
2-Fluorophenol (Surr)	*51*		*20 - 115*	*01/25/20 11:16*	*01/26/20 10:48*	*10*
Nitrobenzene-d5 (Surr)	*18*	*X*	*25 - 113*	*01/25/20 11:16*	*01/26/20 10:48*	*10*
Phenol-d5 (Surr)	*42*		*28 - 109*	*01/25/20 11:16*	*01/26/20 10:48*	*10*
Terphenyl-d14 (Surr)	*69*		*27 - 123*	*01/25/20 11:16*	*01/26/20 10:48*	*10*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.014**	**p**	0.0080	0.0014	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
4,4'-DDE	**0.0085**		0.0080	0.00094	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1

Client Sample ID: SB-04_0-2_20200122

Date Collected: 01/22/20 11:45
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-3

Matrix: Solid
Percent Solids: 84.1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	**0.029**		0.0080	0.0015	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Aldrin	0.0012	U	0.0080	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
alpha-BHC	0.00081	U	0.0024	0.00081	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
beta-BHC	0.00089	U	0.0024	0.00089	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Chlordane (n.o.s.)	0.019	U	0.080	0.019	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
cis-Chlordane	0.0013	U	0.0080	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
delta-BHC	0.00049	U	0.0024	0.00049	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Dieldrin	0.0010	U	0.0024	0.0010	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endosulfan I	0.0012	U	0.0080	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endosulfan II	0.0020	U	0.0080	0.0020	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endosulfan sulfate	0.0010	U	0.0080	0.0010	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endrin	0.0011	U	0.0080	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endrin aldehyde	0.0019	U	0.0080	0.0019	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Endrin ketone	0.0015	U	0.0080	0.0015	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
gamma-BHC (Lindane)	0.00074	U	0.0024	0.00074	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Heptachlor	0.00094	U	0.0080	0.00094	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Heptachlor epoxide	0.0012	U	0.0080	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Methoxychlor	0.0018	U	0.0080	0.0018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
Toxaphene	0.029	U	0.080	0.029	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1
trans-Chlordane	**0.011**	**p**	0.0080	0.0014	mg/Kg	☼	01/23/20 09:03	01/24/20 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*2458*	*X*	*49 - 150*	*01/23/20 09:03*	*01/24/20 15:36*	*1*
DCB Decachlorobiphenyl	*2481*	*X*	*49 - 150*	*01/23/20 09:03*	*01/24/20 15:36*	*1*
Tetrachloro-m-xylene	*115*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:36*	*1*
Tetrachloro-m-xylene	*94*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:36*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1221	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1232	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1242	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1248	**0.40**		0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1254	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1260	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor-1262	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Aroclor 1268	0.011	U	0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1
Polychlorinated biphenyls, Total	**0.40**		0.080	0.011	mg/Kg	☼	01/23/20 08:50	01/25/20 03:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*148*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:21*	*1*
DCB Decachlorobiphenyl	*143*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:21*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6340**		22.2	7.6	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Antimony	**1.7**		1.1	0.33	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Arsenic	**7.2**		1.1	0.36	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Barium	**178**		2.2	0.74	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10

Client Sample ID: SB-04_0-2_20200122

Lab Sample ID: 460-201362-3

Date Collected: 01/22/20 11:45

Matrix: Solid

Date Received: 01/22/20 19:00

Percent Solids: 84.1

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.18	U	0.44	0.18	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Cadmium	**5.4**		1.1	0.37	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Calcium	**38200**		111	33.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Chromium	**55.5**		2.2	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Cobalt	**8.6**		2.2	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Copper	**273**		2.2	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Iron	**65600**		66.7	23.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Lead	**711**		0.67	0.21	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Magnesium	**9110**		111	30.9	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Manganese	**753**		4.4	1.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Nickel	**50.6**		2.2	0.72	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Potassium	**837**		111	40.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Selenium	0.32	U	5.6	0.32	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Silver	0.69	U	1.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Sodium	**1400**		111	34.8	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Thallium	0.14	U	0.44	0.14	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Vanadium	**39.3**		2.2	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10
Zinc	**1110**		8.9	4.3	mg/Kg	☼	01/30/20 03:06	01/30/20 14:59	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.76**		0.020	0.012	mg/Kg	☼	01/30/20 04:02	01/30/20 08:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**15.9**		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	**84.1**		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-04_15-17_20200122

Lab Sample ID: 460-201362-4

Date Collected: 01/22/20 13:00

Matrix: Solid

Date Received: 01/22/20 19:00

Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00024	U	0.0010	0.00024	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,1,2,2-Tetrachloroethane	0.00022	U	0.0010	0.00022	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00031	U	0.0010	0.00031	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,1,2-Trichloroethane	0.00019	U	0.0010	0.00019	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2,3-Trichlorobenzene	0.00019	U	0.0010	0.00019	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2,4-Trichlorobenzene	0.00037	U	0.0010	0.00037	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2-Dibromo-3-Chloropropane	0.00048	U	0.0010	0.00048	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2-Dichlorobenzene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2-Dichloroethane	0.00031	U	0.0010	0.00031	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,2-Dichloropropane	0.00044	U	0.0010	0.00044	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,3-Dichlorobenzene	0.00017	U	0.0010	0.00017	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
2-Butanone (MEK)	**0.0042**	**J**	0.0052	0.0028	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
2-Hexanone	0.0018	U	0.0052	0.0018	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-04_15-17_20200122
Date Collected: 01/22/20 13:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-4
Matrix: Solid
Percent Solids: 93.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0052	0.0016	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Acetone	**0.017**		0.0062	0.0060	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Benzene	0.00027	U	0.0010	0.00027	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Bromoform	0.00044	U	0.0010	0.00044	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Bromomethane	0.00049	U	0.0010	0.00049	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Carbon disulfide	**0.00039**	**J**	0.0010	0.00028	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Carbon tetrachloride	0.00040	U	0.0010	0.00040	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chlorobromomethane	0.00029	U	0.0010	0.00029	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chlorodibromomethane	0.00020	U	0.0010	0.00020	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chloroethane	0.00054	U	0.0010	0.00054	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chloroform	0.00033	U	0.0010	0.00033	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Chloromethane	0.00045	U	0.0010	0.00045	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
cis-1,2-Dichloroethene	0.00016	U	0.0010	0.00016	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
cis-1,3-Dichloropropene	0.00028	U	0.0010	0.00028	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Cyclohexane	0.00023	U	0.0010	0.00023	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Dichlorobromomethane	0.00027	U	0.0010	0.00027	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Dichlorodifluoromethane	0.00035	U	0.0010	0.00035	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Ethylbenzene	0.00021	U	0.0010	0.00021	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Ethylene Dibromide	0.00019	U	0.0010	0.00019	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Methyl acetate	0.0045	U	0.0052	0.0045	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Methylcyclohexane	0.00052	U	0.0010	0.00052	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Methylene Chloride	0.00048	U	0.0010	0.00048	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
m-Xylene & p-Xylene	0.00018	U	0.0010	0.00018	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
o-Xylene	0.00020	U	0.0010	0.00020	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Styrene	0.00029	U	0.0010	0.00029	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Tetrachloroethene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Toluene	**0.00029**	**J**	0.0010	0.00024	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
trans-1,2-Dichloroethene	0.00026	U	0.0010	0.00026	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
trans-1,3-Dichloropropene	0.00028	U	0.0010	0.00028	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Trichloroethene	0.00015	U	0.0010	0.00015	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Trichlorofluoromethane	0.00042	U	0.0010	0.00042	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1
Vinyl chloride	0.00057	U	0.0010	0.00057	mg/Kg	☼	01/23/20 09:03	01/26/20 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*78 - 135*	*01/23/20 09:03*	*01/26/20 16:22*	*1*
4-Bromofluorobenzene	*97*		*67 - 126*	*01/23/20 09:03*	*01/26/20 16:22*	*1*
Dibromofluoromethane (Surr)	*104*		*61 - 149*	*01/23/20 09:03*	*01/26/20 16:22*	*1*
Toluene-d8 (Surr)	*99*		*73 - 121*	*01/23/20 09:03*	*01/26/20 16:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0047	U	0.35	0.0047	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.35	0.011	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
1,4-Dioxane	0.0098	U	0.11	0.0098	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,2'-oxybis[1-chloropropane]	0.0064	U	0.35	0.0064	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,3,4,6-Tetrachlorophenol	0.024	U	0.35	0.024	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,4,5-Trichlorophenol	0.036	U	0.35	0.036	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-04_15-17_20200122
Date Collected: 01/22/20 13:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-4
Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.045	U	0.14	0.045	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,4-Dichlorophenol	0.023	U	0.14	0.023	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,4-Dimethylphenol	0.016	U	0.35	0.016	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,4-Dinitrophenol	0.17	U	0.28	0.17	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,4-Dinitrotoluene	0.038	U	0.072	0.038	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2,6-Dinitrotoluene	0.026	U	0.072	0.026	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Chloronaphthalene	0.016	U	0.35	0.016	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Chlorophenol	0.013	U	0.35	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Methylnaphthalene	0.0099	U	0.35	0.0099	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Methylphenol	0.013	U	0.35	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Nitroaniline	0.013	U	0.35	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
2-Nitrophenol	0.035	U	0.35	0.035	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
3,3'-Dichlorobenzidine	0.053	U	0.14	0.053	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
3-Nitroaniline	0.040	U	0.35	0.040	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4,6-Dinitro-2-methylphenol	0.057	U	0.28	0.057	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Bromophenyl phenyl ether	0.014	U	0.35	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Chloro-3-methylphenol	0.020	U	0.35	0.020	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Chloroaniline	0.025	U	0.35	0.025	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Chlorophenyl phenyl ether	0.012	U	0.35	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Methylphenol	0.022	U	0.35	0.022	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Nitroaniline	0.041	U	0.35	0.041	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
4-Nitrophenol	0.058	U	0.72	0.058	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Acenaphthene	0.026	U	0.35	0.026	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Acenaphthylene	0.0037	U	0.35	0.0037	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Acetophenone	0.017	U	0.35	0.017	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Anthracene	**0.091**	**J**	0.35	0.011	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Atrazine	0.0089	U	0.14	0.0089	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzaldehyde	0.015	U	0.35	0.015	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzo[a]anthracene	**0.36**		0.035	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzo[a]pyrene	**0.33**		0.035	0.0094	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzo[b]fluoranthene	**0.42**		0.035	0.0092	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzo[g,h,i]perylene	**0.20**	**J**	0.35	0.010	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Benzo[k]fluoranthene	**0.16**		0.035	0.0069	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Bis(2-chloroethoxy)methane	0.028	U	0.35	0.028	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Bis(2-chloroethyl)ether	0.012	U	0.035	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Bis(2-ethylhexyl) phthalate	**0.54**		0.35	0.019	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Butyl benzyl phthalate	0.017	U	0.35	0.017	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Caprolactam	0.055	U	0.35	0.055	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Carbazole	**0.032**	**J**	0.35	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Chrysene	**0.35**		0.35	0.0060	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Dibenz(a,h)anthracene	**0.062**		0.035	0.015	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Dibenzofuran	**0.016**	**J**	0.35	0.0050	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Diethyl phthalate	0.0051	U	0.35	0.0051	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Dimethyl phthalate	0.080	U	0.35	0.080	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Di-n-butyl phthalate	0.062	U	0.35	0.062	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Di-n-octyl phthalate	**0.038**	**J**	0.35	0.019	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Fluoranthene	**0.62**		0.35	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Fluorene	**0.036**	**J**	0.35	0.0048	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Hexachlorobenzene	0.017	U	0.035	0.017	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1

Client Sample ID: SB-04_15-17_20200122

Date Collected: 01/22/20 13:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-4

Matrix: Solid
Percent Solids: 93.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0075	U	0.072	0.0075	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Hexachlorocyclopentadiene	0.031	U	0.35	0.031	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Hexachloroethane	0.012	U	0.035	0.012	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Indeno[1,2,3-cd]pyrene	**0.23**		0.035	0.014	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Naphthalene	0.0061	U	0.35	0.0061	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Nitrobenzene	0.0085	U	0.035	0.0085	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
N-Nitrosodi-n-propylamine	0.026	U	0.035	0.026	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
N-Nitrosodiphenylamine	0.0068	U	0.35	0.0068	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Pentachlorophenol	0.073	U	0.28	0.073	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Phenanthrene	**0.42**		0.35	0.0062	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Phenol	0.013	U	0.35	0.013	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1
Pyrene	**0.73**		0.35	0.0088	mg/Kg	☼	01/25/20 11:16	01/26/20 06:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*10 - 137*	*01/25/20 11:16*	*01/26/20 06:10*	*1*
2-Fluorobiphenyl	*60*		*29 - 107*	*01/25/20 11:16*	*01/26/20 06:10*	*1*
2-Fluorophenol (Surr)	*61*		*20 - 115*	*01/25/20 11:16*	*01/26/20 06:10*	*1*
Nitrobenzene-d5 (Surr)	*57*		*25 - 113*	*01/25/20 11:16*	*01/26/20 06:10*	*1*
Phenol-d5 (Surr)	*62*		*28 - 109*	*01/25/20 11:16*	*01/26/20 06:10*	*1*
Terphenyl-d14 (Surr)	*90*		*27 - 123*	*01/25/20 11:16*	*01/26/20 06:10*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0072	0.0012	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
4,4'-DDE	0.00085	U	0.0072	0.00085	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
4,4'-DDT	0.0013	U	0.0072	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Aldrin	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
alpha-BHC	0.00073	U	0.0021	0.00073	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
beta-BHC	0.00080	U	0.0021	0.00080	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Chlordane (n.o.s.)	0.017	U	0.072	0.017	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
cis-Chlordane	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
delta-BHC	0.00044	U	0.0021	0.00044	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Dieldrin	0.00093	U	0.0021	0.00093	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endosulfan I	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endosulfan II	0.0018	U	0.0072	0.0018	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endosulfan sulfate	0.00090	U	0.0072	0.00090	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endrin	0.0010	U	0.0072	0.0010	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endrin aldehyde	0.0017	U	0.0072	0.0017	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Endrin ketone	0.0014	U	0.0072	0.0014	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
gamma-BHC (Lindane)	0.00066	U	0.0021	0.00066	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Heptachlor	0.00085	U	0.0072	0.00085	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Heptachlor epoxide	0.0011	U	0.0072	0.0011	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Methoxychlor	0.0016	U	0.0072	0.0016	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
Toxaphene	0.026	U	0.072	0.026	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1
trans-Chlordane	0.0013	U	0.0072	0.0013	mg/Kg	☼	01/23/20 09:03	01/24/20 15:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*664*	*X*	*49 - 150*	*01/23/20 09:03*	*01/24/20 15:48*	*1*
DCB Decachlorobiphenyl	*125*		*49 - 150*	*01/23/20 09:03*	*01/24/20 15:48*	*1*

Client Sample ID: SB-04_15-17_20200122

Date Collected: 01/22/20 13:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-4

Matrix: Solid
Percent Solids: 93.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*71*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:48*	*1*
Tetrachloro-m-xylene	*69*		*47 - 150*	*01/23/20 09:03*	*01/24/20 15:48*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0095	U	0.072	0.0095	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1221	0.0095	U	0.072	0.0095	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1232	0.0095	U	0.072	0.0095	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1242	0.0095	U	0.072	0.0095	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1248	0.0095	U	0.072	0.0095	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1254	0.0098	U	0.072	0.0098	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1260	0.0098	U	0.072	0.0098	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor-1262	0.0098	U	0.072	0.0098	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Aroclor 1268	0.0098	U	0.072	0.0098	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1
Polychlorinated biphenyls, Total	0.0098	U	0.072	0.0098	mg/Kg	☼	01/23/20 08:50	01/25/20 03:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*115*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:42*	*1*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*01/23/20 08:50*	*01/25/20 03:42*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8130**		20.0	6.8	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Antimony	0.29	U	1.0	0.29	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Arsenic	**2.0**		1.0	0.32	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Barium	**41.3**		2.0	0.66	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Beryllium	**0.21**	**J**	0.40	0.16	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Cadmium	0.34	U	1.0	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Calcium	**3780**		100	29.7	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Chromium	**31.8**		2.0	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Cobalt	**7.7**		2.0	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Copper	**37.0**		2.0	0.57	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Iron	**23600**		60.0	21.0	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Lead	**11.4**		0.60	0.19	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Magnesium	**2690**		100	27.8	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Manganese	**480**		4.0	1.2	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Nickel	**16.6**		2.0	0.65	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Potassium	**1240**		100	36.0	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Selenium	0.29	U	5.0	0.29	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Silver	0.62	U	1.0	0.62	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Sodium	**906**		100	31.3	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Thallium	0.12	U	0.40	0.12	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Vanadium	**32.5**		2.0	0.57	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10
Zinc	**37.1**		8.0	3.9	mg/Kg	☼	01/30/20 03:06	01/30/20 15:02	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.012**	**J**	0.017	0.0097	mg/Kg	☼	01/30/20 04:02	01/30/20 08:43	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-04_15-17_20200122

Lab Sample ID: 460-201362-4

Date Collected: 01/22/20 13:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 93.5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	6.5		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	93.5		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: TB-01_20200122

Lab Sample ID: 460-201362-5

Date Collected: 01/22/20 06:40
Matrix: Water
Date Received: 01/22/20 19:00

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/26/20 11:09	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/26/20 11:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/26/20 11:09	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 11:09	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/26/20 11:09	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/26/20 11:09	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/26/20 11:09	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/26/20 11:09	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/26/20 11:09	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/26/20 11:09	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 11:09	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/26/20 11:09	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/26/20 11:09	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/26/20 11:09	1
1,4-Dioxane	28	U	50	28	ug/L			01/26/20 11:09	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/26/20 11:09	1
2-Hexanone	1.1	U *	5.0	1.1	ug/L			01/26/20 11:09	1
4-Methyl-2-pentanone (MIBK)	1.3	U *	5.0	1.3	ug/L			01/26/20 11:09	1
Acetone	4.4	U	5.0	4.4	ug/L			01/26/20 11:09	1
Benzene	0.20	U	1.0	0.20	ug/L			01/26/20 11:09	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/26/20 11:09	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/26/20 11:09	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/26/20 11:09	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/26/20 11:09	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/26/20 11:09	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/26/20 11:09	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/26/20 11:09	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/26/20 11:09	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/26/20 11:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/26/20 11:09	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/26/20 11:09	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/26/20 11:09	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/26/20 11:09	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/26/20 11:09	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/26/20 11:09	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/26/20 11:09	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/26/20 11:09	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/26/20 11:09	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/26/20 11:09	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/26/20 11:09	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/26/20 11:09	1

Client Sample ID: TB-01_20200122

Lab Sample ID: 460-201362-5

Date Collected: 01/22/20 06:40
Date Received: 01/22/20 19:00

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/26/20 11:09	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/26/20 11:09	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/26/20 11:09	1
Styrene	0.42	U	1.0	0.42	ug/L			01/26/20 11:09	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/26/20 11:09	1
Toluene	0.38	U	1.0	0.38	ug/L			01/26/20 11:09	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/26/20 11:09	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/26/20 11:09	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/26/20 11:09	1
Trichlorofluoromethane	0.32	U *	1.0	0.32	ug/L			01/26/20 11:09	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/26/20 11:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*74 - 132*		*01/26/20 11:09*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*01/26/20 11:09*	*1*
Dibromofluoromethane (Surr)	*91*		*72 - 131*		*01/26/20 11:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*01/26/20 11:09*	*1*

Client Sample ID: TB-01_20200123

Lab Sample ID: 460-201482-1

Date Collected: 01/23/20 06:30
Date Received: 01/23/20 18:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/26/20 12:00	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/26/20 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/26/20 12:00	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 12:00	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/26/20 12:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/26/20 12:00	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/26/20 12:00	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/26/20 12:00	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/26/20 12:00	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/26/20 12:00	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 12:00	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/26/20 12:00	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/26/20 12:00	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/26/20 12:00	1
1,4-Dioxane	28	U	50	28	ug/L			01/26/20 12:00	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/26/20 12:00	1
2-Hexanone	1.1	U *	5.0	1.1	ug/L			01/26/20 12:00	1
4-Methyl-2-pentanone (MIBK)	1.3	U *	5.0	1.3	ug/L			01/26/20 12:00	1
Acetone	4.4	U	5.0	4.4	ug/L			01/26/20 12:00	1
Benzene	0.20	U	1.0	0.20	ug/L			01/26/20 12:00	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/26/20 12:00	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/26/20 12:00	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/26/20 12:00	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/26/20 12:00	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/26/20 12:00	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/26/20 12:00	1

Client Sample ID: TB-01_20200123

Lab Sample ID: 460-201482-1

Date Collected: 01/23/20 06:30
Date Received: 01/23/20 18:30

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/26/20 12:00	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/26/20 12:00	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/26/20 12:00	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/26/20 12:00	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/26/20 12:00	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/26/20 12:00	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/26/20 12:00	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/26/20 12:00	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/26/20 12:00	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/26/20 12:00	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/26/20 12:00	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/26/20 12:00	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/26/20 12:00	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/26/20 12:00	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/26/20 12:00	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/26/20 12:00	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/26/20 12:00	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/26/20 12:00	1
Styrene	0.42	U	1.0	0.42	ug/L			01/26/20 12:00	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/26/20 12:00	1
Toluene	0.38	U	1.0	0.38	ug/L			01/26/20 12:00	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/26/20 12:00	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/26/20 12:00	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/26/20 12:00	1
Trichlorofluoromethane	0.32	U *	1.0	0.32	ug/L			01/26/20 12:00	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/26/20 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*01/26/20 12:00*	*1*
4-Bromofluorobenzene	*93*		*77 - 124*		*01/26/20 12:00*	*1*
Dibromofluoromethane (Surr)	*94*		*72 - 131*		*01/26/20 12:00*	*1*
Toluene-d8 (Surr)	*102*		*80 - 120*		*01/26/20 12:00*	*1*

Client Sample ID: SB-01_0.5-2.5_20200123

Lab Sample ID: 460-201482-2

Date Collected: 01/23/20 09:05
Date Received: 01/23/20 18:30

Matrix: Solid
Percent Solids: 85.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U	0.0012	0.00037	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,2-Dibromo-3-Chloropropane	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-01_0.5-2.5_20200123
Date Collected: 01/23/20 09:05
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-2
Matrix: Solid
Percent Solids: 85.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
2-Butanone (MEK)	0.0033	U	0.0061	0.0033	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
2-Hexanone	0.0021	U	0.0061	0.0021	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0061	0.0019	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Acetone	0.0069	U	0.0073	0.0069	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Bromoform	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Bromomethane	0.00058	U	0.0012	0.00058	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chloroform	0.00039	U	0.0012	0.00039	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Chloromethane	0.00053	U	0.0012	0.00053	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Methyl acetate	0.0052	U	0.0061	0.0052	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Methylcyclohexane	0.00061	U	0.0012	0.00061	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	01/25/20 00:34	01/26/20 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*	*01/25/20 00:34*	*01/26/20 14:19*	*1*
4-Bromofluorobenzene	*95*		*67 - 126*	*01/25/20 00:34*	*01/26/20 14:19*	*1*
Dibromofluoromethane (Surr)	*105*		*61 - 149*	*01/25/20 00:34*	*01/26/20 14:19*	*1*
Toluene-d8 (Surr)	*102*		*73 - 121*	*01/25/20 00:34*	*01/26/20 14:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0051	U	0.38	0.0051	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-01_0.5-2.5_20200123
Date Collected: 01/23/20 09:05
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-2
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	0.012	U	0.38	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
1,4-Dioxane	0.011	U	0.12	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,2'-oxybis[1-chloropropane]	0.0070	U	0.38	0.0070	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,3,4,6-Tetrachlorophenol	0.026	U	0.38	0.026	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4,5-Trichlorophenol	0.039	U	0.38	0.039	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4,6-Trichlorophenol	0.050	U	0.16	0.050	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4-Dichlorophenol	0.025	U	0.16	0.025	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4-Dimethylphenol	0.017	U	0.38	0.017	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4-Dinitrophenol	0.19	U	0.31	0.19	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,4-Dinitrotoluene	0.042	U	0.078	0.042	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2,6-Dinitrotoluene	0.028	U	0.078	0.028	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Chloronaphthalene	0.018	U	0.38	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Chlorophenol	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Methylnaphthalene	0.011	U	0.38	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Methylphenol	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Nitroaniline	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
2-Nitrophenol	0.039	U	0.38	0.039	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
3,3'-Dichlorobenzidine	0.058	U	0.16	0.058	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
3-Nitroaniline	0.043	U	0.38	0.043	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4,6-Dinitro-2-methylphenol	0.063	U	0.31	0.063	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Bromophenyl phenyl ether	0.015	U	0.38	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Chloro-3-methylphenol	0.022	U	0.38	0.022	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Chloroaniline	0.027	U	0.38	0.027	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Chlorophenyl phenyl ether	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Methylphenol	0.024	U	0.38	0.024	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Nitroaniline	0.044	U	0.38	0.044	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
4-Nitrophenol	0.063	U	0.78	0.063	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Acenaphthene	0.028	U	0.38	0.028	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Acenaphthylene	0.0040	U	0.38	0.0040	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Acetophenone	0.019	U	0.38	0.019	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Anthracene	**0.022**	**J**	0.38	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Atrazine	0.0097	U	0.16	0.0097	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzaldehyde	0.017	U	0.38	0.017	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzo[a]anthracene	**0.11**		0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzo[a]pyrene	**0.090**		0.038	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzo[b]fluoranthene	**0.11**		0.038	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzo[g,h,i]perylene	**0.057**	**J**	0.38	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Benzo[k]fluoranthene	**0.048**		0.038	0.0076	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Bis(2-chloroethoxy)methane	0.030	U	0.38	0.030	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Bis(2-chloroethyl)ether	0.013	U	0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.38	0.020	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Butyl benzyl phthalate	0.018	U	0.38	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Caprolactam	0.060	U	0.38	0.060	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Carbazole	0.015	U	0.38	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Chrysene	**0.11**	**J**	0.38	0.0065	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Dibenz(a,h)anthracene	0.017	U	0.038	0.017	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Dibenzofuran	0.0054	U	0.38	0.0054	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Diethyl phthalate	0.0056	U	0.38	0.0056	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Dimethyl phthalate	0.088	U	0.38	0.088	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-01_0.5-2.5_20200123
Date Collected: 01/23/20 09:05
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-2
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.068	U	0.38	0.068	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Di-n-octyl phthalate	0.020	U	0.38	0.020	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Fluoranthene	**0.19**	**J**	0.38	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Fluorene	**0.0099**	**J**	0.38	0.0052	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Hexachlorobenzene	0.018	U	0.038	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Hexachlorobutadiene	0.0082	U *	0.078	0.0082	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Hexachlorocyclopentadiene	0.034	U	0.38	0.034	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Hexachloroethane	0.013	U	0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Indeno[1,2,3-cd]pyrene	**0.059**		0.038	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Isophorone	0.11	U	0.16	0.11	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Naphthalene	0.0067	U	0.38	0.0067	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Nitrobenzene	0.0093	U	0.038	0.0093	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
N-Nitrosodi-n-propylamine	0.028	U	0.038	0.028	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
N-Nitrosodiphenylamine	0.0074	U	0.38	0.0074	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Pentachlorophenol	0.079	U	0.31	0.079	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Phenanthrene	**0.11**	**J**	0.38	0.0068	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Phenol	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1
Pyrene	**0.19**	**J**	0.38	0.0096	mg/Kg	☼	01/25/20 11:22	01/26/20 05:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*46*		*10 - 137*	*01/25/20 11:22*	*01/26/20 05:54*	*1*
2-Fluorobiphenyl	*44*		*29 - 107*	*01/25/20 11:22*	*01/26/20 05:54*	*1*
2-Fluorophenol (Surr)	*50*		*20 - 115*	*01/25/20 11:22*	*01/26/20 05:54*	*1*
Nitrobenzene-d5 (Surr)	*41*		*25 - 113*	*01/25/20 11:22*	*01/26/20 05:54*	*1*
Phenol-d5 (Surr)	*49*		*28 - 109*	*01/25/20 11:22*	*01/26/20 05:54*	*1*
Terphenyl-d14 (Surr)	*42*		*27 - 123*	*01/25/20 11:22*	*01/26/20 05:54*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0027	U	0.016	0.0027	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
4,4'-DDE	0.0018	U	0.016	0.0018	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
4,4'-DDT	**0.013**	**J**	0.016	0.0029	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Aldrin	0.0024	U	0.016	0.0024	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
alpha-BHC	0.0016	U	0.0047	0.0016	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
beta-BHC	0.0017	U	0.0047	0.0017	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Chlordane (n.o.s.)	0.038	U	0.16	0.038	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
cis-Chlordane	**0.013**	**J p**	0.016	0.0025	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
delta-BHC	0.00096	U	0.0047	0.00096	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Dieldrin	0.0020	U	0.0047	0.0020	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endosulfan I	0.0024	U	0.016	0.0024	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endosulfan II	0.0040	U	0.016	0.0040	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endosulfan sulfate	0.0020	U	0.016	0.0020	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endrin	0.0022	U	0.016	0.0022	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endrin aldehyde	0.0037	U	0.016	0.0037	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Endrin ketone	0.0030	U	0.016	0.0030	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
gamma-BHC (Lindane)	0.0014	U	0.0047	0.0014	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Heptachlor	0.0018	U	0.016	0.0018	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Heptachlor epoxide	0.0023	U	0.016	0.0023	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Methoxychlor	0.0036	U	0.016	0.0036	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2
Toxaphene	0.056	U	0.16	0.056	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2

Client Sample ID: SB-01_0.5-2.5_20200123
Date Collected: 01/23/20 09:05
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-2
Matrix: Solid
Percent Solids: 85.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-Chlordane	**0.011**	**J**	0.016	0.0028	mg/Kg	☼	01/24/20 19:45	01/29/20 11:26	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*175*	*X*	*49 - 150*	*01/24/20 19:45*	*01/29/20 11:26*	*2*
DCB Decachlorobiphenyl	*164*	*X*	*49 - 150*	*01/24/20 19:45*	*01/29/20 11:26*	*2*
Tetrachloro-m-xylene	*138*		*47 - 150*	*01/24/20 19:45*	*01/29/20 11:26*	*2*
Tetrachloro-m-xylene	*139*		*47 - 150*	*01/24/20 19:45*	*01/29/20 11:26*	*2*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.010	U	0.078	0.010	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1221	0.010	U	0.078	0.010	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1232	0.010	U	0.078	0.010	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1242	0.010	U	0.078	0.010	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1248	0.010	U	0.078	0.010	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1254	0.011	U	0.078	0.011	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1260	0.011	U	0.078	0.011	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor-1262	0.011	U	0.078	0.011	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Aroclor 1268	0.011	U	0.078	0.011	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1
Polychlorinated biphenyls, Total	0.011	U	0.078	0.011	mg/Kg	☼	01/24/20 19:52	01/28/20 04:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*72*		*53 - 150*	*01/24/20 19:52*	*01/28/20 04:19*	*1*
DCB Decachlorobiphenyl	*84*		*53 - 150*	*01/24/20 19:52*	*01/28/20 04:19*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6320**		23.3	8.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Antimony	0.34	U F1	1.2	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Arsenic	**3.3**		1.2	0.37	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Barium	**34.2**	**F1**	2.3	0.77	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Beryllium	0.19	U	0.47	0.19	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Cadmium	0.39	U	1.2	0.39	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Calcium	**2200**	**F1**	117	34.6	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Chromium	**12.2**		2.3	0.70	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Cobalt	**4.5**		2.3	0.70	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Copper	**20.6**	**F1**	2.3	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Iron	**10900**		70.0	24.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Lead	**47.7**		0.70	0.22	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Magnesium	**2280**	**F1**	117	32.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Manganese	**176**	**F1**	4.7	1.4	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Nickel	**15.6**		2.3	0.76	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Potassium	**779**		117	42.0	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Selenium	0.34	U	5.8	0.34	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Silver	0.72	U	1.2	0.72	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Sodium	**156**		117	36.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Thallium	0.15	U	0.47	0.15	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Vanadium	**18.8**		2.3	0.66	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10
Zinc	**85.9**		9.3	4.5	mg/Kg	☼	01/30/20 03:06	01/30/20 14:28	10

Client Sample ID: SB-01_0.5-2.5_20200123
Lab Sample ID: 460-201482-2

Date Collected: 01/23/20 09:05
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 85.7

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.060		0.019	0.011	mg/Kg	☼	01/30/20 04:26	01/30/20 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	14.3		1.0	1.0	%			01/28/20 20:49	1
Percent Solids	85.7		1.0	1.0	%			01/28/20 20:49	1

Client Sample ID: SB-01_16-18_20200123
Lab Sample ID: 460-201482-3

Date Collected: 01/23/20 10:00
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 96.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00027	U	0.0011	0.00027	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,1,2,2-Tetrachloroethane	0.00024	U	0.0011	0.00024	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00034	U	0.0011	0.00034	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,1,2-Trichloroethane	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,1-Dichloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,1-Dichloroethene	0.00026	U	0.0011	0.00026	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2,3-Trichlorobenzene	0.00021	U	0.0011	0.00021	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2,4-Trichlorobenzene	0.00041	U	0.0011	0.00041	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2-Dibromo-3-Chloropropane	0.00052	U	0.0011	0.00052	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2-Dichlorobenzene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2-Dichloroethane	0.00034	U	0.0011	0.00034	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,2-Dichloropropane	0.00048	U	0.0011	0.00048	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,3-Dichlorobenzene	0.00018	U	0.0011	0.00018	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
1,4-Dichlorobenzene	0.00026	U	0.0011	0.00026	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
2-Butanone (MEK)	0.0031	U	0.0057	0.0031	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
2-Hexanone	0.0019	U	0.0057	0.0019	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
4-Methyl-2-pentanone (MIBK)	0.0018	U	0.0057	0.0018	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Acetone	0.0065	U	0.0068	0.0065	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Benzene	0.00029	U	0.0011	0.00029	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Bromoform	0.00048	U	0.0011	0.00048	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Bromomethane	0.00054	U	0.0011	0.00054	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Carbon disulfide	0.00030	U	0.0011	0.00030	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Carbon tetrachloride	0.00044	U	0.0011	0.00044	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chlorobromomethane	0.00032	U	0.0011	0.00032	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chlorodibromomethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chloroethane	0.00059	U	0.0011	0.00059	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chloroform	0.00036	U	0.0011	0.00036	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Chloromethane	0.00050	U	0.0011	0.00050	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
cis-1,2-Dichloroethene	0.00017	U	0.0011	0.00017	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
cis-1,3-Dichloropropene	0.00031	U	0.0011	0.00031	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Cyclohexane	0.00025	U	0.0011	0.00025	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Dichlorobromomethane	0.00029	U *	0.0011	0.00029	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Dichlorodifluoromethane	0.00038	U	0.0011	0.00038	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Ethylbenzene	0.00023	U	0.0011	0.00023	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Isopropylbenzene	0.00014	U	0.0011	0.00014	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1

Client Sample ID: SB-01_16-18_20200123
Date Collected: 01/23/20 10:00
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-3
Matrix: Solid
Percent Solids: 96.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl acetate	0.0049	U	0.0057	0.0049	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Methyl tert-butyl ether	0.00014	U	0.0011	0.00014	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Methylcyclohexane	0.00057	U	0.0011	0.00057	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Methylene Chloride	0.00053	U	0.0011	0.00053	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
m-Xylene & p-Xylene	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
o-Xylene	0.00022	U	0.0011	0.00022	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Styrene	0.00032	U	0.0011	0.00032	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Tetrachloroethene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Toluene	0.00027	U	0.0011	0.00027	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
trans-1,2-Dichloroethene	0.00028	U	0.0011	0.00028	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
trans-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Trichloroethene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Trichlorofluoromethane	0.00046	U	0.0011	0.00046	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1
Vinyl chloride	0.00062	U	0.0011	0.00062	mg/Kg	☼	01/25/20 00:34	01/26/20 00:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*78 - 135*	*01/25/20 00:34*	*01/26/20 00:58*	*1*
4-Bromofluorobenzene	*107*		*67 - 126*	*01/25/20 00:34*	*01/26/20 00:58*	*1*
Dibromofluoromethane (Surr)	*110*		*61 - 149*	*01/25/20 00:34*	*01/26/20 00:58*	*1*
Toluene-d8 (Surr)	*106*		*73 - 121*	*01/25/20 00:34*	*01/26/20 00:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0045	U	0.34	0.0045	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
1,2,4,5-Tetrachlorobenzene	0.011	U	0.34	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
1,4-Dioxane	0.0094	U	0.10	0.0094	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,2'-oxybis[1-chloropropane]	0.0062	U	0.34	0.0062	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4,5-Trichlorophenol	0.035	U	0.34	0.035	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4,6-Trichlorophenol	0.044	U	0.14	0.044	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4-Dichlorophenol	0.022	U	0.14	0.022	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4-Dinitrophenol	0.17	U	0.27	0.17	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,4-Dinitrotoluene	0.037	U	0.069	0.037	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2,6-Dinitrotoluene	0.025	U	0.069	0.025	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Methylnaphthalene	0.0096	U	0.34	0.0096	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
2-Nitrophenol	0.034	U	0.34	0.034	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
3-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4,6-Dinitro-2-methylphenol	0.056	U	0.27	0.056	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Methylphenol	0.021	U	0.34	0.021	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
4-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-01_16-18_20200123
Date Collected: 01/23/20 10:00
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-3
Matrix: Solid
Percent Solids: 96.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	0.056	U	0.69	0.056	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Acenaphthylene	0.0035	U	0.34	0.0035	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Anthracene	0.010	U	0.34	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Atrazine	0.0086	U	0.14	0.0086	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzo[a]pyrene	0.0091	U	0.034	0.0091	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzo[b]fluoranthene	0.0088	U	0.034	0.0088	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Benzo[k]fluoranthene	0.0067	U	0.034	0.0067	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Caprolactam	0.053	U	0.34	0.053	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Chrysene	0.0058	U	0.34	0.0058	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Dibenzofuran	0.0048	U	0.34	0.0048	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Diethyl phthalate	0.0050	U	0.34	0.0050	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Di-n-butyl phthalate	0.060	U	0.34	0.060	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Fluorene	0.0046	U	0.34	0.0046	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Hexachlorobutadiene	0.0073	U *	0.069	0.0073	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Isophorone	0.099	U	0.14	0.099	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Naphthalene	0.0059	U	0.34	0.0059	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Nitrobenzene	0.0082	U	0.034	0.0082	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
N-Nitrosodiphenylamine	0.0065	U	0.34	0.0065	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Pentachlorophenol	0.070	U	0.27	0.070	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Phenanthrene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1
Pyrene	0.0085	U	0.34	0.0085	mg/Kg	☼	01/25/20 11:22	01/26/20 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 137*	*01/25/20 11:22*	*01/26/20 04:21*	*1*
2-Fluorobiphenyl	*71*		*29 - 107*	*01/25/20 11:22*	*01/26/20 04:21*	*1*
2-Fluorophenol (Surr)	*64*		*20 - 115*	*01/25/20 11:22*	*01/26/20 04:21*	*1*
Nitrobenzene-d5 (Surr)	*61*		*25 - 113*	*01/25/20 11:22*	*01/26/20 04:21*	*1*
Phenol-d5 (Surr)	*63*		*28 - 109*	*01/25/20 11:22*	*01/26/20 04:21*	*1*
Terphenyl-d14 (Surr)	*81*		*27 - 123*	*01/25/20 11:22*	*01/26/20 04:21*	*1*

Client Sample ID: SB-01_16-18_20200123
Lab Sample ID: 460-201482-3
Date Collected: 01/23/20 10:00
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 96.7

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
4,4'-DDE	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
4,4'-DDT	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Aldrin	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
alpha-BHC	0.00070	U	0.0021	0.00070	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
beta-BHC	0.00078	U	0.0021	0.00078	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Chlordane (n.o.s.)	0.017	U	0.069	0.017	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
cis-Chlordane	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
delta-BHC	0.00042	U	0.0021	0.00042	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Dieldrin	0.00090	U	0.0021	0.00090	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endosulfan I	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endosulfan II	0.0018	U	0.0069	0.0018	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endosulfan sulfate	0.00087	U	0.0069	0.00087	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endrin	0.00099	U	0.0069	0.00099	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endrin aldehyde	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Endrin ketone	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
gamma-BHC (Lindane)	0.00064	U	0.0021	0.00064	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Heptachlor	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Heptachlor epoxide	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Methoxychlor	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
Toxaphene	0.025	U	0.069	0.025	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1
trans-Chlordane	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/24/20 19:45	01/27/20 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*49 - 150*	*01/24/20 19:45*	*01/27/20 18:11*	*1*
DCB Decachlorobiphenyl	*110*		*49 - 150*	*01/24/20 19:45*	*01/27/20 18:11*	*1*
Tetrachloro-m-xylene	*95*		*47 - 150*	*01/24/20 19:45*	*01/27/20 18:11*	*1*
Tetrachloro-m-xylene	*100*		*47 - 150*	*01/24/20 19:45*	*01/27/20 18:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	01/24/20 19:52	01/28/20 04:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*76*		*53 - 150*	*01/24/20 19:52*	*01/28/20 04:36*	*1*
DCB Decachlorobiphenyl	*90*		*53 - 150*	*01/24/20 19:52*	*01/28/20 04:36*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4490**		19.3	6.6	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Antimony	0.28	U	0.97	0.28	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10

Client Sample ID: SB-01_16-18_20200123

Lab Sample ID: 460-201482-3
Date Collected: 01/23/20 10:00
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 96.7

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	2.4		0.97	0.31	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Barium	57.2		1.9	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Beryllium	0.21	J	0.39	0.16	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Cadmium	0.32	U	0.97	0.32	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Calcium	4340		96.6	28.7	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Chromium	12.9		1.9	0.58	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Cobalt	6.2		1.9	0.58	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Copper	14.7		1.9	0.55	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Iron	28400		58.0	20.3	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Lead	6.8		0.58	0.18	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Magnesium	4230		96.6	26.9	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Manganese	727		3.9	1.2	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Nickel	22.0		1.9	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Potassium	1400		96.6	34.8	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Selenium	0.28	U	4.8	0.28	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Silver	0.60	U	0.97	0.60	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Sodium	359		96.6	30.2	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Thallium	0.12	U	0.39	0.12	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Vanadium	20.6		1.9	0.55	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10
Zinc	24.1		7.7	3.8	mg/Kg	☼	01/30/20 03:06	01/30/20 15:07	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0098	U	0.017	0.0098	mg/Kg	☼	01/30/20 04:46	01/30/20 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.3		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	96.7		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-12_0-2_20200123

Lab Sample ID: 460-201482-4
Date Collected: 01/23/20 14:40
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 87.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U	0.0012	0.00037	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,1-Dichloroethene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2,4-Trichlorobenzene	0.00044	U	0.0012	0.00044	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2-Dibromo-3-Chloropropane	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2-Dichlorobenzene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,2-Dichloropropane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
1,4-Dichlorobenzene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-12_0-2_20200123
Date Collected: 01/23/20 14:40
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-4
Matrix: Solid
Percent Solids: 87.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	0.0033	U	0.0061	0.0033	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
2-Hexanone	0.0021	U	0.0061	0.0021	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0061	0.0019	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Acetone	0.0070	U	0.0073	0.0070	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Benzene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Bromoform	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Bromomethane	0.00058	U	0.0012	0.00058	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Carbon disulfide	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chloroethane	0.00064	U	0.0012	0.00064	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chloroform	0.00039	U	0.0012	0.00039	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Chloromethane	0.00053	U	0.0012	0.00053	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
cis-1,2-Dichloroethene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Dichlorobromomethane	0.00031	U *	0.0012	0.00031	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Methyl acetate	0.0053	U	0.0061	0.0053	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Methylcyclohexane	0.00061	U	0.0012	0.00061	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Methylene Chloride	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Tetrachloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Toluene	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
trans-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Trichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Trichlorofluoromethane	0.00050	U	0.0012	0.00050	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1
Vinyl chloride	0.00067	U	0.0012	0.00067	mg/Kg	☼	01/25/20 00:35	01/26/20 01:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*101*		*78 - 135*	*01/25/20 00:35*	*01/26/20 01:23*	*1*
4-Bromofluorobenzene	*105*		*67 - 126*	*01/25/20 00:35*	*01/26/20 01:23*	*1*
Dibromofluoromethane (Surr)	*109*		*61 - 149*	*01/25/20 00:35*	*01/26/20 01:23*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*	*01/25/20 00:35*	*01/26/20 01:23*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0050	U	0.38	0.0050	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
1,2,4,5-Tetrachlorobenzene	0.012	U	0.38	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,2'-oxybis[1-chloropropane]	0.0068	U	0.38	0.0068	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-12_0-2_20200123
Date Collected: 01/23/20 14:40
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-4
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,3,4,6-Tetrachlorophenol	0.026	U	0.38	0.026	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4,5-Trichlorophenol	0.039	U	0.38	0.039	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4,6-Trichlorophenol	0.049	U	0.15	0.049	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4-Dichlorophenol	0.024	U	0.15	0.024	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4-Dimethylphenol	0.017	U	0.38	0.017	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4-Dinitrophenol	0.19	U	0.30	0.19	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,4-Dinitrotoluene	0.041	U	0.077	0.041	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2,6-Dinitrotoluene	0.027	U	0.077	0.027	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Chloronaphthalene	0.018	U	0.38	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Chlorophenol	0.013	U	0.38	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Methylnaphthalene	0.011	U	0.38	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Methylphenol	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Nitroaniline	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
2-Nitrophenol	0.038	U	0.38	0.038	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
3,3'-Dichlorobenzidine	0.057	U	0.15	0.057	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
3-Nitroaniline	0.043	U	0.38	0.043	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4,6-Dinitro-2-methylphenol	0.061	U	0.30	0.061	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Bromophenyl phenyl ether	0.015	U	0.38	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Chloro-3-methylphenol	0.021	U	0.38	0.021	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Chloroaniline	0.026	U	0.38	0.026	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Chlorophenyl phenyl ether	0.013	U	0.38	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Methylphenol	0.024	U	0.38	0.024	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Nitroaniline	0.043	U	0.38	0.043	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
4-Nitrophenol	0.062	U	0.77	0.062	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Acenaphthene	0.028	U	0.38	0.028	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Acenaphthylene	0.0039	U	0.38	0.0039	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Acetophenone	0.019	U	0.38	0.019	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Anthracene	0.012	U	0.38	0.012	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Atrazine	0.0095	U	0.15	0.0095	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzaldehyde	0.016	U	0.38	0.016	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzo[a]anthracene	0.013	U	0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzo[a]pyrene	0.010	U	0.038	0.010	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzo[b]fluoranthene	0.0098	U	0.038	0.0098	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzo[g,h,i]perylene	0.011	U	0.38	0.011	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Benzo[k]fluoranthene	0.0074	U	0.038	0.0074	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Bis(2-chloroethoxy)methane	0.029	U	0.38	0.029	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Bis(2-chloroethyl)ether	0.013	U	0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.38	0.020	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Butyl benzyl phthalate	0.018	U	0.38	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Caprolactam	0.059	U	0.38	0.059	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Carbazole	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Chrysene	0.0064	U	0.38	0.0064	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Dibenz(a,h)anthracene	0.016	U	0.038	0.016	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Dibenzofuran	0.0053	U	0.38	0.0053	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Diethyl phthalate	0.0055	U	0.38	0.0055	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Dimethyl phthalate	0.086	U	0.38	0.086	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Di-n-butyl phthalate	0.067	U	0.38	0.067	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Di-n-octyl phthalate	0.020	U	0.38	0.020	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Fluoranthene	0.013	U	0.38	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1

Client Sample ID: SB-12_0-2_20200123
Date Collected: 01/23/20 14:40
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-4
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluorene	0.0051	U	0.38	0.0051	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Hexachlorobenzene	0.018	U	0.038	0.018	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Hexachlorobutadiene	0.0081	U *	0.077	0.0081	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Hexachlorocyclopentadiene	0.033	U	0.38	0.033	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Hexachloroethane	0.013	U	0.038	0.013	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Indeno[1,2,3-cd]pyrene	0.015	U	0.038	0.015	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Naphthalene	0.0065	U	0.38	0.0065	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Nitrobenzene	0.0091	U	0.038	0.0091	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
N-Nitrosodi-n-propylamine	0.027	U	0.038	0.027	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
N-Nitrosodiphenylamine	0.0072	U	0.38	0.0072	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Pentachlorophenol	0.078	U	0.30	0.078	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Phenanthrene	0.0067	U	0.38	0.0067	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Phenol	0.014	U	0.38	0.014	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1
Pyrene	**0.0099**	**J**	0.38	0.0094	mg/Kg	☼	01/25/20 11:22	01/26/20 04:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*63*		*10 - 137*	*01/25/20 11:22*	*01/26/20 04:44*	*1*
2-Fluorobiphenyl	*56*		*29 - 107*	*01/25/20 11:22*	*01/26/20 04:44*	*1*
2-Fluorophenol (Surr)	*56*		*20 - 115*	*01/25/20 11:22*	*01/26/20 04:44*	*1*
Nitrobenzene-d5 (Surr)	*48*		*25 - 113*	*01/25/20 11:22*	*01/26/20 04:44*	*1*
Phenol-d5 (Surr)	*56*		*28 - 109*	*01/25/20 11:22*	*01/26/20 04:44*	*1*
Terphenyl-d14 (Surr)	*54*		*27 - 123*	*01/25/20 11:22*	*01/26/20 04:44*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0077	0.0013	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
4,4'-DDE	0.00090	U	0.0077	0.00090	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
4,4'-DDT	0.0014	U	0.0077	0.0014	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Aldrin	0.0012	U	0.0077	0.0012	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
alpha-BHC	0.00078	U	0.0023	0.00078	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
beta-BHC	0.00086	U	0.0023	0.00086	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Chlordane (n.o.s.)	0.019	U	0.077	0.019	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
cis-Chlordane	0.0012	U	0.0077	0.0012	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
delta-BHC	0.00047	U	0.0023	0.00047	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Dieldrin	0.0010	U	0.0023	0.0010	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endosulfan I	0.0012	U	0.0077	0.0012	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endosulfan II	0.0020	U	0.0077	0.0020	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endosulfan sulfate	0.00096	U	0.0077	0.00096	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endrin	0.0011	U	0.0077	0.0011	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endrin aldehyde	0.0018	U	0.0077	0.0018	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Endrin ketone	0.0015	U	0.0077	0.0015	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
gamma-BHC (Lindane)	0.00071	U	0.0023	0.00071	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Heptachlor	0.00090	U	0.0077	0.00090	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Heptachlor epoxide	0.0011	U	0.0077	0.0011	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Methoxychlor	0.0018	U	0.0077	0.0018	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
Toxaphene	0.028	U	0.077	0.028	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1
trans-Chlordane	0.0013	U	0.0077	0.0013	mg/Kg	☼	01/24/20 19:45	01/27/20 18:23	1

Client Sample ID: SB-12_0-2_20200123

Date Collected: 01/23/20 14:40
Date Received: 01/23/20 18:30

Lab Sample ID: 460-201482-4

Matrix: Solid
Percent Solids: 87.4

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*78*		*49 - 150*	*01/24/20 19:45*	*01/27/20 18:23*	*1*
DCB Decachlorobiphenyl	*99*		*49 - 150*	*01/24/20 19:45*	*01/27/20 18:23*	*1*
Tetrachloro-m-xylene	*85*		*47 - 150*	*01/24/20 19:45*	*01/27/20 18:23*	*1*
Tetrachloro-m-xylene	*89*		*47 - 150*	*01/24/20 19:45*	*01/27/20 18:23*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.010	U	0.077	0.010	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1221	0.010	U	0.077	0.010	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1232	0.010	U	0.077	0.010	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1242	0.010	U	0.077	0.010	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1248	0.010	U	0.077	0.010	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1254	0.011	U	0.077	0.011	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1260	0.011	U	0.077	0.011	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor-1262	0.011	U	0.077	0.011	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Aroclor 1268	0.011	U	0.077	0.011	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1
Polychlorinated biphenyls, Total	0.011	U	0.077	0.011	mg/Kg	☼	01/24/20 19:52	01/27/20 09:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*53 - 150*	*01/24/20 19:52*	*01/27/20 09:56*	*1*
DCB Decachlorobiphenyl	*93*		*53 - 150*	*01/24/20 19:52*	*01/27/20 09:56*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9410**		22.2	7.6	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Antimony	0.33	U	1.1	0.33	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Arsenic	**6.3**		1.1	0.36	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Barium	**55.5**		2.2	0.74	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Beryllium	0.18	U	0.44	0.18	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Cadmium	0.37	U	1.1	0.37	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Calcium	**24600**		111	33.0	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Chromium	**9.1**		2.2	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Cobalt	**2.9**		2.2	0.67	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Copper	**8.9**		2.2	0.64	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Iron	**8850**		66.6	23.3	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Lead	**44.5**		0.67	0.21	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Magnesium	**6150**		111	30.9	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Manganese	**445**		4.4	1.4	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Nickel	**9.5**		2.2	0.72	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Potassium	**817**		111	40.0	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Selenium	0.32	U	5.6	0.32	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Silver	0.69	U	1.1	0.69	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Sodium	**1280**		111	34.8	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Thallium	0.14	U	0.44	0.14	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Vanadium	**15.8**		2.2	0.63	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10
Zinc	**26.8**		8.9	4.3	mg/Kg	☼	01/30/20 03:06	01/30/20 15:14	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.018	0.011	mg/Kg	☼	01/30/20 04:46	01/30/20 10:20	1

Client Sample ID: SB-12_0-2_20200123

Lab Sample ID: 460-201482-4
Date Collected: 01/23/20 14:40
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 87.4

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	12.6		1.0	1.0	%			01/28/20 20:24	1
Percent Solids	87.4		1.0	1.0	%			01/28/20 20:24	1

Client Sample ID: SB-03_0-2_20200124

Lab Sample ID: 460-201587-1
Date Collected: 01/24/20 11:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00036	U *	0.0012	0.00036	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,1,2-Trichloroethane	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2-Dibromo-3-Chloropropane	0.00055	U	0.0012	0.00055	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2-Dichloroethane	0.00035	U	0.0012	0.00035	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
2-Butanone (MEK)	0.0032	U	0.0060	0.0032	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
2-Hexanone	0.0020	U	0.0060	0.0020	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0060	0.0019	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Acetone	0.0068	U	0.0072	0.0068	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Bromoform	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Bromomethane	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Carbon tetrachloride	0.00046	U	0.0012	0.00046	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chlorodibromomethane	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chloroethane	0.00062	U	0.0012	0.00062	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chloroform	0.00038	U	0.0012	0.00038	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Chloromethane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Cyclohexane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Dichlorodifluoromethane	0.00040	U	0.0012	0.00040	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Methyl acetate	0.0051	U	0.0060	0.0051	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Methylcyclohexane	0.00060	U *	0.0012	0.00060	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-03_0-2_20200124
Date Collected: 01/24/20 11:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-1
Matrix: Solid
Percent Solids: 89.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	**0.00039**	**J**	0.0012	0.00021	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
o-Xylene	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Styrene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
trans-1,2-Dichloroethene	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1
Vinyl chloride	0.00065	U	0.0012	0.00065	mg/Kg	☼	01/25/20 18:22	01/29/20 01:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*78 - 135*	*01/25/20 18:22*	*01/29/20 01:29*	*1*
4-Bromofluorobenzene	*114*		*67 - 126*	*01/25/20 18:22*	*01/29/20 01:29*	*1*
Dibromofluoromethane (Surr)	*102*		*61 - 149*	*01/25/20 18:22*	*01/29/20 01:29*	*1*
Toluene-d8 (Surr)	*93*		*73 - 121*	*01/25/20 18:22*	*01/29/20 01:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.021**	**J**	0.37	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
1,2,4,5-Tetrachlorobenzene	0.012	U *	0.37	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,2'-oxybis[1-chloropropane]	0.0067	U	0.37	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4,5-Trichlorophenol	0.038	U *	0.37	0.038	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4,6-Trichlorophenol	0.047	U *	0.15	0.047	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4-Dichlorophenol	0.024	U *	0.15	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4-Dimethylphenol	0.016	U	0.37	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4-Dinitrophenol	0.18	U *	0.30	0.18	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,4-Dinitrotoluene	0.040	U	0.075	0.040	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2,6-Dinitrotoluene	0.027	U	0.075	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Methylnaphthalene	**0.057**	**J**	0.37	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Nitroaniline	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
2-Nitrophenol	0.037	U *	0.37	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
3,3'-Dichlorobenzidine	0.056	U	0.15	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
3-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4,6-Dinitro-2-methylphenol	0.060	U	0.30	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Chloroaniline	0.026	U	0.37	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Methylphenol	**0.031**	**J**	0.37	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
4-Nitrophenol	0.060	U	0.75	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Acenaphthene	**0.15**	**J**	0.37	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Acenaphthylene	**0.18**	**J**	0.37	0.0038	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1

Client Sample ID: SB-03_0-2_20200124
Lab Sample ID: 460-201587-1
Date Collected: 01/24/20 11:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.70**		0.37	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Atrazine	0.0093	U	0.15	0.0093	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzaldehyde	0.016	U	0.37	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzo[a]anthracene	**2.5**		0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzo[a]pyrene	**2.0**		0.037	0.0098	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzo[b]fluoranthene	**2.3**		0.037	0.0096	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzo[g,h,i]perylene	**1.0**		0.37	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Benzo[k]fluoranthene	**1.1**		0.037	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Bis(2-ethylhexyl) phthalate	0.020	U	0.37	0.020	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Butyl benzyl phthalate	0.017	U	0.37	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Caprolactam	0.058	U	0.37	0.058	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Carbazole	**0.23**	**J**	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Chrysene	**2.5**		0.37	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Dibenz(a,h)anthracene	**0.35**		0.037	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Dibenzofuran	**0.12**	**J**	0.37	0.0052	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Diethyl phthalate	0.0054	U	0.37	0.0054	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Dimethyl phthalate	0.084	U	0.37	0.084	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Di-n-butyl phthalate	0.065	U	0.37	0.065	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Di-n-octyl phthalate	0.020	U	0.37	0.020	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Fluoranthene	**4.5**		0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Fluorene	**0.24**	**J**	0.37	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Hexachlorobenzene	0.018	U	0.037	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Hexachlorobutadiene	0.0079	U *	0.075	0.0079	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Hexachlorocyclopentadiene	0.032	U	0.37	0.032	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Indeno[1,2,3-cd]pyrene	**1.2**		0.037	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Naphthalene	**0.12**	**J**	0.37	0.0064	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Nitrobenzene	0.0089	U	0.037	0.0089	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
N-Nitrosodiphenylamine	0.0071	U	0.37	0.0071	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Pentachlorophenol	0.076	U	0.30	0.076	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Phenanthrene	**3.2**		0.37	0.0065	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Phenol	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1
Pyrene	**4.6**		0.37	0.0092	mg/Kg	☼	01/27/20 19:37	01/28/20 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*10 - 137*	*01/27/20 19:37*	*01/28/20 10:51*	*1*
2-Fluorobiphenyl	*75*		*29 - 107*	*01/27/20 19:37*	*01/28/20 10:51*	*1*
2-Fluorophenol (Surr)	*60*		*20 - 115*	*01/27/20 19:37*	*01/28/20 10:51*	*1*
Nitrobenzene-d5 (Surr)	*57*		*25 - 113*	*01/27/20 19:37*	*01/28/20 10:51*	*1*
Phenol-d5 (Surr)	*62*		*28 - 109*	*01/27/20 19:37*	*01/28/20 10:51*	*1*
Terphenyl-d14 (Surr)	*88*		*27 - 123*	*01/27/20 19:37*	*01/28/20 10:51*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.015**		0.0075	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
4,4'-DDE	**0.0037**	**J**	0.0075	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1

Client Sample ID: SB-03_0-2_20200124

Date Collected: 01/24/20 11:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-1

Matrix: Solid
Percent Solids: 89.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	**0.021**		0.0075	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Aldrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
beta-BHC	0.00084	U	0.0022	0.00084	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Chlordane (n.o.s.)	0.018	U	0.075	0.018	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
cis-Chlordane	0.0012	U	0.0075	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Dieldrin	0.00097	U	0.0022	0.00097	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endosulfan I	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endosulfan II	0.0019	U	0.0075	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endosulfan sulfate	0.00094	U	0.0075	0.00094	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endrin aldehyde	0.0018	U	0.0075	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Endrin ketone	0.0015	U	0.0075	0.0015	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Heptachlor	0.00088	U	0.0075	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Heptachlor epoxide	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Methoxychlor	0.0017	U	0.0075	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
Toxaphene	0.027	U	0.075	0.027	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1
trans-Chlordane	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*94*		*49 - 150*	*01/27/20 20:31*	*01/28/20 13:37*	*1*
DCB Decachlorobiphenyl	*89*		*49 - 150*	*01/27/20 20:31*	*01/28/20 13:37*	*1*
Tetrachloro-m-xylene	*86*		*47 - 150*	*01/27/20 20:31*	*01/28/20 13:37*	*1*
Tetrachloro-m-xylene	*86*		*47 - 150*	*01/27/20 20:31*	*01/28/20 13:37*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1221	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1232	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1242	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1248	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1254	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1260	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor-1262	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Aroclor 1268	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1
Polychlorinated biphenyls, Total	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*124*		*53 - 150*	*01/27/20 20:39*	*01/28/20 14:43*	*1*
DCB Decachlorobiphenyl	*129*		*53 - 150*	*01/27/20 20:39*	*01/28/20 14:43*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8300**		21.9	7.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Antimony	0.32	U	1.1	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Arsenic	**8.4**		1.1	0.35	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Barium	**345**		2.2	0.73	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10

Client Sample ID: SB-03_0-2_20200124

Lab Sample ID: 460-201587-1
Date Collected: 01/24/20 11:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.27	J	0.44	0.18	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Cadmium	0.54	J	1.1	0.37	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Calcium	7570		110	32.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Chromium	24.1		2.2	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Cobalt	8.4		2.2	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Copper	169		2.2	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Iron	23600		65.8	23.0	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Lead	642		0.66	0.21	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Magnesium	2100		110	30.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Manganese	408		4.4	1.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Nickel	16.6		2.2	0.71	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Potassium	1020		110	39.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Selenium	0.76	J	5.5	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Silver	0.68	U	1.1	0.68	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Sodium	304		110	34.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Thallium	0.14	U	0.44	0.14	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Vanadium	28.5		2.2	0.62	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10
Zinc	380		8.8	4.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:23	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	2.1		0.091	0.053	mg/Kg	☼	01/30/20 04:02	01/30/20 11:47	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.6		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	89.4		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-03_2-4_20200124

Lab Sample ID: 460-201587-2
Date Collected: 01/24/20 12:00
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.053	U	0.19	0.053	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,1,2,2-Tetrachloroethane	0.036	U	0.19	0.036	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,1,2-Trichloro-1,2,2-trifluoroethane	0.065	U	0.19	0.065	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,1,2-Trichloroethane	0.015	U	0.19	0.015	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,1-Dichloroethane	0.046	U	0.19	0.046	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,1-Dichloroethene	0.050	U	0.19	0.050	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2,3-Trichlorobenzene	0.067	U	0.19	0.067	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2,4-Trichlorobenzene	0.051	U	0.19	0.051	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2-Dibromo-3-Chloropropane	0.044	U	0.19	0.044	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2-Dichlorobenzene	0.042	U	0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2-Dichloroethane	0.048	U	0.19	0.048	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,2-Dichloropropane	0.034	U	0.19	0.034	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,3-Dichlorobenzene	0.063	U	0.19	0.063	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
1,4-Dichlorobenzene	0.064	U	0.19	0.064	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
2-Butanone (MEK)	0.42	U	0.95	0.42	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
2-Hexanone	0.22	U	0.95	0.22	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-03_2-4_20200124
Date Collected: 01/24/20 12:00
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-2
Matrix: Solid
Percent Solids: 90.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.25	U	0.95	0.25	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Acetone	0.84	U	0.95	0.84	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Benzene	**0.27**		0.19	0.038	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Bromoform	0.034	U	0.19	0.034	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Bromomethane	0.11	U	0.19	0.11	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Carbon disulfide	0.13	U	0.19	0.13	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Carbon tetrachloride	0.063	U	0.19	0.063	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chlorobenzene	0.046	U	0.19	0.046	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chlorobromomethane	0.057	U	0.19	0.057	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chlorodibromomethane	0.042	U	0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chloroethane	0.070	U	0.19	0.070	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chloroform	0.042	U	0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Chloromethane	0.076	U	0.19	0.076	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
cis-1,2-Dichloroethene	0.049	U	0.19	0.049	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
cis-1,3-Dichloropropene	0.042	U	0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Cyclohexane	**4.8**		0.19	0.049	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Dichlorobromomethane	0.029	U	0.19	0.029	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Dichlorodifluoromethane	0.059	U	0.19	0.059	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Ethylbenzene	**9.6**		0.19	0.057	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Ethylene Dibromide	0.036	U	0.19	0.036	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Isopropylbenzene	**2.9**		0.19	0.061	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Methyl acetate	0.15	U	0.95	0.15	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Methyl tert-butyl ether	0.025	U	0.19	0.025	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Methylcyclohexane	**20**		0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Methylene Chloride	0.040	U	0.19	0.040	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
m-Xylene & p-Xylene	**63**		0.19	0.053	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
o-Xylene	**21**		0.19	0.061	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Styrene	0.032	U	0.19	0.032	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Tetrachloroethene	0.068	U	0.19	0.068	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Toluene	**12**		0.19	0.048	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
trans-1,2-Dichloroethene	0.034	U	0.19	0.034	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
trans-1,3-Dichloropropene	0.036	U	0.19	0.036	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Trichloroethene	0.042	U	0.19	0.042	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Trichlorofluoromethane	0.061	U	0.19	0.061	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100
Vinyl chloride	0.038	U	0.19	0.038	mg/Kg	☼	01/25/20 18:10	01/29/20 06:14	100

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*126*		*69 - 143*	*01/25/20 18:10*	*01/29/20 06:14*	*100*
4-Bromofluorobenzene	*112*		*61 - 137*	*01/25/20 18:10*	*01/29/20 06:14*	*100*
Dibromofluoromethane (Surr)	*114*		*61 - 135*	*01/25/20 18:10*	*01/29/20 06:14*	*100*
Toluene-d8 (Surr)	*121*		*67 - 127*	*01/25/20 18:10*	*01/29/20 06:14*	*100*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	**0.22**	**J F1**	0.36	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,2'-oxybis[1-chloropropane]	0.0066	U	0.36	0.0066	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.36	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,4,5-Trichlorophenol	0.037	U *	0.36	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-03_2-4_20200124
Date Collected: 01/24/20 12:00
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-2
Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.047	U *	0.15	0.047	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,4-Dichlorophenol	0.023	U *	0.15	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,4-Dinitrophenol	0.18	U *	0.29	0.18	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,4-Dinitrotoluene	0.039	U	0.074	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2,6-Dinitrotoluene	0.026	U	0.074	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Chloronaphthalene	0.017	U F1	0.36	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Chlorophenol	0.013	U F1	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Methylnaphthalene	**6.8**	**F1**	0.36	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Methylphenol	0.014	U F1	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Nitroaniline	0.014	U	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
2-Nitrophenol	0.037	U *	0.36	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
3,3'-Dichlorobenzidine	0.055	U	0.15	0.055	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
3-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4,6-Dinitro-2-methylphenol	0.059	U	0.29	0.059	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Chloroaniline	0.026	U	0.36	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Methylphenol	0.023	U F1	0.36	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Nitroaniline	0.042	U	0.36	0.042	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
4-Nitrophenol	0.059	U	0.74	0.059	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Acenaphthene	0.027	U F1	0.36	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Acenaphthylene	0.0038	U F1	0.36	0.0038	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Acetophenone	0.018	U F1	0.36	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Anthracene	**0.032**	**J F1**	0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Atrazine	0.0092	U	0.15	0.0092	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzaldehyde	0.016	U	0.36	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzo[a]anthracene	**0.038**		0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzo[a]pyrene	**0.021**	**J F1**	0.036	0.0097	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzo[b]fluoranthene	**0.027**	**J**	0.036	0.0094	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzo[g,h,i]perylene	**0.015**	**J**	0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Benzo[k]fluoranthene	**0.0097**	**J**	0.036	0.0071	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Bis(2-chloroethoxy)methane	0.028	U F1	0.36	0.028	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Bis(2-chloroethyl)ether	0.013	U F1	0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Bis(2-ethylhexyl) phthalate	0.019	U F1	0.36	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Butyl benzyl phthalate	0.017	U F1	0.36	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Caprolactam	0.057	U	0.36	0.057	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Carbazole	0.014	U F1	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Chrysene	**0.031**	**J**	0.36	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Dibenz(a,h)anthracene	0.016	U	0.036	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Dibenzofuran	**0.11**	**J F1**	0.36	0.0051	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Diethyl phthalate	0.0053	U	0.36	0.0053	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Dimethyl phthalate	0.083	U F1	0.36	0.083	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Di-n-butyl phthalate	0.064	U F1	0.36	0.064	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Fluoranthene	**0.070**	**J**	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Fluorene	**0.11**	**J**	0.36	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1

Client Sample ID: SB-03_2-4_20200124

Date Collected: 01/24/20 12:00
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-2

Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0078	U *	0.074	0.0078	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Hexachlorocyclopentadiene	0.032	U F1	0.36	0.032	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Hexachloroethane	0.013	U	0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Indeno[1,2,3-cd]pyrene	**0.014**	**J**	0.036	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Isophorone	0.11	U F1	0.15	0.11	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Naphthalene	**6.3**	**F1**	0.36	0.0063	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Nitrobenzene	0.0088	U F1	0.036	0.0088	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
N-Nitrosodi-n-propylamine	0.026	U F1	0.036	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
N-Nitrosodiphenylamine	0.0070	U	0.36	0.0070	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Pentachlorophenol	0.075	U	0.29	0.075	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Phenanthrene	**0.31**	**J**	0.36	0.0064	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1
Pyrene	**0.077**	**J**	0.36	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*10 - 137*	*01/27/20 19:37*	*01/28/20 09:41*	*1*
2-Fluorobiphenyl	*63*		*29 - 107*	*01/27/20 19:37*	*01/28/20 09:41*	*1*
2-Fluorophenol (Surr)	*62*		*20 - 115*	*01/27/20 19:37*	*01/28/20 09:41*	*1*
Nitrobenzene-d5 (Surr)	*65*		*25 - 113*	*01/27/20 19:37*	*01/28/20 09:41*	*1*
Phenol-d5 (Surr)	*63*		*28 - 109*	*01/27/20 19:37*	*01/28/20 09:41*	*1*
Terphenyl-d14 (Surr)	*66*		*27 - 123*	*01/27/20 19:37*	*01/28/20 09:41*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0074	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
4,4'-DDE	0.00087	U	0.0074	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
4,4'-DDT	0.0014	U	0.0074	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Aldrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
alpha-BHC	0.00075	U	0.0022	0.00075	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
beta-BHC	0.00083	U	0.0022	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Chlordane (n.o.s.)	0.018	U	0.074	0.018	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
cis-Chlordane	0.0012	U	0.0074	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
delta-BHC	0.00045	U	0.0022	0.00045	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Dieldrin	0.00096	U	0.0022	0.00096	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endosulfan I	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endosulfan II	0.0019	U	0.0074	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endosulfan sulfate	0.00093	U	0.0074	0.00093	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endrin aldehyde	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Endrin ketone	0.0014	U	0.0074	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
gamma-BHC (Lindane)	0.00068	U	0.0022	0.00068	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Heptachlor	0.00087	U	0.0074	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Heptachlor epoxide	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Methoxychlor	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
Toxaphene	0.027	U	0.074	0.027	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1
trans-Chlordane	0.0013	U	0.0074	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*96*		*49 - 150*	*01/27/20 20:31*	*01/28/20 13:53*	*1*
DCB Decachlorobiphenyl	*118*		*49 - 150*	*01/27/20 20:31*	*01/28/20 13:53*	*1*

Client Sample ID: SB-03_2-4_20200124

Date Collected: 01/24/20 12:00
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-2

Matrix: Solid
Percent Solids: 90.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*93*		*47 - 150*	*01/27/20 20:31*	*01/28/20 13:53*	*1*
Tetrachloro-m-xylene	*90*		*47 - 150*	*01/27/20 20:31*	*01/28/20 13:53*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1221	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1232	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1242	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1248	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1254	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1260	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor-1262	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Aroclor 1268	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1
Polychlorinated biphenyls, Total	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*140*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:00*	*1*
DCB Decachlorobiphenyl	*149*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:00*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6450**		21.0	7.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Antimony	0.31	U	1.1	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Arsenic	**2.1**		1.1	0.34	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Barium	**39.0**		2.1	0.70	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Beryllium	**0.18**	**J**	0.42	0.17	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Cadmium	0.35	U	1.1	0.35	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Calcium	**3340**		105	31.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Chromium	**15.3**		2.1	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Cobalt	**6.7**		2.1	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Copper	**17.3**		2.1	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Iron	**18800**		63.0	22.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Lead	**8.4**		0.63	0.20	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Magnesium	**2180**		105	29.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Manganese	**262**		4.2	1.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Nickel	**12.6**		2.1	0.68	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Potassium	**1070**		105	37.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Selenium	0.30	U	5.3	0.30	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Silver	0.65	U	1.1	0.65	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Sodium	**250**		105	32.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Thallium	0.13	U	0.42	0.13	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Vanadium	**24.6**		2.1	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10
Zinc	**30.3**		8.4	4.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:33	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg	☼	01/30/20 04:02	01/30/20 11:52	1

Client Sample ID: SB-03_2-4_20200124

Lab Sample ID: 460-201587-2
Date Collected: 01/24/20 12:00
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	9.3		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	90.7		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-07_0-2_20200124

Lab Sample ID: 460-201587-3
Date Collected: 01/24/20 10:39
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.3

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U *	0.0012	0.00037	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2,4-Trichlorobenzene	0.00044	U	0.0012	0.00044	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2-Dibromo-3-Chloropropane	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2-Dichlorobenzene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
2-Butanone (MEK)	0.0033	U	0.0061	0.0033	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
2-Hexanone	0.0021	U	0.0061	0.0021	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0061	0.0019	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Acetone	0.0070	U	0.0073	0.0070	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Bromoform	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Bromomethane	0.00058	U	0.0012	0.00058	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chloroform	0.00039	U	0.0012	0.00039	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Chloromethane	0.00053	U	0.0012	0.00053	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Methyl acetate	0.0052	U	0.0061	0.0052	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Methylcyclohexane	0.00061	U *	0.0012	0.00061	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-07_0-2_20200124
Date Collected: 01/24/20 10:39
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-3
Matrix: Solid
Percent Solids: 96.3

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Trichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	01/25/20 18:23	01/29/20 01:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*78 - 135*	*01/25/20 18:23*	*01/29/20 01:53*	*1*
4-Bromofluorobenzene	*108*		*67 - 126*	*01/25/20 18:23*	*01/29/20 01:53*	*1*
Dibromofluoromethane (Surr)	*98*		*61 - 149*	*01/25/20 18:23*	*01/29/20 01:53*	*1*
Toluene-d8 (Surr)	*88*		*73 - 121*	*01/25/20 18:23*	*01/29/20 01:53*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
1,4-Dioxane	0.0095	U	0.10	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,2'-oxybis[1-chloropropane]	0.0062	U	0.34	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4-Dinitrophenol	0.17	U *	0.28	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,4-Dinitrotoluene	0.037	U	0.070	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2,6-Dinitrotoluene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Methylnaphthalene	**0.011**	**J**	0.34	0.0096	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
2-Nitrophenol	0.034	U *	0.34	0.034	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
3-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4,6-Dinitro-2-methylphenol	0.056	U	0.28	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Methylphenol	0.021	U	0.34	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
4-Nitrophenol	0.056	U	0.70	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Acenaphthylene	**0.022**	**J**	0.34	0.0035	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1

Client Sample ID: SB-07_0-2_20200124
Date Collected: 01/24/20 10:39
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-3
Matrix: Solid
Percent Solids: 96.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.066**	**J**	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Atrazine	0.0087	U	0.14	0.0087	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzo[a]anthracene	**0.34**		0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzo[a]pyrene	**0.30**		0.034	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzo[b]fluoranthene	**0.42**		0.034	0.0089	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzo[g,h,i]perylene	**0.18**	**J**	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Benzo[k]fluoranthene	**0.18**		0.034	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Bis(2-ethylhexyl) phthalate	**0.13**	**J**	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Caprolactam	0.053	U	0.34	0.053	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Carbazole	**0.042**	**J**	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Chrysene	**0.36**		0.34	0.0058	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Dibenz(a,h)anthracene	**0.050**		0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Dibenzofuran	**0.020**	**J**	0.34	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Diethyl phthalate	0.0050	U	0.34	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Di-n-butyl phthalate	0.061	U	0.34	0.061	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Fluoranthene	**0.60**		0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Fluorene	**0.029**	**J**	0.34	0.0047	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Hexachlorobutadiene	0.0073	U *	0.070	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Indeno[1,2,3-cd]pyrene	**0.17**		0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Isophorone	0.099	U	0.14	0.099	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Naphthalene	**0.017**	**J**	0.34	0.0059	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Nitrobenzene	0.0082	U	0.034	0.0082	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
N-Nitrosodiphenylamine	0.0066	U	0.34	0.0066	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Pentachlorophenol	0.070	U	0.28	0.070	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Phenanthrene	**0.39**		0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1
Pyrene	**0.57**		0.34	0.0085	mg/Kg	☼	01/27/20 19:37	01/28/20 11:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*77*		*10 - 137*	*01/27/20 19:37*	*01/28/20 11:14*	*1*
2-Fluorobiphenyl	*61*		*29 - 107*	*01/27/20 19:37*	*01/28/20 11:14*	*1*
2-Fluorophenol (Surr)	*48*		*20 - 115*	*01/27/20 19:37*	*01/28/20 11:14*	*1*
Nitrobenzene-d5 (Surr)	*45*		*25 - 113*	*01/27/20 19:37*	*01/28/20 11:14*	*1*
Phenol-d5 (Surr)	*49*		*28 - 109*	*01/27/20 19:37*	*01/28/20 11:14*	*1*
Terphenyl-d14 (Surr)	*73*		*27 - 123*	*01/27/20 19:37*	*01/28/20 11:14*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
4,4'-DDE	**0.0022**	**J**	0.0070	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1

Client Sample ID: SB-07_0-2_20200124

Date Collected: 01/24/20 10:39
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-3

Matrix: Solid
Percent Solids: 96.3

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	**0.0090**		0.0070	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Aldrin	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
alpha-BHC	0.00071	U	0.0021	0.00071	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
beta-BHC	0.00078	U	0.0021	0.00078	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Chlordane (n.o.s.)	0.017	U	0.070	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
cis-Chlordane	**0.0032**	**J p**	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
delta-BHC	0.00043	U	0.0021	0.00043	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Dieldrin	**0.0024**		0.0021	0.00090	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endosulfan I	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endosulfan II	0.0018	U	0.0070	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endosulfan sulfate	0.00087	U	0.0070	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endrin	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endrin aldehyde	0.0016	U	0.0070	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Endrin ketone	0.0014	U	0.0070	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
gamma-BHC (Lindane)	0.00064	U	0.0021	0.00064	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Heptachlor	0.00082	U	0.0070	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Heptachlor epoxide	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Methoxychlor	0.0016	U	0.0070	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
Toxaphene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1
trans-Chlordane	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:08*	*1*
DCB Decachlorobiphenyl	*105*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:08*	*1*
Tetrachloro-m-xylene	*89*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:08*	*1*
Tetrachloro-m-xylene	*91*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:08*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.070	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1221	0.0092	U	0.070	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1232	0.0092	U	0.070	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1242	0.0092	U	0.070	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1248	0.0092	U	0.070	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1254	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1260	**0.083**		0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor-1262	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Aroclor 1268	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1
Polychlorinated biphenyls, Total	**0.083**		0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*121*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:17*	*1*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:17*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5200**		19.4	6.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Antimony	**1.0**		0.97	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Arsenic	**3.2**		0.97	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Barium	**115**		1.9	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10

Client Sample ID: SB-07_0-2_20200124

Lab Sample ID: 460-201587-3
Date Collected: 01/24/20 10:39
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.3

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	**0.36**	**J**	0.39	0.16	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Cadmium	**0.46**	**J**	0.97	0.33	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Calcium	**21900**		97.1	28.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Chromium	**12.5**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Cobalt	**8.3**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Copper	**43.1**		1.9	0.56	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Iron	**17900**		58.2	20.4	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Lead	**297**		0.58	0.18	mg/Kg	☼	01/30/20 03:02	01/31/20 12:58	10
Magnesium	**3020**		97.1	27.0	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Manganese	**200**		3.9	1.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Nickel	**16.4**		1.9	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Potassium	**1100**		97.1	34.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Selenium	0.28	U	4.9	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Silver	0.60	U	0.97	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Sodium	**1170**		97.1	30.4	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Thallium	0.12	U	0.39	0.12	mg/Kg	☼	01/30/20 03:02	01/31/20 12:58	10
Vanadium	**31.6**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10
Zinc	**162**		7.8	3.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:40	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.016	0.0093	mg/Kg	☼	01/30/20 04:02	01/30/20 08:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.7**		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	**96.3**		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-07_18-20_20200124

Lab Sample ID: 460-201587-4
Date Collected: 01/24/20 10:44
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00027	U	0.0011	0.00027	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,1,2,2-Tetrachloroethane	0.00024	U	0.0011	0.00024	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00034	U *	0.0011	0.00034	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,1,2-Trichloroethane	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,1-Dichloroethane	0.00023	U	0.0011	0.00023	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,1-Dichloroethene	0.00026	U	0.0011	0.00026	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2,3-Trichlorobenzene	0.00021	U	0.0011	0.00021	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2,4-Trichlorobenzene	0.00041	U	0.0011	0.00041	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2-Dibromo-3-Chloropropane	0.00052	U	0.0011	0.00052	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2-Dichlorobenzene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2-Dichloroethane	0.00034	U	0.0011	0.00034	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,2-Dichloropropane	0.00048	U	0.0011	0.00048	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,3-Dichlorobenzene	0.00018	U	0.0011	0.00018	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
1,4-Dichlorobenzene	0.00026	U	0.0011	0.00026	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
2-Butanone (MEK)	0.0031	U	0.0057	0.0031	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
2-Hexanone	0.0019	U	0.0057	0.0019	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-07_18-20_20200124
Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4
Matrix: Solid
Percent Solids: 95.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0018	U	0.0057	0.0018	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Acetone	0.0065	U	0.0068	0.0065	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Benzene	0.00029	U	0.0011	0.00029	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Bromoform	0.00048	U	0.0011	0.00048	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Bromomethane	0.00054	U	0.0011	0.00054	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Carbon disulfide	0.00030	U	0.0011	0.00030	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Carbon tetrachloride	0.00044	U	0.0011	0.00044	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chlorobenzene	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chlorobromomethane	0.00032	U	0.0011	0.00032	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chlorodibromomethane	0.00022	U	0.0011	0.00022	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chloroethane	0.00059	U	0.0011	0.00059	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chloroform	0.00036	U	0.0011	0.00036	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Chloromethane	0.00050	U	0.0011	0.00050	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
cis-1,2-Dichloroethene	0.00017	U	0.0011	0.00017	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
cis-1,3-Dichloropropene	0.00031	U	0.0011	0.00031	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Cyclohexane	0.00025	U	0.0011	0.00025	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Dichlorobromomethane	0.00029	U	0.0011	0.00029	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Dichlorodifluoromethane	0.00038	U	0.0011	0.00038	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Ethylbenzene	0.00023	U	0.0011	0.00023	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Ethylene Dibromide	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Isopropylbenzene	0.00014	U	0.0011	0.00014	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Methyl acetate	0.0049	U	0.0057	0.0049	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Methyl tert-butyl ether	0.00014	U	0.0011	0.00014	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Methylcyclohexane	0.00057	U *	0.0011	0.00057	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Methylene Chloride	**0.00078**	**J**	0.0011	0.00053	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
m-Xylene & p-Xylene	0.00020	U	0.0011	0.00020	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
o-Xylene	0.00022	U	0.0011	0.00022	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Styrene	0.00032	U	0.0011	0.00032	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Tetrachloroethene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Toluene	0.00027	U	0.0011	0.00027	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
trans-1,2-Dichloroethene	0.00028	U	0.0011	0.00028	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
trans-1,3-Dichloropropene	0.00030	U	0.0011	0.00030	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Trichloroethene	0.00016	U	0.0011	0.00016	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Trichlorofluoromethane	0.00046	U	0.0011	0.00046	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1
Vinyl chloride	0.00062	U	0.0011	0.00062	mg/Kg	☼	01/25/20 18:24	01/29/20 02:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*78 - 135*	*01/25/20 18:24*	*01/29/20 02:18*	*1*
4-Bromofluorobenzene	*111*		*67 - 126*	*01/25/20 18:24*	*01/29/20 02:18*	*1*
Dibromofluoromethane (Surr)	*100*		*61 - 149*	*01/25/20 18:24*	*01/29/20 02:18*	*1*
Toluene-d8 (Surr)	*90*		*73 - 121*	*01/25/20 18:24*	*01/29/20 02:18*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
1,4-Dioxane	0.0095	U	0.10	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,2'-oxybis[1-chloropropane]	0.0062	U	0.34	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-07_18-20_20200124
Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4
Matrix: Solid
Percent Solids: 95.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,4-Dinitrophenol	0.17	U *	0.28	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,4-Dinitrotoluene	0.037	U	0.070	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2,6-Dinitrotoluene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Methylnaphthalene	0.0096	U	0.34	0.0096	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
2-Nitrophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
3-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4,6-Dinitro-2-methylphenol	0.056	U	0.28	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Methylphenol	0.022	U	0.34	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Nitroaniline	0.040	U	0.34	0.040	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
4-Nitrophenol	0.056	U	0.70	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Acenaphthylene	0.0036	U	0.34	0.0036	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Anthracene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Atrazine	0.0087	U	0.14	0.0087	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzo[a]pyrene	0.0092	U	0.034	0.0092	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzo[b]fluoranthene	0.0089	U	0.034	0.0089	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Benzo[k]fluoranthene	0.0068	U	0.034	0.0068	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Caprolactam	0.054	U	0.34	0.054	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Chrysene	0.0058	U	0.34	0.0058	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Dibenzofuran	0.0048	U	0.34	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Diethyl phthalate	0.0050	U	0.34	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Di-n-butyl phthalate	0.061	U	0.34	0.061	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Fluorene	0.0047	U	0.34	0.0047	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1

Client Sample ID: SB-07_18-20_20200124
Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4
Matrix: Solid
Percent Solids: 95.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0073	U *	0.070	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Naphthalene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Nitrobenzene	0.0083	U	0.034	0.0083	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
N-Nitrosodiphenylamine	0.0066	U	0.34	0.0066	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Pentachlorophenol	0.071	U	0.28	0.071	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Phenanthrene	0.0061	U	0.34	0.0061	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1
Pyrene	0.0086	U	0.34	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 11:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*97*		*10 - 137*	*01/27/20 19:37*	*01/28/20 11:37*	*1*
2-Fluorobiphenyl	*88*		*29 - 107*	*01/27/20 19:37*	*01/28/20 11:37*	*1*
2-Fluorophenol (Surr)	*78*		*20 - 115*	*01/27/20 19:37*	*01/28/20 11:37*	*1*
Nitrobenzene-d5 (Surr)	*75*		*25 - 113*	*01/27/20 19:37*	*01/28/20 11:37*	*1*
Phenol-d5 (Surr)	*75*		*28 - 109*	*01/27/20 19:37*	*01/28/20 11:37*	*1*
Terphenyl-d14 (Surr)	*94*		*27 - 123*	*01/27/20 19:37*	*01/28/20 11:37*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
4,4'-DDE	0.00082	U	0.0070	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
4,4'-DDT	0.0013	U	0.0070	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Aldrin	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
alpha-BHC	0.00071	U	0.0021	0.00071	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
beta-BHC	0.00078	U	0.0021	0.00078	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Chlordane (n.o.s.)	0.017	U	0.070	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
cis-Chlordane	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
delta-BHC	0.00043	U	0.0021	0.00043	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Dieldrin	0.00091	U	0.0021	0.00091	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endosulfan I	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endosulfan II	0.0018	U	0.0070	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endosulfan sulfate	0.00088	U	0.0070	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endrin	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endrin aldehyde	0.0016	U	0.0070	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Endrin ketone	0.0014	U	0.0070	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
gamma-BHC (Lindane)	0.00065	U	0.0021	0.00065	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Heptachlor	0.00082	U	0.0070	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Heptachlor epoxide	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Methoxychlor	0.0016	U	0.0070	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
Toxaphene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1
trans-Chlordane	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:24*	*1*
DCB Decachlorobiphenyl	*101*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:24*	*1*

Client Sample ID: SB-07_18-20_20200124

Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4

Matrix: Solid
Percent Solids: 95.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*89*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:24*	*1*
Tetrachloro-m-xylene	*88*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:24*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1221	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1232	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1242	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1248	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1254	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1260	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor-1262	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Aroclor 1268	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1
Polychlorinated biphenyls, Total	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 15:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*97*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:34*	*1*
DCB Decachlorobiphenyl	*109*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:34*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2470**		20.9	7.1	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Antimony	0.31	U F1	1.0	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Arsenic	**1.7**		1.0	0.33	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Barium	**26.1**	**F1**	2.1	0.69	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Beryllium	0.17	U	0.42	0.17	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Cadmium	0.35	U	1.0	0.35	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Calcium	**1110**		104	31.0	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Chromium	**9.7**		2.1	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Cobalt	**6.2**		2.1	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Copper	**14.4**		2.1	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Iron	**20900**		62.6	21.9	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Lead	**4.7**		0.63	0.20	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Magnesium	**1400**	**F1**	104	29.0	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Manganese	**334**		4.2	1.3	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Nickel	**10.1**		2.1	0.68	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Potassium	**432**	**F1**	104	37.5	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Selenium	0.30	U	5.2	0.30	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Silver	0.64	U	1.0	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Sodium	**153**		104	32.6	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Thallium	0.13	U	0.42	0.13	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Vanadium	**30.3**	**F1**	2.1	0.59	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10
Zinc	**19.7**		8.3	4.1	mg/Kg	☼	01/30/20 03:02	01/30/20 15:56	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg	☼	01/30/20 04:02	01/30/20 08:22	1

Client Sample ID: SB-07_18-20_20200124

Lab Sample ID: 460-201587-4

Date Collected: 01/24/20 10:44
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 95.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.1		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	95.9		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-09_0-2_20200124

Lab Sample ID: 460-201587-5

Date Collected: 01/24/20 12:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.8

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00036	U *	0.0012	0.00036	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,1,2-Trichloroethane	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2-Dibromo-3-Chloropropane	0.00055	U	0.0012	0.00055	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
2-Butanone (MEK)	0.0033	U	0.0060	0.0033	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
2-Hexanone	0.0021	U	0.0060	0.0021	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0060	0.0019	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Acetone	0.0069	U	0.0072	0.0069	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Bromoform	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Bromomethane	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chlorodibromomethane	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chloroform	0.00038	U	0.0012	0.00038	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Chloromethane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Methyl acetate	0.0052	U	0.0060	0.0052	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Methylcyclohexane	0.00060	U *	0.0012	0.00060	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1

Client Sample ID: SB-09_0-2_20200124

Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5

Matrix: Solid
Percent Solids: 96.8

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
o-Xylene	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Styrene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	01/25/20 18:24	01/29/20 02:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*78 - 135*	*01/25/20 18:24*	*01/29/20 02:42*	*1*
4-Bromofluorobenzene	*112*		*67 - 126*	*01/25/20 18:24*	*01/29/20 02:42*	*1*
Dibromofluoromethane (Surr)	*102*		*61 - 149*	*01/25/20 18:24*	*01/29/20 02:42*	*1*
Toluene-d8 (Surr)	*92*		*73 - 121*	*01/25/20 18:24*	*01/29/20 02:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0045	U	0.34	0.0045	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
1,4-Dioxane	0.0094	U	0.10	0.0094	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,2'-oxybis[1-chloropropane]	0.0062	U	0.34	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4-Dinitrophenol	0.17	U *	0.27	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,4-Dinitrotoluene	0.037	U	0.069	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2,6-Dinitrotoluene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Methylnaphthalene	0.0095	U	0.34	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
2-Nitrophenol	0.034	U *	0.34	0.034	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
3-Nitroaniline	0.038	U	0.34	0.038	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4,6-Dinitro-2-methylphenol	0.055	U	0.27	0.055	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Methylphenol	0.021	U	0.34	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
4-Nitrophenol	0.056	U	0.69	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Acenaphthylene	0.0035	U	0.34	0.0035	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1

Client Sample ID: SB-09_0-2_20200124

Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5

Matrix: Solid
Percent Solids: 96.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Atrazine	0.0086	U	0.14	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzo[a]pyrene	0.0091	U	0.034	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzo[b]fluoranthene	0.0088	U	0.034	0.0088	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Benzo[k]fluoranthene	0.0067	U	0.034	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Caprolactam	0.053	U	0.34	0.053	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Chrysene	0.0058	U	0.34	0.0058	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Dibenzofuran	0.0048	U	0.34	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Diethyl phthalate	0.0049	U	0.34	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Di-n-butyl phthalate	0.060	U	0.34	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Fluorene	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Hexachlorobutadiene	0.0073	U *	0.069	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Isophorone	0.099	U	0.14	0.099	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Naphthalene	0.0059	U	0.34	0.0059	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Nitrobenzene	0.0082	U	0.034	0.0082	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
N-Nitrosodiphenylamine	0.0065	U	0.34	0.0065	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Pentachlorophenol	0.070	U	0.27	0.070	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Phenanthrene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1
Pyrene	0.0085	U	0.34	0.0085	mg/Kg	☼	01/27/20 19:37	01/28/20 12:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*107*		*10 - 137*	*01/27/20 19:37*	*01/28/20 12:00*	*1*
2-Fluorobiphenyl	*101*		*29 - 107*	*01/27/20 19:37*	*01/28/20 12:00*	*1*
2-Fluorophenol (Surr)	*89*		*20 - 115*	*01/27/20 19:37*	*01/28/20 12:00*	*1*
Nitrobenzene-d5 (Surr)	*86*		*25 - 113*	*01/27/20 19:37*	*01/28/20 12:00*	*1*
Phenol-d5 (Surr)	*85*		*28 - 109*	*01/27/20 19:37*	*01/28/20 12:00*	*1*
Terphenyl-d14 (Surr)	*107*		*27 - 123*	*01/27/20 19:37*	*01/28/20 12:00*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
4,4'-DDE	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1

Client Sample ID: SB-09_0-2_20200124

Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5

Matrix: Solid
Percent Solids: 96.8

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Aldrin	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
alpha-BHC	0.00070	U	0.0021	0.00070	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
beta-BHC	0.00077	U	0.0021	0.00077	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Chlordane (n.o.s.)	0.017	U	0.069	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
cis-Chlordane	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
delta-BHC	0.00042	U	0.0021	0.00042	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Dieldrin	0.00090	U	0.0021	0.00090	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endosulfan I	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endosulfan II	0.0018	U	0.0069	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endosulfan sulfate	0.00087	U	0.0069	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endrin	0.00099	U	0.0069	0.00099	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endrin aldehyde	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Endrin ketone	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
gamma-BHC (Lindane)	0.00064	U	0.0021	0.00064	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Heptachlor	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Heptachlor epoxide	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Methoxychlor	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
Toxaphene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1
trans-Chlordane	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:39*	*1*
DCB Decachlorobiphenyl	*104*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:39*	*1*
Tetrachloro-m-xylene	*86*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:39*	*1*
Tetrachloro-m-xylene	*85*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:39*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 15:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*108*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:51*	*1*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*01/27/20 20:39*	*01/28/20 15:51*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2180**		19.9	6.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Antimony	0.29	U	0.99	0.29	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Arsenic	**1.1**		0.99	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Barium	**18.3**		2.0	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10

Client Sample ID: SB-09_0-2_20200124

Lab Sample ID: 460-201587-5
Date Collected: 01/24/20 12:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.8

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.16	U	0.40	0.16	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Cadmium	0.33	U	0.99	0.33	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Calcium	**22000**		99.3	29.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Chromium	**5.7**		2.0	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Cobalt	**3.0**		2.0	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Copper	**7.6**		2.0	0.57	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Iron	**10100**		59.6	20.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Lead	**4.2**		0.60	0.19	mg/Kg	☼	01/30/20 03:02	01/31/20 13:01	10
Magnesium	**14000**		99.3	27.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Manganese	**265**		4.0	1.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Nickel	**6.7**		2.0	0.65	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Potassium	**500**		99.3	35.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Selenium	0.29	U	5.0	0.29	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Silver	0.61	U	0.99	0.61	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Sodium	**96.5**	**J**	99.3	31.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Thallium	0.12	U	0.40	0.12	mg/Kg	☼	01/30/20 03:02	01/31/20 13:01	10
Vanadium	**10.2**		2.0	0.57	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10
Zinc	**19.3**		7.9	3.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:42	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0094	U	0.016	0.0094	mg/Kg	☼	01/30/20 04:02	01/30/20 08:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**3.2**		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	**96.8**		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-09_20-22_20200124

Lab Sample ID: 460-201587-6
Date Collected: 01/24/20 12:45
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 95.7

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00029	U	0.0013	0.00029	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,1,2,2-Tetrachloroethane	0.00027	U	0.0013	0.00027	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00038	U *	0.0013	0.00038	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,1,2-Trichloroethane	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,1-Dichloroethane	0.00026	U	0.0013	0.00026	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,1-Dichloroethene	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2,3-Trichlorobenzene	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2,4-Trichlorobenzene	0.00045	U	0.0013	0.00045	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2-Dibromo-3-Chloropropane	0.00058	U	0.0013	0.00058	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2-Dichlorobenzene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2-Dichloroethane	0.00037	U	0.0013	0.00037	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,2-Dichloropropane	0.00054	U	0.0013	0.00054	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,3-Dichlorobenzene	0.00020	U	0.0013	0.00020	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
1,4-Dichlorobenzene	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
2-Butanone (MEK)	0.0034	U	0.0063	0.0034	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
2-Hexanone	0.0022	U	0.0063	0.0022	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-09_20-22_20200124
Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6
Matrix: Solid
Percent Solids: 95.7

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0020	U	0.0063	0.0020	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Acetone	0.0072	U	0.0076	0.0072	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Benzene	0.00033	U	0.0013	0.00033	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Bromoform	0.00054	U	0.0013	0.00054	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Bromomethane	0.00060	U	0.0013	0.00060	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Carbon disulfide	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Carbon tetrachloride	0.00049	U	0.0013	0.00049	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chlorobenzene	0.00022	U	0.0013	0.00022	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chlorobromomethane	0.00036	U	0.0013	0.00036	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chlorodibromomethane	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chloroethane	0.00066	U	0.0013	0.00066	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chloroform	0.00040	U	0.0013	0.00040	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Chloromethane	0.00055	U	0.0013	0.00055	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
cis-1,2-Dichloroethene	0.00019	U	0.0013	0.00019	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
cis-1,3-Dichloropropene	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Cyclohexane	0.00028	U	0.0013	0.00028	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Dichlorobromomethane	0.00033	U	0.0013	0.00033	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Dichlorodifluoromethane	0.00043	U	0.0013	0.00043	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Ethylbenzene	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Ethylene Dibromide	0.00023	U	0.0013	0.00023	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Isopropylbenzene	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Methyl acetate	0.0054	U	0.0063	0.0054	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Methyl tert-butyl ether	0.00016	U	0.0013	0.00016	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Methylcyclohexane	0.00063	U *	0.0013	0.00063	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Methylene Chloride	0.00059	U	0.0013	0.00059	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
m-Xylene & p-Xylene	0.00022	U	0.0013	0.00022	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
o-Xylene	0.00025	U	0.0013	0.00025	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Styrene	0.00035	U	0.0013	0.00035	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Tetrachloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Toluene	0.00030	U	0.0013	0.00030	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
trans-1,2-Dichloroethene	0.00031	U	0.0013	0.00031	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
trans-1,3-Dichloropropene	0.00034	U	0.0013	0.00034	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Trichloroethene	0.00018	U	0.0013	0.00018	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Trichlorofluoromethane	0.00051	U	0.0013	0.00051	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1
Vinyl chloride	0.00069	U	0.0013	0.00069	mg/Kg	☼	01/25/20 18:25	01/29/20 03:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*78 - 135*	*01/25/20 18:25*	*01/29/20 03:07*	*1*
4-Bromofluorobenzene	*110*		*67 - 126*	*01/25/20 18:25*	*01/29/20 03:07*	*1*
Dibromofluoromethane (Surr)	*101*		*61 - 149*	*01/25/20 18:25*	*01/29/20 03:07*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*	*01/25/20 18:25*	*01/29/20 03:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
1,4-Dioxane	0.0095	U	0.10	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,2'-oxybis[1-chloropropane]	0.0063	U	0.34	0.0063	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-09_20-22_20200124
Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6
Matrix: Solid
Percent Solids: 95.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,4-Dinitrophenol	0.17	U *	0.28	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,4-Dinitrotoluene	0.037	U	0.070	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2,6-Dinitrotoluene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Methylnaphthalene	0.0097	U	0.34	0.0097	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
2-Nitrophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
3-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4,6-Dinitro-2-methylphenol	0.056	U	0.28	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Methylphenol	0.022	U	0.34	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Nitroaniline	0.040	U	0.34	0.040	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
4-Nitrophenol	0.056	U	0.70	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Acenaphthylene	0.0036	U	0.34	0.0036	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Anthracene	0.011	U	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Atrazine	0.0087	U	0.14	0.0087	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzo[a]pyrene	0.0092	U	0.034	0.0092	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzo[b]fluoranthene	0.0089	U	0.034	0.0089	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Benzo[k]fluoranthene	0.0068	U	0.034	0.0068	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Caprolactam	0.054	U	0.34	0.054	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Chrysene	0.0058	U	0.34	0.0058	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Dibenzofuran	0.0049	U	0.34	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Diethyl phthalate	0.0050	U	0.34	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Di-n-butyl phthalate	0.061	U	0.34	0.061	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Fluorene	0.0047	U	0.34	0.0047	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1

Client Sample ID: SB-09_20-22_20200124

Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6

Matrix: Solid
Percent Solids: 95.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0074	U *	0.070	0.0074	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Isophorone	0.10	U	0.14	0.10	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Naphthalene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Nitrobenzene	0.0083	U	0.034	0.0083	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
N-Nitrosodiphenylamine	0.0066	U	0.34	0.0066	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Pentachlorophenol	0.071	U	0.28	0.071	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Phenanthrene	0.0061	U	0.34	0.0061	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1
Pyrene	0.0086	U	0.34	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 12:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*106*		*10 - 137*	*01/27/20 19:37*	*01/28/20 12:23*	*1*
2-Fluorobiphenyl	*98*		*29 - 107*	*01/27/20 19:37*	*01/28/20 12:23*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 115*	*01/27/20 19:37*	*01/28/20 12:23*	*1*
Nitrobenzene-d5 (Surr)	*82*		*25 - 113*	*01/27/20 19:37*	*01/28/20 12:23*	*1*
Phenol-d5 (Surr)	*82*		*28 - 109*	*01/27/20 19:37*	*01/28/20 12:23*	*1*
Terphenyl-d14 (Surr)	*103*		*27 - 123*	*01/27/20 19:37*	*01/28/20 12:23*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
4,4'-DDE	0.00083	U	0.0070	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
4,4'-DDT	0.0013	U	0.0070	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Aldrin	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
alpha-BHC	0.00071	U	0.0021	0.00071	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
beta-BHC	0.00078	U	0.0021	0.00078	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Chlordane (n.o.s.)	0.017	U	0.070	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
cis-Chlordane	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
delta-BHC	0.00043	U	0.0021	0.00043	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Dieldrin	0.00091	U	0.0021	0.00091	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endosulfan I	0.0011	U	0.0070	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endosulfan II	0.0018	U	0.0070	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endosulfan sulfate	0.00088	U	0.0070	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endrin	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endrin aldehyde	0.0017	U	0.0070	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Endrin ketone	0.0014	U	0.0070	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
gamma-BHC (Lindane)	0.00065	U	0.0021	0.00065	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Heptachlor	0.00083	U	0.0070	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Heptachlor epoxide	0.0010	U	0.0070	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Methoxychlor	0.0016	U	0.0070	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
Toxaphene	0.025	U	0.070	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1
trans-Chlordane	0.0012	U	0.0070	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*92*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:55*	*1*
DCB Decachlorobiphenyl	*109*		*49 - 150*	*01/27/20 20:31*	*01/28/20 14:55*	*1*

Client Sample ID: SB-09_20-22_20200124

Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6

Matrix: Solid
Percent Solids: 95.7

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*93*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:55*	*1*
Tetrachloro-m-xylene	*92*		*47 - 150*	*01/27/20 20:31*	*01/28/20 14:55*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1221	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1232	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1242	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1248	0.0093	U	0.070	0.0093	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1254	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1260	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor-1262	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Aroclor 1268	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1
Polychlorinated biphenyls, Total	0.0096	U	0.070	0.0096	mg/Kg	☼	01/27/20 20:39	01/28/20 16:08	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*117*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:08*	*1*
DCB Decachlorobiphenyl	*109*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:08*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**4230**		19.2	6.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Antimony	0.28	U	0.96	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Arsenic	**2.2**		0.96	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Barium	**35.7**		1.9	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Beryllium	**0.19**	**J**	0.38	0.15	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Cadmium	0.32	U	0.96	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Calcium	**1250**		95.9	28.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Chromium	**10.2**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Cobalt	**5.8**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Copper	**12.5**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Iron	**19900**		57.5	20.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Lead	**5.6**		0.58	0.18	mg/Kg	☼	01/30/20 03:02	01/31/20 13:03	10
Magnesium	**2620**		95.9	26.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Manganese	**551**		3.8	1.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Nickel	**12.4**		1.9	0.62	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Potassium	**1140**		95.9	34.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Selenium	0.28	U	4.8	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Silver	0.59	U	0.96	0.59	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Sodium	**92.4**	**J**	95.9	30.0	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Thallium	0.12	U	0.38	0.12	mg/Kg	☼	01/30/20 03:02	01/31/20 13:03	10
Vanadium	**22.5**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10
Zinc	**48.2**		7.7	3.7	mg/Kg	☼	01/30/20 03:02	01/30/20 16:45	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0098	U	0.017	0.0098	mg/Kg	☼	01/30/20 04:02	01/30/20 08:29	1

Client Sample ID: SB-09_20-22_20200124

Lab Sample ID: 460-201587-6

Date Collected: 01/24/20 12:45
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 95.7

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	4.3		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	95.7		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-10_0-2_20200124

Lab Sample ID: 460-201587-7

Date Collected: 01/24/20 14:15
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 81.5

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00037	U *	0.0012	0.00037	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,1,2-Trichloroethane	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2-Dibromo-3-Chloropropane	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
2-Butanone (MEK)	0.0033	U	0.0061	0.0033	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
2-Hexanone	0.0021	U	0.0061	0.0021	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0061	0.0019	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Acetone	0.0069	U	0.0073	0.0069	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Bromoform	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Bromomethane	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chlorodibromomethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chloroform	0.00039	U	0.0012	0.00039	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Chloromethane	0.00053	U	0.0012	0.00053	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Methyl acetate	0.0052	U	0.0061	0.0052	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Methylcyclohexane	0.00061	U *	0.0012	0.00061	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1

Client Sample ID: SB-10_0-2_20200124

Date Collected: 01/24/20 14:15
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-7

Matrix: Solid
Percent Solids: 81.5

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
o-Xylene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Styrene	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	01/25/20 18:26	01/29/20 03:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*78 - 135*	*01/25/20 18:26*	*01/29/20 03:32*	*1*
4-Bromofluorobenzene	*112*		*67 - 126*	*01/25/20 18:26*	*01/29/20 03:32*	*1*
Dibromofluoromethane (Surr)	*99*		*61 - 149*	*01/25/20 18:26*	*01/29/20 03:32*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*	*01/25/20 18:26*	*01/29/20 03:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0054	U	0.40	0.0054	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
1,2,4,5-Tetrachlorobenzene	0.013	U *	0.40	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
1,4-Dioxane	0.011	U	0.12	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,2'-oxybis[1-chloropropane]	0.0073	U	0.40	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,3,4,6-Tetrachlorophenol	0.027	U	0.40	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4,5-Trichlorophenol	0.041	U *	0.40	0.041	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4,6-Trichlorophenol	0.052	U *	0.16	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4-Dichlorophenol	0.026	U *	0.16	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4-Dimethylphenol	0.018	U	0.40	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4-Dinitrophenol	0.20	U *	0.33	0.20	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,4-Dinitrotoluene	0.044	U	0.082	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2,6-Dinitrotoluene	0.029	U	0.082	0.029	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Chloronaphthalene	0.019	U	0.40	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Chlorophenol	0.014	U	0.40	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Methylnaphthalene	0.011	U	0.40	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Methylphenol	0.015	U	0.40	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Nitroaniline	0.015	U	0.40	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
2-Nitrophenol	0.041	U *	0.40	0.041	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
3,3'-Dichlorobenzidine	0.061	U	0.16	0.061	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
3-Nitroaniline	0.046	U	0.40	0.046	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4,6-Dinitro-2-methylphenol	0.066	U	0.33	0.066	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Bromophenyl phenyl ether	0.016	U	0.40	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Chloro-3-methylphenol	0.023	U	0.40	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Chloroaniline	0.028	U	0.40	0.028	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Chlorophenyl phenyl ether	0.014	U	0.40	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Methylphenol	0.025	U	0.40	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Nitroaniline	0.047	U	0.40	0.047	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
4-Nitrophenol	0.066	U	0.82	0.066	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Acenaphthene	0.030	U	0.40	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Acenaphthylene	0.0042	U	0.40	0.0042	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Acetophenone	0.020	U	0.40	0.020	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1

Client Sample ID: SB-10_0-2_20200124

Date Collected: 01/24/20 14:15
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-7

Matrix: Solid
Percent Solids: 81.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.012	U	0.40	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Atrazine	0.010	U	0.16	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzaldehyde	0.018	U	0.40	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzo[a]anthracene	0.014	U	0.040	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzo[a]pyrene	0.011	U	0.040	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzo[b]fluoranthene	0.010	U	0.040	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzo[g,h,i]perylene	0.012	U	0.40	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Benzo[k]fluoranthene	0.0080	U	0.040	0.0080	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Bis(2-chloroethoxy)methane	0.032	U	0.40	0.032	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Bis(2-chloroethyl)ether	0.014	U	0.040	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Bis(2-ethylhexyl) phthalate	0.021	U	0.40	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Butyl benzyl phthalate	0.019	U	0.40	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Caprolactam	0.063	U	0.40	0.063	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Carbazole	0.015	U	0.40	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Chrysene	0.0069	U	0.40	0.0069	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Dibenz(a,h)anthracene	0.018	U	0.040	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Dibenzofuran	0.0057	U	0.40	0.0057	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Diethyl phthalate	0.0059	U	0.40	0.0059	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Dimethyl phthalate	0.092	U	0.40	0.092	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Di-n-butyl phthalate	0.072	U	0.40	0.072	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Di-n-octyl phthalate	0.021	U	0.40	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Fluoranthene	0.014	U	0.40	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Fluorene	0.0055	U	0.40	0.0055	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Hexachlorobenzene	0.019	U	0.040	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Hexachlorobutadiene	0.0086	U *	0.082	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Hexachlorocyclopentadiene	0.036	U	0.40	0.036	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Hexachloroethane	0.014	U	0.040	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Indeno[1,2,3-cd]pyrene	0.016	U	0.040	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Isophorone	0.12	U	0.16	0.12	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Naphthalene	0.0070	U	0.40	0.0070	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Nitrobenzene	0.0097	U	0.040	0.0097	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
N-Nitrosodi-n-propylamine	0.029	U	0.040	0.029	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
N-Nitrosodiphenylamine	0.0078	U	0.40	0.0078	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Pentachlorophenol	0.083	U	0.33	0.083	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Phenanthrene	0.0071	U	0.40	0.0071	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Phenol	0.015	U	0.40	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1
Pyrene	0.010	U	0.40	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 137*	*01/27/20 19:37*	*01/28/20 12:47*	*1*
2-Fluorobiphenyl	*72*		*29 - 107*	*01/27/20 19:37*	*01/28/20 12:47*	*1*
2-Fluorophenol (Surr)	*71*		*20 - 115*	*01/27/20 19:37*	*01/28/20 12:47*	*1*
Nitrobenzene-d5 (Surr)	*62*		*25 - 113*	*01/27/20 19:37*	*01/28/20 12:47*	*1*
Phenol-d5 (Surr)	*71*		*28 - 109*	*01/27/20 19:37*	*01/28/20 12:47*	*1*
Terphenyl-d14 (Surr)	*67*		*27 - 123*	*01/27/20 19:37*	*01/28/20 12:47*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0014	U	0.0082	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
4,4'-DDE	0.00097	U	0.0082	0.00097	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1

Client Sample ID: SB-10_0-2_20200124

Date Collected: 01/24/20 14:15
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-7

Matrix: Solid
Percent Solids: 81.5

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0015	U	0.0082	0.0015	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Aldrin	0.0012	U	0.0082	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
alpha-BHC	0.00083	U	0.0025	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
beta-BHC	0.00092	U	0.0025	0.00092	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Chlordane (n.o.s.)	0.020	U	0.082	0.020	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
cis-Chlordane	0.0013	U	0.0082	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
delta-BHC	0.00050	U	0.0025	0.00050	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Dieldrin	0.0011	U	0.0025	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endosulfan I	0.0013	U	0.0082	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endosulfan II	0.0021	U	0.0082	0.0021	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endosulfan sulfate	0.0010	U	0.0082	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endrin	0.0012	U	0.0082	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endrin aldehyde	0.0019	U	0.0082	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Endrin ketone	0.0016	U	0.0082	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
gamma-BHC (Lindane)	0.00076	U	0.0025	0.00076	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Heptachlor	0.00097	U	0.0082	0.00097	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Heptachlor epoxide	0.0012	U	0.0082	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Methoxychlor	0.0019	U	0.0082	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
Toxaphene	0.030	U	0.082	0.030	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1
trans-Chlordane	0.0014	U	0.0082	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:11*	*1*
DCB Decachlorobiphenyl	*87*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:11*	*1*
Tetrachloro-m-xylene	*81*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:11*	*1*
Tetrachloro-m-xylene	*82*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:11*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1221	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1232	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1242	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1248	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1254	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1260	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor-1262	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Aroclor 1268	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1
Polychlorinated biphenyls, Total	0.011	U	0.082	0.011	mg/Kg	☼	01/27/20 20:39	01/28/20 16:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*105*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:25*	*1*
DCB Decachlorobiphenyl	*102*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:25*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5390**		23.2	7.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Antimony	0.34	U	1.2	0.34	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Arsenic	**3.7**		1.2	0.37	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Barium	**56.2**		2.3	0.77	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10

Client Sample ID: SB-10_0-2_20200124

Lab Sample ID: 460-201587-7
Date Collected: 01/24/20 14:15
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 81.5

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.19	U	0.46	0.19	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Cadmium	0.39	U	1.2	0.39	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Calcium	**13900**		116	34.4	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Chromium	**14.7**		2.3	0.69	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Cobalt	**6.3**		2.3	0.70	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Copper	**15.1**		2.3	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Iron	**17800**		69.5	24.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Lead	**15.8**		0.69	0.22	mg/Kg	☼	01/30/20 03:02	01/31/20 13:11	10
Magnesium	**5870**		116	32.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Manganese	**1380**		4.6	1.4	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Nickel	**15.8**		2.3	0.75	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Potassium	**779**		116	41.7	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Selenium	0.34	U	5.8	0.34	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Silver	0.72	U	1.2	0.72	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Sodium	**90.9**	**J**	116	36.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Thallium	0.14	U	0.46	0.14	mg/Kg	☼	01/30/20 03:02	01/31/20 13:11	10
Vanadium	**33.4**		2.3	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10
Zinc	**27.2**		9.3	4.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:47	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.044**		0.019	0.011	mg/Kg	☼	01/30/20 04:02	01/30/20 08:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**18.5**		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	**81.5**		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-10_19-21_20200124

Lab Sample ID: 460-201587-8
Date Collected: 01/24/20 14:20
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00099	U	0.0042	0.00099	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,1,2,2-Tetrachloroethane	0.00091	U	0.0042	0.00091	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0013	U *	0.0042	0.0013	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,1,2-Trichloroethane	0.00076	U	0.0042	0.00076	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,1-Dichloroethane	0.00087	U	0.0042	0.00087	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,1-Dichloroethene	0.00095	U	0.0042	0.00095	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2,3-Trichlorobenzene	0.00077	U	0.0042	0.00077	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2,4-Trichlorobenzene	0.0015	U	0.0042	0.0015	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2-Dibromo-3-Chloropropane	0.0020	U	0.0042	0.0020	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2-Dichlorobenzene	0.00061	U	0.0042	0.00061	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2-Dichloroethane	0.0013	U	0.0042	0.0013	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,2-Dichloropropane	0.0018	U	0.0042	0.0018	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,3-Dichlorobenzene	0.00067	U	0.0042	0.00067	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
1,4-Dichlorobenzene	0.00095	U	0.0042	0.00095	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
2-Butanone (MEK)	0.011	U	0.021	0.011	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
2-Hexanone	0.0073	U	0.021	0.0073	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-10_19-21_20200124
Date Collected: 01/24/20 14:20
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-8
Matrix: Solid
Percent Solids: 96.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0066	U	0.021	0.0066	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Acetone	0.024	U	0.025	0.024	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Benzene	0.0011	U	0.0042	0.0011	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Bromoform	0.0018	U	0.0042	0.0018	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Bromomethane	0.0020	U	0.0042	0.0020	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Carbon disulfide	0.0011	U	0.0042	0.0011	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Carbon tetrachloride	0.0016	U	0.0042	0.0016	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chlorobenzene	0.00075	U	0.0042	0.00075	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chlorobromomethane	0.0012	U	0.0042	0.0012	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chlorodibromomethane	0.00082	U	0.0042	0.00082	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chloroethane	0.0022	U	0.0042	0.0022	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chloroform	0.0014	U	0.0042	0.0014	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Chloromethane	0.0018	U	0.0042	0.0018	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
cis-1,2-Dichloroethene	0.00064	U	0.0042	0.00064	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
cis-1,3-Dichloropropene	0.0012	U	0.0042	0.0012	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Cyclohexane	0.00094	U	0.0042	0.00094	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Dichlorobromomethane	0.0011	U	0.0042	0.0011	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Dichlorodifluoromethane	0.0014	U	0.0042	0.0014	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Ethylbenzene	0.00084	U	0.0042	0.00084	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Ethylene Dibromide	0.00076	U	0.0042	0.00076	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Isopropylbenzene	0.00053	U	0.0042	0.00053	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Methyl acetate	0.018	U	0.021	0.018	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Methyl tert-butyl ether	0.00053	U	0.0042	0.00053	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Methylcyclohexane	0.0021	U *	0.0042	0.0021	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Methylene Chloride	0.0020	U	0.0042	0.0020	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
m-Xylene & p-Xylene	0.00074	U	0.0042	0.00074	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
o-Xylene	0.00082	U	0.0042	0.00082	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Styrene	0.0012	U	0.0042	0.0012	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Tetrachloroethene	0.00061	U	0.0042	0.00061	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Toluene	0.00099	U	0.0042	0.00099	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
trans-1,2-Dichloroethene	0.0010	U	0.0042	0.0010	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
trans-1,3-Dichloropropene	0.0011	U	0.0042	0.0011	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Trichloroethene	0.00061	U	0.0042	0.00061	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Trichlorofluoromethane	0.0017	U	0.0042	0.0017	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1
Vinyl chloride	0.0023	U	0.0042	0.0023	mg/Kg	☼	01/25/20 18:26	01/29/20 03:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*78 - 135*	*01/25/20 18:26*	*01/29/20 03:57*	*1*
4-Bromofluorobenzene	*112*		*67 - 126*	*01/25/20 18:26*	*01/29/20 03:57*	*1*
Dibromofluoromethane (Surr)	*100*		*61 - 149*	*01/25/20 18:26*	*01/29/20 03:57*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*	*01/25/20 18:26*	*01/29/20 03:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0045	U	0.34	0.0045	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
1,4-Dioxane	0.0094	U	0.10	0.0094	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,2'-oxybis[1-chloropropane]	0.0062	U	0.34	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-10_19-21_20200124
Date Collected: 01/24/20 14:20
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-8
Matrix: Solid
Percent Solids: 96.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,4-Dinitrophenol	0.17	U *	0.28	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,4-Dinitrotoluene	0.037	U	0.069	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2,6-Dinitrotoluene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Methylnaphthalene	0.0096	U	0.34	0.0096	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
2-Nitrophenol	0.034	U *	0.34	0.034	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
3,3'-Dichlorobenzidine	0.052	U	0.14	0.052	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
3-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4,6-Dinitro-2-methylphenol	0.056	U	0.28	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Bromophenyl phenyl ether	0.014	U	0.34	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Methylphenol	0.021	U	0.34	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
4-Nitrophenol	0.056	U	0.69	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Acenaphthylene	0.0035	U	0.34	0.0035	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Anthracene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Atrazine	0.0086	U	0.14	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzo[a]pyrene	0.0091	U	0.034	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzo[b]fluoranthene	0.0089	U	0.034	0.0089	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Benzo[k]fluoranthene	0.0067	U	0.034	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Bis(2-chloroethoxy)methane	0.027	U	0.34	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Caprolactam	0.053	U	0.34	0.053	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Chrysene	0.0058	U	0.34	0.0058	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Dibenzofuran	0.0048	U	0.34	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Diethyl phthalate	0.0050	U	0.34	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Dimethyl phthalate	0.078	U	0.34	0.078	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Di-n-butyl phthalate	0.060	U	0.34	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Fluorene	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1

Client Sample ID: SB-10_19-21_20200124

Date Collected: 01/24/20 14:20
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-8

Matrix: Solid
Percent Solids: 96.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0073	U *	0.069	0.0073	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Isophorone	0.099	U	0.14	0.099	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Naphthalene	0.0059	U	0.34	0.0059	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Nitrobenzene	0.0082	U	0.034	0.0082	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
N-Nitrosodiphenylamine	0.0065	U	0.34	0.0065	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Pentachlorophenol	0.070	U	0.28	0.070	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Phenanthrene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Phenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1
Pyrene	0.0085	U	0.34	0.0085	mg/Kg	☼	01/27/20 19:37	01/28/20 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*10 - 137*	*01/27/20 19:37*	*01/28/20 13:09*	*1*
2-Fluorobiphenyl	*100*		*29 - 107*	*01/27/20 19:37*	*01/28/20 13:09*	*1*
2-Fluorophenol (Surr)	*86*		*20 - 115*	*01/27/20 19:37*	*01/28/20 13:09*	*1*
Nitrobenzene-d5 (Surr)	*83*		*25 - 113*	*01/27/20 19:37*	*01/28/20 13:09*	*1*
Phenol-d5 (Surr)	*84*		*28 - 109*	*01/27/20 19:37*	*01/28/20 13:09*	*1*
Terphenyl-d14 (Surr)	*106*		*27 - 123*	*01/27/20 19:37*	*01/28/20 13:09*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
4,4'-DDE	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
4,4'-DDT	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Aldrin	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
alpha-BHC	0.00070	U	0.0021	0.00070	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
beta-BHC	0.00078	U	0.0021	0.00078	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Chlordane (n.o.s.)	0.017	U	0.069	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
cis-Chlordane	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
delta-BHC	0.00042	U	0.0021	0.00042	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Dieldrin	0.00090	U	0.0021	0.00090	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endosulfan I	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endosulfan II	0.0018	U	0.0069	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endosulfan sulfate	0.00087	U	0.0069	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endrin	0.00099	U	0.0069	0.00099	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endrin aldehyde	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Endrin ketone	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
gamma-BHC (Lindane)	0.00064	U	0.0021	0.00064	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Heptachlor	0.00082	U	0.0069	0.00082	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Heptachlor epoxide	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Methoxychlor	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
Toxaphene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1
trans-Chlordane	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:27*	*1*
DCB Decachlorobiphenyl	*96*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:27*	*1*

Client Sample ID: SB-10_19-21_20200124

Date Collected: 01/24/20 14:20
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-8

Matrix: Solid
Percent Solids: 96.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*86*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:27*	*1*
Tetrachloro-m-xylene	*87*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:27*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1221	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1232	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1242	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1248	0.0092	U	0.069	0.0092	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1254	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1260	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor-1262	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Aroclor 1268	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1
Polychlorinated biphenyls, Total	0.0095	U	0.069	0.0095	mg/Kg	☼	01/27/20 20:39	01/28/20 16:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*109*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:42*	*1*
DCB Decachlorobiphenyl	*103*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:42*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**2600**		19.3	6.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Antimony	0.28	U	0.97	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Arsenic	**1.9**		0.97	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Barium	**28.7**		1.9	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Beryllium	0.16	U	0.39	0.16	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Cadmium	0.33	U	0.97	0.33	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Calcium	**4690**		96.7	28.7	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Chromium	**9.5**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Cobalt	**5.1**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Copper	**13.1**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Iron	**14900**		58.0	20.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Lead	**7.8**		0.58	0.18	mg/Kg	☼	01/30/20 03:02	01/31/20 13:18	10
Magnesium	**4650**		96.7	26.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Manganese	**345**		3.9	1.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Nickel	**32.0**		1.9	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Potassium	**699**		96.7	34.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Selenium	0.28	U	4.8	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Silver	0.60	U	0.97	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Sodium	**89.8**	**J**	96.7	30.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Thallium	0.12	U	0.39	0.12	mg/Kg	☼	01/30/20 03:02	01/31/20 13:18	10
Vanadium	**14.3**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10
Zinc	**27.1**		7.7	3.8	mg/Kg	☼	01/30/20 03:02	01/30/20 16:50	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg	☼	01/30/20 04:02	01/30/20 08:33	1

Client Sample ID: SB-10_19-21_20200124
Lab Sample ID: 460-201587-8

Date Collected: 01/24/20 14:20
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.6

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	3.4		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	96.6		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-11_0-2_20200124
Lab Sample ID: 460-201587-9

Date Collected: 01/24/20 11:50
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00038	U	0.0016	0.00038	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,1,2,2-Tetrachloroethane	0.00035	U	0.0016	0.00035	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00049	U *	0.0016	0.00049	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,1,2-Trichloroethane	0.00029	U	0.0016	0.00029	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,1-Dichloroethane	0.00034	U	0.0016	0.00034	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,1-Dichloroethene	0.00037	U	0.0016	0.00037	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2,3-Trichlorobenzene	0.00030	U	0.0016	0.00030	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2,4-Trichlorobenzene	0.00059	U	0.0016	0.00059	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2-Dibromo-3-Chloropropane	0.00075	U	0.0016	0.00075	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2-Dichlorobenzene	0.00024	U	0.0016	0.00024	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2-Dichloroethane	0.00048	U	0.0016	0.00048	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,2-Dichloropropane	0.00069	U	0.0016	0.00069	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,3-Dichlorobenzene	0.00026	U	0.0016	0.00026	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
1,4-Dichlorobenzene	0.00037	U	0.0016	0.00037	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
2-Butanone (MEK)	0.0044	U	0.0082	0.0044	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
2-Hexanone	0.0028	U	0.0082	0.0028	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
4-Methyl-2-pentanone (MIBK)	0.0025	U	0.0082	0.0025	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Acetone	0.0094	U	0.0098	0.0094	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Benzene	0.00042	U	0.0016	0.00042	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Bromoform	0.00070	U	0.0016	0.00070	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Bromomethane	0.00078	U	0.0016	0.00078	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Carbon disulfide	0.00044	U	0.0016	0.00044	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Carbon tetrachloride	0.00063	U	0.0016	0.00063	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chlorobenzene	0.00029	U	0.0016	0.00029	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chlorobromomethane	0.00046	U	0.0016	0.00046	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chlorodibromomethane	0.00032	U	0.0016	0.00032	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chloroethane	0.00085	U	0.0016	0.00085	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chloroform	0.00052	U	0.0016	0.00052	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Chloromethane	0.00071	U	0.0016	0.00071	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
cis-1,2-Dichloroethene	0.00025	U	0.0016	0.00025	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
cis-1,3-Dichloropropene	0.00045	U	0.0016	0.00045	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Cyclohexane	0.00036	U	0.0016	0.00036	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Dichlorobromomethane	0.00042	U	0.0016	0.00042	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Dichlorodifluoromethane	0.00055	U	0.0016	0.00055	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Ethylbenzene	0.00033	U	0.0016	0.00033	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Ethylene Dibromide	0.00029	U	0.0016	0.00029	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Isopropylbenzene	0.00021	U	0.0016	0.00021	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Methyl acetate	0.0070	U	0.0082	0.0070	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Methyl tert-butyl ether	0.00020	U	0.0016	0.00020	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Methylcyclohexane	0.00082	U *	0.0016	0.00082	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Methylene Chloride	0.00076	U	0.0016	0.00076	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1

Client Sample ID: SB-11_0-2_20200124

Date Collected: 01/24/20 11:50
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-9

Matrix: Solid
Percent Solids: 90.6

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00028	U	0.0016	0.00028	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
o-Xylene	0.00032	U	0.0016	0.00032	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Styrene	0.00046	U	0.0016	0.00046	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Tetrachloroethene	0.00023	U	0.0016	0.00023	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Toluene	0.00038	U	0.0016	0.00038	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
trans-1,2-Dichloroethene	0.00040	U	0.0016	0.00040	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
trans-1,3-Dichloropropene	0.00044	U	0.0016	0.00044	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Trichloroethene	0.00024	U	0.0016	0.00024	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Trichlorofluoromethane	0.00066	U	0.0016	0.00066	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1
Vinyl chloride	0.00089	U	0.0016	0.00089	mg/Kg	☼	01/25/20 18:27	01/29/20 04:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*88*		*78 - 135*	*01/25/20 18:27*	*01/29/20 04:21*	*1*
4-Bromofluorobenzene	*117*		*67 - 126*	*01/25/20 18:27*	*01/29/20 04:21*	*1*
Dibromofluoromethane (Surr)	*100*		*61 - 149*	*01/25/20 18:27*	*01/29/20 04:21*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*	*01/25/20 18:27*	*01/29/20 04:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0048	U	0.36	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,2'-oxybis[1-chloropropane]	0.0066	U	0.36	0.0066	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.36	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4,5-Trichlorophenol	0.037	U *	0.36	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4,6-Trichlorophenol	0.047	U *	0.15	0.047	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4-Dichlorophenol	0.023	U *	0.15	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4-Dimethylphenol	0.016	U	0.36	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4-Dinitrophenol	0.18	U *	0.29	0.18	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,4-Dinitrotoluene	0.039	U	0.074	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2,6-Dinitrotoluene	0.026	U	0.074	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Chloronaphthalene	0.017	U	0.36	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Chlorophenol	0.013	U	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Methylnaphthalene	**0.050**	**J**	0.36	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Methylphenol	0.014	U	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Nitroaniline	0.014	U	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
2-Nitrophenol	0.037	U *	0.36	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
3,3'-Dichlorobenzidine	0.055	U	0.15	0.055	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
3-Nitroaniline	0.041	U	0.36	0.041	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4,6-Dinitro-2-methylphenol	0.059	U	0.29	0.059	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Bromophenyl phenyl ether	0.014	U	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Chloro-3-methylphenol	0.020	U	0.36	0.020	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Chloroaniline	0.026	U	0.36	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Chlorophenyl phenyl ether	0.013	U	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Methylphenol	0.023	U	0.36	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Nitroaniline	0.042	U	0.36	0.042	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
4-Nitrophenol	0.059	U	0.74	0.059	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Acenaphthene	**0.17**	**J**	0.36	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Acenaphthylene	**0.076**	**J**	0.36	0.0038	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Acetophenone	0.018	U	0.36	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1

Client Sample ID: SB-11_0-2_20200124
Date Collected: 01/24/20 11:50
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-9
Matrix: Solid
Percent Solids: 90.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	**0.44**		0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Atrazine	0.0092	U	0.15	0.0092	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzaldehyde	**0.024**	**J**	0.36	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzo[a]anthracene	**1.7**		0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzo[a]pyrene	**1.4**		0.036	0.0097	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzo[b]fluoranthene	**2.1**		0.036	0.0094	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzo[g,h,i]perylene	**0.60**		0.36	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Benzo[k]fluoranthene	**0.83**		0.036	0.0072	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Bis(2-chloroethoxy)methane	0.028	U	0.36	0.028	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Bis(2-chloroethyl)ether	0.013	U	0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Bis(2-ethylhexyl) phthalate	**0.30**	**J**	0.36	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Butyl benzyl phthalate	**0.041**	**J**	0.36	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Caprolactam	0.057	U	0.36	0.057	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Carbazole	**0.32**	**J**	0.36	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Chrysene	**1.7**		0.36	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Dibenz(a,h)anthracene	**0.20**		0.036	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Dibenzofuran	**0.12**	**J**	0.36	0.0051	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Diethyl phthalate	0.0053	U	0.36	0.0053	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Dimethyl phthalate	0.083	U	0.36	0.083	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Di-n-butyl phthalate	0.064	U	0.36	0.064	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Di-n-octyl phthalate	0.019	U	0.36	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Fluoranthene	**3.3**		0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Fluorene	**0.19**	**J**	0.36	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Hexachlorobenzene	0.017	U	0.036	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Hexachlorobutadiene	0.0078	U *	0.074	0.0078	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Hexachlorocyclopentadiene	0.032	U	0.36	0.032	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Hexachloroethane	0.013	U	0.036	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Indeno[1,2,3-cd]pyrene	**0.67**		0.036	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Naphthalene	**0.089**	**J**	0.36	0.0063	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Nitrobenzene	0.0088	U	0.036	0.0088	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
N-Nitrosodi-n-propylamine	0.027	U	0.036	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
N-Nitrosodiphenylamine	0.0070	U	0.36	0.0070	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Pentachlorophenol	0.075	U	0.29	0.075	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Phenanthrene	**2.4**		0.36	0.0064	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Phenol	0.013	U	0.36	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1
Pyrene	**2.7**		0.36	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 13:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*10 - 137*	*01/27/20 19:37*	*01/28/20 13:33*	*1*
2-Fluorobiphenyl	*69*		*29 - 107*	*01/27/20 19:37*	*01/28/20 13:33*	*1*
2-Fluorophenol (Surr)	*59*		*20 - 115*	*01/27/20 19:37*	*01/28/20 13:33*	*1*
Nitrobenzene-d5 (Surr)	*54*		*25 - 113*	*01/27/20 19:37*	*01/28/20 13:33*	*1*
Phenol-d5 (Surr)	*60*		*28 - 109*	*01/27/20 19:37*	*01/28/20 13:33*	*1*
Terphenyl-d14 (Surr)	*78*		*27 - 123*	*01/27/20 19:37*	*01/28/20 13:33*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	**0.020**		0.0074	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
4,4'-DDE	**0.018**		0.0074	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-11_0-2_20200124
Date Collected: 01/24/20 11:50
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-9
Matrix: Solid
Percent Solids: 90.6

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	**0.033**		0.0074	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Aldrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
alpha-BHC	0.00075	U	0.0022	0.00075	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
beta-BHC	0.00083	U	0.0022	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Chlordane (n.o.s.)	0.018	U	0.074	0.018	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
cis-Chlordane	**0.0066**	**J p**	0.0074	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
delta-BHC	0.00045	U	0.0022	0.00045	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Dieldrin	0.00096	U	0.0022	0.00096	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endosulfan I	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endosulfan II	0.0019	U	0.0074	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endosulfan sulfate	0.00093	U	0.0074	0.00093	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endrin	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endrin aldehyde	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Endrin ketone	0.0014	U	0.0074	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
gamma-BHC (Lindane)	0.00068	U	0.0022	0.00068	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Heptachlor	0.00087	U	0.0074	0.00087	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Heptachlor epoxide	0.0011	U	0.0074	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Methoxychlor	0.0017	U	0.0074	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
Toxaphene	0.027	U	0.074	0.027	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1
trans-Chlordane	**0.0051**	**J p**	0.0074	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:42*	*1*
DCB Decachlorobiphenyl	*98*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:42*	*1*
Tetrachloro-m-xylene	*86*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:42*	*1*
Tetrachloro-m-xylene	*87*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:42*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1221	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1232	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1242	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1248	0.0098	U	0.074	0.0098	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1254	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1260	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor-1262	**0.14**		0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Aroclor 1268	0.010	U	0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1
Polychlorinated biphenyls, Total	**0.14**		0.074	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 16:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*115*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:59*	*1*
DCB Decachlorobiphenyl	*103*		*53 - 150*	*01/27/20 20:39*	*01/28/20 16:59*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**6880**		20.8	7.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Antimony	0.31	U	1.0	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Arsenic	**11.0**		1.0	0.33	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Barium	**629**		2.1	0.69	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10

Client Sample ID: SB-11_0-2_20200124

Lab Sample ID: 460-201587-9
Date Collected: 01/24/20 11:50
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.6

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.17	U	0.42	0.17	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Cadmium	**1.3**		1.0	0.35	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Calcium	**25800**		104	30.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Chromium	**22.5**		2.1	0.62	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Cobalt	**5.5**		2.1	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Copper	**118**		2.1	0.60	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Iron	**17600**		62.5	21.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Lead	**667**		0.62	0.20	mg/Kg	☼	01/30/20 03:02	01/31/20 13:21	10
Magnesium	**3560**		104	29.0	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Manganese	**229**		4.2	1.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Nickel	**19.6**		2.1	0.68	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Potassium	**909**		104	37.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Selenium	**1.1**	**J**	5.2	0.30	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Silver	0.64	U	1.0	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Sodium	**1040**		104	32.6	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Thallium	**0.18**	**J**	0.42	0.13	mg/Kg	☼	01/30/20 03:02	01/31/20 13:21	10
Vanadium	**59.5**		2.1	0.59	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10
Zinc	**522**		8.3	4.1	mg/Kg	☼	01/30/20 03:02	01/30/20 16:52	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.39**		0.018	0.010	mg/Kg	☼	01/30/20 04:02	01/30/20 08:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**9.4**		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	**90.6**		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-11_19-21_20200124

Lab Sample ID: 460-201587-10
Date Collected: 01/24/20 11:55
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,1,2,2-Tetrachloroethane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00036	U *	0.0012	0.00036	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,1,2-Trichloroethane	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,1-Dichloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2,3-Trichlorobenzene	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2,4-Trichlorobenzene	0.00043	U	0.0012	0.00043	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2-Dibromo-3-Chloropropane	0.00055	U	0.0012	0.00055	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2-Dichloroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,2-Dichloropropane	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
2-Butanone (MEK)	0.0033	U	0.0060	0.0033	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
2-Hexanone	0.0021	U	0.0060	0.0021	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-11_19-21_20200124
Date Collected: 01/24/20 11:55
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-10
Matrix: Solid
Percent Solids: 89.9

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methyl-2-pentanone (MIBK)	0.0019	U	0.0060	0.0019	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Acetone	0.0069	U	0.0072	0.0069	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Bromoform	0.00051	U	0.0012	0.00051	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Bromomethane	0.00057	U	0.0012	0.00057	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Carbon tetrachloride	0.00047	U	0.0012	0.00047	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chlorobromomethane	0.00034	U	0.0012	0.00034	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chlorodibromomethane	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chloroethane	0.00063	U	0.0012	0.00063	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chloroform	0.00038	U	0.0012	0.00038	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Chloromethane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
cis-1,3-Dichloropropene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Cyclohexane	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Dichlorobromomethane	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Dichlorodifluoromethane	0.00041	U	0.0012	0.00041	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Ethylene Dibromide	0.00022	U	0.0012	0.00022	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Methyl acetate	0.0052	U	0.0060	0.0052	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Methylcyclohexane	0.00060	U *	0.0012	0.00060	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Methylene Chloride	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
o-Xylene	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Styrene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Tetrachloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
trans-1,2-Dichloroethene	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Trichlorofluoromethane	0.00049	U	0.0012	0.00049	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1
Vinyl chloride	0.00066	U	0.0012	0.00066	mg/Kg	☼	01/25/20 18:28	01/29/20 04:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*84*		*78 - 135*	*01/25/20 18:28*	*01/29/20 04:46*	*1*
4-Bromofluorobenzene	*109*		*67 - 126*	*01/25/20 18:28*	*01/29/20 04:46*	*1*
Dibromofluoromethane (Surr)	*98*		*61 - 149*	*01/25/20 18:28*	*01/29/20 04:46*	*1*
Toluene-d8 (Surr)	*90*		*73 - 121*	*01/25/20 18:28*	*01/29/20 04:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0049	U	0.37	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.37	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
1,4-Dioxane	0.010	U	0.11	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,2'-oxybis[1-chloropropane]	0.0067	U	0.37	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,3,4,6-Tetrachlorophenol	0.025	U	0.37	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,4,5-Trichlorophenol	0.037	U *	0.37	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-11_19-21_20200124
Date Collected: 01/24/20 11:55
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-10
Matrix: Solid
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,6-Trichlorophenol	0.047	U *	0.15	0.047	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,4-Dichlorophenol	0.024	U *	0.15	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,4-Dimethylphenol	0.016	U	0.37	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,4-Dinitrophenol	0.18	U *	0.30	0.18	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,4-Dinitrotoluene	0.040	U	0.075	0.040	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2,6-Dinitrotoluene	0.027	U	0.075	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Chloronaphthalene	0.017	U	0.37	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Chlorophenol	0.013	U	0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Methylnaphthalene	0.010	U	0.37	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Methylphenol	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Nitroaniline	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
2-Nitrophenol	0.037	U *	0.37	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
3,3'-Dichlorobenzidine	0.056	U	0.15	0.056	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
3-Nitroaniline	0.041	U	0.37	0.041	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4,6-Dinitro-2-methylphenol	0.060	U	0.30	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Bromophenyl phenyl ether	0.015	U	0.37	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Chloro-3-methylphenol	0.021	U	0.37	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Chloroaniline	0.026	U	0.37	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Chlorophenyl phenyl ether	0.013	U	0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Methylphenol	0.023	U	0.37	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Nitroaniline	0.042	U	0.37	0.042	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
4-Nitrophenol	0.060	U	0.75	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Acenaphthene	0.027	U	0.37	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Acenaphthylene	0.0038	U	0.37	0.0038	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Acetophenone	0.018	U	0.37	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Anthracene	0.011	U	0.37	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Atrazine	0.0093	U	0.15	0.0093	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzaldehyde	0.016	U	0.37	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzo[a]anthracene	0.013	U	0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzo[a]pyrene	0.0098	U	0.037	0.0098	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzo[b]fluoranthene	0.0095	U	0.037	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzo[g,h,i]perylene	0.011	U	0.37	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Benzo[k]fluoranthene	0.0072	U	0.037	0.0072	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Bis(2-chloroethoxy)methane	0.029	U	0.37	0.029	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Bis(2-chloroethyl)ether	0.013	U	0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Bis(2-ethylhexyl) phthalate	0.019	U	0.37	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Butyl benzyl phthalate	0.017	U	0.37	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Caprolactam	0.057	U	0.37	0.057	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Carbazole	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Chrysene	0.0062	U	0.37	0.0062	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Dibenz(a,h)anthracene	0.016	U	0.037	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Dibenzofuran	0.0052	U	0.37	0.0052	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Diethyl phthalate	0.0053	U	0.37	0.0053	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Dimethyl phthalate	0.084	U	0.37	0.084	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Di-n-butyl phthalate	0.065	U	0.37	0.065	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Di-n-octyl phthalate	0.019	U	0.37	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Fluoranthene	0.013	U	0.37	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Fluorene	0.0050	U	0.37	0.0050	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Hexachlorobenzene	0.017	U	0.037	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1

Client Sample ID: SB-11_19-21_20200124
Lab Sample ID: 460-201587-10
Date Collected: 01/24/20 11:55
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Hexachlorobutadiene	0.0078	U *	0.075	0.0078	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Hexachlorocyclopentadiene	0.032	U	0.37	0.032	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Hexachloroethane	0.013	U	0.037	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Indeno[1,2,3-cd]pyrene	0.014	U	0.037	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Isophorone	0.11	U	0.15	0.11	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Naphthalene	0.0064	U	0.37	0.0064	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Nitrobenzene	0.0088	U	0.037	0.0088	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
N-Nitrosodi-n-propylamine	0.027	U	0.037	0.027	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
N-Nitrosodiphenylamine	0.0070	U	0.37	0.0070	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Pentachlorophenol	0.075	U	0.30	0.075	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Phenanthrene	0.0065	U	0.37	0.0065	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Phenol	0.014	U	0.37	0.014	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1
Pyrene	0.0091	U	0.37	0.0091	mg/Kg	☼	01/27/20 19:37	01/28/20 13:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*10 - 137*	*01/27/20 19:37*	*01/28/20 13:56*	*1*
2-Fluorobiphenyl	*63*		*29 - 107*	*01/27/20 19:37*	*01/28/20 13:56*	*1*
2-Fluorophenol (Surr)	*58*		*20 - 115*	*01/27/20 19:37*	*01/28/20 13:56*	*1*
Nitrobenzene-d5 (Surr)	*54*		*25 - 113*	*01/27/20 19:37*	*01/28/20 13:56*	*1*
Phenol-d5 (Surr)	*56*		*28 - 109*	*01/27/20 19:37*	*01/28/20 13:56*	*1*
Terphenyl-d14 (Surr)	*69*		*27 - 123*	*01/27/20 19:37*	*01/28/20 13:56*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
4,4'-DDE	0.00088	U	0.0075	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
4,4'-DDT	0.0014	U	0.0075	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Aldrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
alpha-BHC	0.00076	U	0.0022	0.00076	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
beta-BHC	0.00083	U	0.0022	0.00083	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Chlordane (n.o.s.)	0.018	U	0.075	0.018	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
cis-Chlordane	0.0012	U	0.0075	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
delta-BHC	0.00046	U	0.0022	0.00046	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Dieldrin	0.00097	U	0.0022	0.00097	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endosulfan I	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endosulfan II	0.0019	U	0.0075	0.0019	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endosulfan sulfate	0.00093	U	0.0075	0.00093	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endrin	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endrin aldehyde	0.0018	U	0.0075	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Endrin ketone	0.0014	U	0.0075	0.0014	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
gamma-BHC (Lindane)	0.00069	U	0.0022	0.00069	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Heptachlor	0.00088	U	0.0075	0.00088	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Heptachlor epoxide	0.0011	U	0.0075	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Methoxychlor	0.0017	U	0.0075	0.0017	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
Toxaphene	0.027	U	0.075	0.027	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1
trans-Chlordane	0.0013	U	0.0075	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:58*	*1*
DCB Decachlorobiphenyl	*92*		*49 - 150*	*01/27/20 20:31*	*01/28/20 15:58*	*1*

Client Sample ID: SB-11_19-21_20200124

Date Collected: 01/24/20 11:55
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-10

Matrix: Solid
Percent Solids: 89.9

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	*91*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:58*	*1*
Tetrachloro-m-xylene	*91*		*47 - 150*	*01/27/20 20:31*	*01/28/20 15:58*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0099	U	0.075	0.0099	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1221	0.0099	U	0.075	0.0099	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1232	0.0099	U	0.075	0.0099	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1242	0.0099	U	0.075	0.0099	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1248	0.0099	U	0.075	0.0099	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1254	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1260	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor-1262	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Aroclor 1268	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1
Polychlorinated biphenyls, Total	0.010	U	0.075	0.010	mg/Kg	☼	01/27/20 20:39	01/28/20 17:16	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*99*		*53 - 150*	*01/27/20 20:39*	*01/28/20 17:16*	*1*
DCB Decachlorobiphenyl	*94*		*53 - 150*	*01/27/20 20:39*	*01/28/20 17:16*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**5720**		21.8	7.5	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Antimony	0.32	U	1.1	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Arsenic	**1.8**		1.1	0.35	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Barium	**24.4**		2.2	0.72	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Beryllium	**0.24**	**J**	0.44	0.18	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Cadmium	0.37	U	1.1	0.37	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Calcium	**1730**		109	32.4	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Chromium	**18.4**		2.2	0.65	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Cobalt	**7.6**		2.2	0.66	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Copper	**19.2**		2.2	0.63	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Iron	**21500**		65.5	22.9	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Lead	**7.6**		0.65	0.21	mg/Kg	☼	01/30/20 03:02	01/31/20 13:23	10
Magnesium	**3000**		109	30.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Manganese	**260**		4.4	1.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Nickel	**14.0**		2.2	0.71	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Potassium	**872**		109	39.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Selenium	0.32	U	5.5	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Silver	0.67	U	1.1	0.67	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Sodium	**154**		109	34.2	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Thallium	**0.15**	**J**	0.44	0.14	mg/Kg	☼	01/30/20 03:02	01/31/20 13:23	10
Vanadium	**27.0**		2.2	0.62	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10
Zinc	**33.5**		8.7	4.3	mg/Kg	☼	01/30/20 03:02	01/30/20 16:55	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.018	0.010	mg/Kg	☼	01/30/20 04:26	01/30/20 08:59	1

Client Sample ID: SB-11_19-21_20200124
Lab Sample ID: 460-201587-10

Date Collected: 01/24/20 11:55
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.9

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	10.1		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	89.9		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: SB-12_18-20_20200124
Lab Sample ID: 460-201587-11

Date Collected: 01/24/20 07:30
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 97.4

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0012	0.00025	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00036	U	0.0012	0.00036	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,1,2-Trichloroethane	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,1-Dichloroethane	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,1-Dichloroethene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2,3-Trichlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2,4-Trichlorobenzene	0.00042	U	0.0012	0.00042	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2-Dibromo-3-Chloropropane	0.00055	U	0.0012	0.00055	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2-Dichlorobenzene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2-Dichloroethane	0.00035	U	0.0012	0.00035	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,2-Dichloropropane	0.00050	U	0.0012	0.00050	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,3-Dichlorobenzene	0.00019	U	0.0012	0.00019	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
1,4-Dichlorobenzene	0.00027	U	0.0012	0.00027	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
2-Butanone (MEK)	0.0032	U	0.0059	0.0032	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
2-Hexanone	0.0020	U	0.0059	0.0020	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
4-Methyl-2-pentanone (MIBK)	0.0018	U	0.0059	0.0018	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Acetone	0.0068	U	0.0071	0.0068	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Benzene	0.00031	U	0.0012	0.00031	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Bromoform	0.00050	U	0.0012	0.00050	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Bromomethane	0.00056	U	0.0012	0.00056	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Carbon disulfide	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Carbon tetrachloride	0.00046	U	0.0012	0.00046	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chlorobenzene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chlorobromomethane	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chlorodibromomethane	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chloroethane	0.00062	U	0.0012	0.00062	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chloroform	0.00038	U	0.0012	0.00038	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Chloromethane	0.00052	U	0.0012	0.00052	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
cis-1,2-Dichloroethene	0.00018	U	0.0012	0.00018	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
cis-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Cyclohexane	0.00026	U	0.0012	0.00026	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Dichlorobromomethane	0.00030	U	0.0012	0.00030	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Dichlorodifluoromethane	0.00040	U	0.0012	0.00040	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Ethylbenzene	0.00024	U	0.0012	0.00024	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Ethylene Dibromide	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Isopropylbenzene	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Methyl acetate	0.0051	U	0.0059	0.0051	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Methyl tert-butyl ether	0.00015	U	0.0012	0.00015	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Methylcyclohexane	0.00059	U	0.0012	0.00059	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Methylene Chloride	0.00055	U	0.0012	0.00055	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1

Client Sample ID: SB-12_18-20_20200124
Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11
Matrix: Solid
Percent Solids: 97.4

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00021	U	0.0012	0.00021	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
o-Xylene	0.00023	U	0.0012	0.00023	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Styrene	0.00033	U	0.0012	0.00033	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Tetrachloroethene	**0.00028**	**J**	0.0012	0.00017	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Toluene	0.00028	U	0.0012	0.00028	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
trans-1,2-Dichloroethene	0.00029	U	0.0012	0.00029	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
trans-1,3-Dichloropropene	0.00032	U	0.0012	0.00032	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Trichloroethene	0.00017	U	0.0012	0.00017	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Trichlorofluoromethane	0.00048	U	0.0012	0.00048	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1
Vinyl chloride	0.00065	U	0.0012	0.00065	mg/Kg	☼	01/25/20 18:29	01/30/20 17:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*78 - 135*	*01/25/20 18:29*	*01/30/20 17:28*	*1*
4-Bromofluorobenzene	*105*		*67 - 126*	*01/25/20 18:29*	*01/30/20 17:28*	*1*
Dibromofluoromethane (Surr)	*98*		*61 - 149*	*01/25/20 18:29*	*01/30/20 17:28*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*	*01/25/20 18:29*	*01/30/20 17:28*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0045	U	0.34	0.0045	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
1,2,4,5-Tetrachlorobenzene	0.011	U *	0.34	0.011	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
1,4-Dioxane	0.0094	U	0.10	0.0094	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,2'-oxybis[1-chloropropane]	0.0061	U	0.34	0.0061	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,3,4,6-Tetrachlorophenol	0.023	U	0.34	0.023	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4,5-Trichlorophenol	0.035	U *	0.34	0.035	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4,6-Trichlorophenol	0.044	U *	0.14	0.044	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4-Dichlorophenol	0.022	U *	0.14	0.022	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4-Dimethylphenol	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4-Dinitrophenol	0.17	U *	0.27	0.17	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,4-Dinitrotoluene	0.037	U	0.069	0.037	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2,6-Dinitrotoluene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Chloronaphthalene	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Chlorophenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Methylnaphthalene	0.0095	U	0.34	0.0095	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Methylphenol	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Nitroaniline	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
2-Nitrophenol	0.034	U *	0.34	0.034	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
3,3'-Dichlorobenzidine	0.051	U	0.14	0.051	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
3-Nitroaniline	0.038	U	0.34	0.038	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4,6-Dinitro-2-methylphenol	0.055	U	0.27	0.055	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Bromophenyl phenyl ether	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Chloro-3-methylphenol	0.019	U	0.34	0.019	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Chloroaniline	0.024	U	0.34	0.024	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Chlorophenyl phenyl ether	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Methylphenol	0.021	U	0.34	0.021	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Nitroaniline	0.039	U	0.34	0.039	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
4-Nitrophenol	0.055	U	0.69	0.055	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Acenaphthene	0.025	U	0.34	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Acenaphthylene	0.0035	U	0.34	0.0035	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Acetophenone	0.017	U	0.34	0.017	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1

Client Sample ID: SB-12_18-20_20200124

Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11

Matrix: Solid
Percent Solids: 97.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Anthracene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Atrazine	0.0086	U	0.14	0.0086	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzaldehyde	0.015	U	0.34	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzo[a]anthracene	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzo[a]pyrene	0.0090	U	0.034	0.0090	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzo[b]fluoranthene	0.0088	U	0.034	0.0088	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzo[g,h,i]perylene	0.010	U	0.34	0.010	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Benzo[k]fluoranthene	0.0067	U	0.034	0.0067	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Bis(2-chloroethoxy)methane	0.026	U	0.34	0.026	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Bis(2-chloroethyl)ether	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Bis(2-ethylhexyl) phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Butyl benzyl phthalate	0.016	U	0.34	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Caprolactam	0.053	U	0.34	0.053	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Carbazole	0.013	U	0.34	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Chrysene	0.0057	U	0.34	0.0057	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Dibenz(a,h)anthracene	0.015	U	0.034	0.015	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Dibenzofuran	0.0048	U	0.34	0.0048	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Diethyl phthalate	0.0049	U	0.34	0.0049	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Dimethyl phthalate	0.077	U	0.34	0.077	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Di-n-butyl phthalate	0.060	U	0.34	0.060	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Di-n-octyl phthalate	0.018	U	0.34	0.018	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Fluoranthene	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Fluorene	0.0046	U	0.34	0.0046	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Hexachlorobenzene	0.016	U	0.034	0.016	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Hexachlorobutadiene	0.0072	U *	0.069	0.0072	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Hexachlorocyclopentadiene	0.030	U	0.34	0.030	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Hexachloroethane	0.012	U	0.034	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.034	0.013	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Isophorone	0.098	U	0.14	0.098	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Naphthalene	0.0059	U	0.34	0.0059	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Nitrobenzene	0.0082	U	0.034	0.0082	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
N-Nitrosodi-n-propylamine	0.025	U	0.034	0.025	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
N-Nitrosodiphenylamine	0.0065	U	0.34	0.0065	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Pentachlorophenol	0.070	U	0.27	0.070	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Phenanthrene	0.0060	U	0.34	0.0060	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Phenol	0.012	U	0.34	0.012	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1
Pyrene	0.0084	U	0.34	0.0084	mg/Kg	☼	01/27/20 19:37	01/28/20 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*110*		*10 - 137*	*01/27/20 19:37*	*01/28/20 14:19*	*1*
2-Fluorobiphenyl	*102*		*29 - 107*	*01/27/20 19:37*	*01/28/20 14:19*	*1*
2-Fluorophenol (Surr)	*91*		*20 - 115*	*01/27/20 19:37*	*01/28/20 14:19*	*1*
Nitrobenzene-d5 (Surr)	*88*		*25 - 113*	*01/27/20 19:37*	*01/28/20 14:19*	*1*
Phenol-d5 (Surr)	*88*		*28 - 109*	*01/27/20 19:37*	*01/28/20 14:19*	*1*
Terphenyl-d14 (Surr)	*109*		*27 - 123*	*01/27/20 19:37*	*01/28/20 14:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
4,4'-DDE	0.00081	U	0.0069	0.00081	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1

Client Sample ID: SB-12_18-20_20200124

Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11

Matrix: Solid
Percent Solids: 97.4

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDT	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Aldrin	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
alpha-BHC	0.00070	U	0.0021	0.00070	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
beta-BHC	0.00077	U	0.0021	0.00077	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Chlordane (n.o.s.)	0.017	U	0.069	0.017	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
cis-Chlordane	0.0011	U	0.0069	0.0011	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
delta-BHC	0.00042	U	0.0021	0.00042	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Dieldrin	0.00089	U	0.0021	0.00089	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endosulfan I	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endosulfan II	0.0018	U	0.0069	0.0018	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endosulfan sulfate	0.00086	U	0.0069	0.00086	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endrin	0.00099	U	0.0069	0.00099	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endrin aldehyde	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Endrin ketone	0.0013	U	0.0069	0.0013	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
gamma-BHC (Lindane)	0.00064	U	0.0021	0.00064	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Heptachlor	0.00081	U	0.0069	0.00081	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Heptachlor epoxide	0.0010	U	0.0069	0.0010	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Methoxychlor	0.0016	U	0.0069	0.0016	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
Toxaphene	0.025	U	0.069	0.025	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1
trans-Chlordane	0.0012	U	0.0069	0.0012	mg/Kg	☼	01/27/20 20:31	01/28/20 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*49 - 150*	*01/27/20 20:31*	*01/28/20 16:34*	*1*
DCB Decachlorobiphenyl	*106*		*49 - 150*	*01/27/20 20:31*	*01/28/20 16:34*	*1*
Tetrachloro-m-xylene	*96*		*47 - 150*	*01/27/20 20:31*	*01/28/20 16:34*	*1*
Tetrachloro-m-xylene	*99*		*47 - 150*	*01/27/20 20:31*	*01/28/20 16:34*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0091	U	0.069	0.0091	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1221	0.0091	U	0.069	0.0091	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1232	0.0091	U	0.069	0.0091	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1242	0.0091	U	0.069	0.0091	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1248	0.0091	U	0.069	0.0091	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1254	0.0094	U	0.069	0.0094	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1260	0.0094	U	0.069	0.0094	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor-1262	0.0094	U	0.069	0.0094	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Aroclor 1268	0.0094	U	0.069	0.0094	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1
Polychlorinated biphenyls, Total	0.0094	U	0.069	0.0094	mg/Kg	☼	01/27/20 20:39	01/28/20 17:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*112*		*53 - 150*	*01/27/20 20:39*	*01/28/20 17:49*	*1*
DCB Decachlorobiphenyl	*108*		*53 - 150*	*01/27/20 20:39*	*01/28/20 17:49*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**3100**		19.2	6.6	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Antimony	0.28	U	0.96	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Arsenic	**1.6**		0.96	0.31	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Barium	**41.3**		1.9	0.64	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10

Client Sample ID: SB-12_18-20_20200124

Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11

Matrix: Solid
Percent Solids: 97.4

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.15	U	0.38	0.15	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Cadmium	0.32	U	0.96	0.32	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Calcium	**6000**		96.0	28.5	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Chromium	**8.4**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Cobalt	**3.6**		1.9	0.58	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Copper	**8.7**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Iron	**17300**		57.6	20.2	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Lead	**4.1**		0.58	0.18	mg/Kg	☼	01/30/20 03:02	01/31/20 13:26	10
Magnesium	**3240**		96.0	26.7	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Manganese	**381**		3.8	1.2	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Nickel	**11.8**		1.9	0.62	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Potassium	**759**		96.0	34.5	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Selenium	0.28	U	4.8	0.28	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Silver	0.59	U	0.96	0.59	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Sodium	**328**		96.0	30.0	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Thallium	0.12	U	0.38	0.12	mg/Kg	☼	01/30/20 03:02	01/31/20 13:26	10
Vanadium	**14.8**		1.9	0.55	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10
Zinc	**18.0**		7.7	3.7	mg/Kg	☼	01/30/20 03:02	01/30/20 17:02	10

Method: 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.0092	U	0.016	0.0092	mg/Kg	☼	01/30/20 04:26	01/30/20 09:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	**2.6**		1.0	1.0	%			01/29/20 01:54	1
Percent Solids	**97.4**		1.0	1.0	%			01/29/20 01:54	1

Client Sample ID: TB-01_20200124

Date Collected: 01/24/20 06:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-12

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/29/20 00:19	1
1,1,2,2-Tetrachloroethane	0.37	U *	1.0	0.37	ug/L			01/29/20 00:19	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/29/20 00:19	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 00:19	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/29/20 00:19	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/29/20 00:19	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/29/20 00:19	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/29/20 00:19	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/29/20 00:19	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/29/20 00:19	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 00:19	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/29/20 00:19	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/29/20 00:19	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/29/20 00:19	1
1,4-Dioxane	28	U	50	28	ug/L			01/29/20 00:19	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/29/20 00:19	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: TB-01_20200124
Date Collected: 01/24/20 06:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-12
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/29/20 00:19	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/29/20 00:19	1
Acetone	4.4	U	5.0	4.4	ug/L			01/29/20 00:19	1
Benzene	0.20	U	1.0	0.20	ug/L			01/29/20 00:19	1
Bromoform	0.54	U *	1.0	0.54	ug/L			01/29/20 00:19	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/29/20 00:19	1
Carbon disulfide	0.82	U *	1.0	0.82	ug/L			01/29/20 00:19	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/29/20 00:19	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/29/20 00:19	1
Chlorobromomethane	0.41	U *	1.0	0.41	ug/L			01/29/20 00:19	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/29/20 00:19	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/29/20 00:19	1
Chloroform	**1.2**		1.0	0.33	ug/L			01/29/20 00:19	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/29/20 00:19	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/29/20 00:19	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/29/20 00:19	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/29/20 00:19	1
Dichlorobromomethane	0.34	U *	1.0	0.34	ug/L			01/29/20 00:19	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/29/20 00:19	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/29/20 00:19	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/29/20 00:19	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/29/20 00:19	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/29/20 00:19	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/29/20 00:19	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/29/20 00:19	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/29/20 00:19	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/29/20 00:19	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/29/20 00:19	1
Styrene	0.42	U	1.0	0.42	ug/L			01/29/20 00:19	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/29/20 00:19	1
Toluene	0.38	U *	1.0	0.38	ug/L			01/29/20 00:19	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/29/20 00:19	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/29/20 00:19	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/29/20 00:19	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/29/20 00:19	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/29/20 00:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*01/29/20 00:19*	*1*
4-Bromofluorobenzene	*97*		*77 - 124*		*01/29/20 00:19*	*1*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*01/29/20 00:19*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/29/20 00:19*	*1*

Surrogate Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(78-135)	(67-126)	(61-149)	(73-121)
460-201296-2	SB-06_0.5-2.5_20200121	90	101	99	103
460-201296-3	SB-06_2.5-3.5_20200121	98	99	102	103
460-201296-4	SB-05_0.5-2.5_20200121	97	102	96	103
460-201296-5	SB-02_0.5-1.5_20200121	90	97	96	96
460-201362-1	SB-08_0-2_20200122	100	97	106	102
460-201362-2	SB-08_19-21_20200122	94	97	105	102
460-201362-3	SB-04_0-2_20200122	91	113	100	96
460-201362-4	SB-04_15-17_20200122	93	97	104	99
460-201482-2	SB-01_0.5-2.5_20200123	99	95	105	102
460-201482-3	SB-01_16-18_20200123	103	107	110	106
460-201482-4	SB-12_0-2_20200123	101	105	109	104
460-201587-1	SB-03_0-2_20200124	93	114	102	93
460-201587-3	SB-07_0-2_20200124	86	108	98	88
460-201587-4	SB-07_18-20_20200124	89	111	100	90
460-201587-5	SB-09_0-2_20200124	90	112	102	92
460-201587-6	SB-09_20-22_20200124	89	110	101	91
460-201587-7	SB-10_0-2_20200124	88	112	99	91
460-201587-8	SB-10_19-21_20200124	87	112	100	91
460-201587-9	SB-11_0-2_20200124	88	117	100	91
460-201587-10	SB-11_19-21_20200124	84	109	98	90
460-201587-11	SB-12_18-20_20200124	87	105	98	91
LB3 460-669900/1-A	Method Blank	93	107	105	105
LB3 460-670142/1-A	Method Blank	92	108	104	105
LB3 460-670602/1-A	Method Blank	91	101	101	98
LB3 460-670722/1-A	Method Blank	83	95	93	99
LCS 460-670294/3	Lab Control Sample	95	104	102	103
LCS 460-670701/3	Lab Control Sample	94	100	104	103
LCS 460-670762/3	Lab Control Sample	97	101	108	107
LCS 460-671329/5	Lab Control Sample	85	109	101	94
LCS 460-671360/4	Lab Control Sample	101	104	106	108
LCS 460-671746/5	Lab Control Sample	99	104	107	109
LCS 460-671748/4	Lab Control Sample	86	108	101	94
LCSD 460-670294/4	Lab Control Sample Dup	99	109	109	109
LCSD 460-670701/4	Lab Control Sample Dup	93	101	103	103
LCSD 460-670762/4	Lab Control Sample Dup	96	99	108	109
LCSD 460-671329/6	Lab Control Sample Dup	84	108	100	93
LCSD 460-671360/5	Lab Control Sample Dup	96	99	102	101
LCSD 460-671746/7	Lab Control Sample Dup	98	106	105	107
LCSD 460-671748/5	Lab Control Sample Dup	84	104	98	92
MB 460-670294/7	Method Blank	94	107	105	104
MB 460-670701/7	Method Blank	98	111	113	110
MB 460-670762/7	Method Blank	95	98	106	104
MB 460-671329/9	Method Blank	87	112	99	92
MB 460-671360/8	Method Blank	97	105	103	104
MB 460-671746/10	Method Blank	98	103	103	104
MB 460-671748/8	Method Blank	86	104	98	91

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)

BFB = 4-Bromofluorobenzene

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(69-143)	(61-137)	(61-135)	(67-127)
460-201587-2	SB-03_2-4_20200124	126	112	114	121
LCS 460-671379/4	Lab Control Sample	102	96	99	100
LCSD 460-671379/18	Lab Control Sample Dup	103	103	100	108
MB 460-671379/8	Method Blank	104	100	102	102

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(74-132)	(77-124)	(72-131)	(80-120)
460-201296-1	TB-01_20200120	85	83	86	93
460-201362-5	TB-01_20200122	86	92	91	101
460-201482-1	TB-01_20200123	95	93	94	102
460-201494-A-4 MS	Matrix Spike	95	93	90	98
460-201494-A-4 MSD	Matrix Spike Duplicate	92	96	90	101
460-201587-12	TB-01_20200124	99	97	99	96
LCS 460-670776/4	Lab Control Sample	86	96	91	101
LCS 460-671374/4	Lab Control Sample	106	103	105	101
LCSD 460-671374/5	Lab Control Sample Dup	105	103	105	103
MB 460-670776/9	Method Blank	84	85	88	90
MB 460-671374/9	Method Blank	100	98	100	97

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-137)	(29-107)	(20-115)	(25-113)	(28-109)	(27-123)
460-201296-2	SB-06_0.5-2.5_20200121	51	29	45	34	48	60
460-201296-3	SB-06_2.5-3.5_20200121	62	43	70	51	72	28
460-201296-4	SB-05_0.5-2.5_20200121	35	39	50	46	55	68
460-201296-5	SB-02_0.5-1.5_20200121	62	48	42	43	47	67
460-201342-E-1-D MS	Matrix Spike	59	47	49	48	51	60
460-201342-E-1-E MSD	Matrix Spike Duplicate	52	45	45	45	47	54
460-201362-1	SB-08_0-2_20200122	49	46	47	47	46	52
460-201362-2	SB-08_19-21_20200122	92	84	90	81	88	117

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(10-137)	(29-107)	(20-115)	(25-113)	(28-109)	(27-123)
460-201362-3	SB-04_0-2_20200122	51	51	51	18 X	42	69
460-201362-4	SB-04_15-17_20200122	69	60	61	57	62	90
460-201477-E-1-C MS	Matrix Spike	73	75	77	74	77	98
460-201477-E-1-D MSD	Matrix Spike Duplicate	80	78	80	78	79	99
460-201481-A-3-A MS	Matrix Spike	30	57	53	50	53	55
460-201481-A-3-B MSD	Matrix Spike Duplicate	28	62	48	48	51	72
460-201482-2	SB-01_0.5-2.5_20200123	46	44	50	41	49	42
460-201482-3	SB-01_16-18_20200123	79	71	64	61	63	81
460-201482-4	SB-12_0-2_20200123	63	56	56	48	56	54
460-201587-1	SB-03_0-2_20200124	94	75	60	57	62	88
460-201587-2	SB-03_2-4_20200124	75	63	62	65	63	66
460-201587-2 MS	SB-03_2-4_20200124	93	68	66	64	66	85
460-201587-2 MSD	SB-03_2-4_20200124	92	68	60	60	60	87
460-201587-3	SB-07_0-2_20200124	77	61	48	45	49	73
460-201587-4	SB-07_18-20_20200124	97	88	78	75	75	94
460-201587-5	SB-09_0-2_20200124	107	101	89	86	85	107
460-201587-6	SB-09_20-22_20200124	106	98	86	82	82	103
460-201587-7	SB-10_0-2_20200124	80	72	71	62	71	67
460-201587-8	SB-10_19-21_20200124	105	100	86	83	84	106
460-201587-9	SB-11_0-2_20200124	84	69	59	54	60	78
460-201587-10	SB-11_19-21_20200124	66	63	58	54	56	69
460-201587-11	SB-12_18-20_20200124	110	102	91	88	88	109
LCS 460-670664/2-A	Lab Control Sample	79	75	77	72	75	96
LCS 460-670664/4-A	Lab Control Sample	88	81	88	82	85	106
LCS 460-670666/2-A	Lab Control Sample	103	90	83	80	82	101
LCS 460-670666/4-A	Lab Control Sample	100	90	85	79	83	101
LCS 460-670671/2-A	Lab Control Sample	80	71	73	74	75	79
LCS 460-670671/4-A	Lab Control Sample	98	87	88	92	88	99
LCS 460-671123/2-A	Lab Control Sample	118	99	93	88	92	113
LCS 460-671123/4-A	Lab Control Sample	116	104	91	88	91	117
LCSD 460-670664/3-A	Lab Control Sample Dup	82	79	80	76	77	99
LCSD 460-670666/3-A	Lab Control Sample Dup	102	88	78	75	77	99
LCSD 460-670671/3-A	Lab Control Sample Dup	88	77	77	80	79	85
MB 460-670664/1-A	Method Blank	76	73	79	75	77	93
MB 460-670666/1-A	Method Blank	98	87	83	77	77	97
MB 460-670671/1-A	Method Blank	85	77	78	81	78	86
MB 460-671123/1-A	Method Blank	114	103	95	89	93	112

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (49-150)	DCBP2 (49-150)	TCX1 (47-150)	TCX2 (47-150)
460-200792-E-2-A MS	Matrix Spike	107			62 p
460-200792-E-2-B MSD	Matrix Spike Duplicate		114		92
460-201022-H-19-D MS	Matrix Spike	71	70	59	69
460-201022-H-19-E MSD	Matrix Spike Duplicate	71	68	67	68
460-201296-2	SB-06_0.5-2.5_20200121	85	85	62	74
460-201296-3	SB-06_2.5-3.5_20200121	72	72	67	73
460-201296-4	SB-05_0.5-2.5_20200121	79	78	74	79
460-201296-5	SB-02_0.5-1.5_20200121	87	82	71	73
460-201312-B-3-E MS	Matrix Spike	112	127	92	108
460-201312-B-3-F MSD	Matrix Spike Duplicate	120	134	103	109
460-201343-H-1-A MS	Matrix Spike	108	113	109	112
460-201343-H-1-B MSD	Matrix Spike Duplicate	87	89	89	90
460-201362-1	SB-08_0-2_20200122	126	175 X	115	115
460-201362-2	SB-08_19-21_20200122	108	86	79	80
460-201362-3	SB-04_0-2_20200122	2458 X	2481 X	115	94
460-201362-4	SB-04_15-17_20200122	664 X	125	71	69
460-201482-2	SB-01_0.5-2.5_20200123	175 X	164 X	138	139
460-201482-3	SB-01_16-18_20200123	87	110	95	100
460-201482-4	SB-12_0-2_20200123	78	99	85	89
460-201587-1	SB-03_0-2_20200124	94	89	86	86
460-201587-2	SB-03_2-4_20200124	96	118	93	90
460-201587-3	SB-07_0-2_20200124	92	105	89	91
460-201587-4	SB-07_18-20_20200124	82	101	89	88
460-201587-5	SB-09_0-2_20200124	85	104	86	85
460-201587-6	SB-09_20-22_20200124	92	109	93	92
460-201587-7	SB-10_0-2_20200124	80	87	81	82
460-201587-8	SB-10_19-21_20200124	88	96	86	87
460-201587-9	SB-11_0-2_20200124	95	98	86	87
460-201587-10	SB-11_19-21_20200124	82	92	91	91
460-201587-11	SB-12_18-20_20200124	95	106	96	99
LCS 460-670032/2-A	Lab Control Sample	73	73	75	77
LCS 460-670150/2-A	Lab Control Sample	106	114	98	101
LCS 460-670586/2-A	Lab Control Sample	78	95	89	93
LCS 460-671131/2-A	Lab Control Sample	85	98	88	88
LCSD 460-670032/3-A	Lab Control Sample Dup	72	74	70	74
LCSD 460-670150/3-A	Lab Control Sample Dup	99	114	90	103
LCSD 460-670586/3-A	Lab Control Sample Dup	81	97	92	93
LCSD 460-671131/3-A	Lab Control Sample Dup	82	94	86	89
MB 460-670032/1-A	Method Blank	75	76	76	80
MB 460-670150/1-A	Method Blank	97	110	79	92
MB 460-670586/1-A	Method Blank	80	105	91	94
MB 460-671131/1-A	Method Blank	81	83	84	85

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Solid
Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (53-150)	DCBP2 (53-150)
460-200792-E-2-D MS	Matrix Spike	77	100
460-200792-E-2-E MSD	Matrix Spike Duplicate	92	117
460-201022-H-19-A MS	Matrix Spike	96	110
460-201022-H-19-B MSD	Matrix Spike Duplicate	85	98
460-201296-2	SB-06_0.5-2.5_20200121	90	98
460-201296-3	SB-06_2.5-3.5_20200121	86	98
460-201296-4	SB-05_0.5-2.5_20200121	88	99
460-201296-5	SB-02_0.5-1.5_20200121	106	104
460-201312-B-3-B MS	Matrix Spike	140	140
460-201312-B-3-C MSD	Matrix Spike Duplicate	142	141
460-201343-H-1-D MS	Matrix Spike	111	103
460-201343-H-1-E MSD	Matrix Spike Duplicate	110	104
460-201362-1	SB-08_0-2_20200122	134	121
460-201362-2	SB-08_19-21_20200122	119	112
460-201362-3	SB-04_0-2_20200122	148	143
460-201362-4	SB-04_15-17_20200122	115	112
460-201482-2	SB-01_0.5-2.5_20200123	72	84
460-201482-3	SB-01_16-18_20200123	76	90
460-201482-4	SB-12_0-2_20200123	81	93
460-201587-1	SB-03_0-2_20200124	124	129
460-201587-2	SB-03_2-4_20200124	140	149
460-201587-3	SB-07_0-2_20200124	121	112
460-201587-4	SB-07_18-20_20200124	97	109
460-201587-5	SB-09_0-2_20200124	108	105
460-201587-6	SB-09_20-22_20200124	117	109
460-201587-7	SB-10_0-2_20200124	105	102
460-201587-8	SB-10_19-21_20200124	109	103
460-201587-9	SB-11_0-2_20200124	115	103
460-201587-10	SB-11_19-21_20200124	99	94
460-201587-11	SB-12_18-20_20200124	112	108
LCS 460-670026/2-A	Lab Control Sample	85	93
LCS 460-670141/2-A	Lab Control Sample	111	105
LCS 460-670587/2-A	Lab Control Sample	80	92
LCS 460-671138/2-A	Lab Control Sample	103	106
LCSD 460-670026/3-A	Lab Control Sample Dup	85	94
LCSD 460-670141/3-A	Lab Control Sample Dup	108	101
LCSD 460-670587/3-A	Lab Control Sample Dup	81	91
LCSD 460-671138/3-A	Lab Control Sample Dup	110	106
MB 460-670026/1-A	Method Blank	87	100
MB 460-670141/1-A	Method Blank	106	107
MB 460-670587/1-A	Method Blank	80	91
MB 460-671138/1-A	Method Blank	108	103

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: LB3 460-669900/1-A
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669900

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/22/20 11:16	01/23/20 21:44	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-669900/1-A
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 669900

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg		01/22/20 11:16	01/23/20 21:44	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg		01/22/20 11:16	01/23/20 21:44	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*78 - 135*	*01/22/20 11:16*	*01/23/20 21:44*	*1*
4-Bromofluorobenzene	*107*		*67 - 126*	*01/22/20 11:16*	*01/23/20 21:44*	*1*
Dibromofluoromethane (Surr)	*105*		*61 - 149*	*01/22/20 11:16*	*01/23/20 21:44*	*1*
Toluene-d8 (Surr)	*105*		*73 - 121*	*01/22/20 11:16*	*01/23/20 21:44*	*1*

Lab Sample ID: LB3 460-670142/1-A
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670142

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg		01/23/20 08:50	01/23/20 22:09	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-670142/1-A
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670142

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg		01/23/20 08:50	01/23/20 22:09	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg		01/23/20 08:50	01/23/20 22:09	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*78 - 135*	*01/23/20 08:50*	*01/23/20 22:09*	*1*
4-Bromofluorobenzene	*108*		*67 - 126*	*01/23/20 08:50*	*01/23/20 22:09*	*1*
Dibromofluoromethane (Surr)	*104*		*61 - 149*	*01/23/20 08:50*	*01/23/20 22:09*	*1*
Toluene-d8 (Surr)	*105*		*73 - 121*	*01/23/20 08:50*	*01/23/20 22:09*	*1*

Lab Sample ID: MB 460-670294/7
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/23/20 21:02	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/23/20 21:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/23/20 21:02	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/23/20 21:02	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/23/20 21:02	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/23/20 21:02	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/23/20 21:02	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/23/20 21:02	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/23/20 21:02	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/23/20 21:02	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/23/20 21:02	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/23/20 21:02	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/23/20 21:02	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/23/20 21:02	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/23/20 21:02	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/23/20 21:02	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/23/20 21:02	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/23/20 21:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670294/7
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/23/20 21:02	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/23/20 21:02	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/23/20 21:02	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/23/20 21:02	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/23/20 21:02	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/23/20 21:02	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/23/20 21:02	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/23/20 21:02	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/23/20 21:02	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/23/20 21:02	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/23/20 21:02	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/23/20 21:02	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/23/20 21:02	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/23/20 21:02	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/23/20 21:02	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/23/20 21:02	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/23/20 21:02	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/23/20 21:02	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/23/20 21:02	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/23/20 21:02	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/23/20 21:02	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/23/20 21:02	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/23/20 21:02	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/23/20 21:02	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/23/20 21:02	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/23/20 21:02	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/23/20 21:02	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/23/20 21:02	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/23/20 21:02	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/23/20 21:02	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/23/20 21:02	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/23/20 21:02	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/23/20 21:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*78 - 135*		*01/23/20 21:02*	*1*
4-Bromofluorobenzene	*107*		*67 - 126*		*01/23/20 21:02*	*1*
Dibromofluoromethane (Surr)	*105*		*61 - 149*		*01/23/20 21:02*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/23/20 21:02*	*1*

Lab Sample ID: LCS 460-670294/3
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0188		mg/Kg		94	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0193		mg/Kg		96	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0229		mg/Kg		114	78 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670294/3
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	0.0200	0.0192		mg/Kg		96	76 - 124
1,1-Dichloroethane	0.0200	0.0211		mg/Kg		105	80 - 124
1,1-Dichloroethene	0.0200	0.0219		mg/Kg		109	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0211		mg/Kg		105	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0210		mg/Kg		105	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0181		mg/Kg		91	65 - 129
1,2-Dichlorobenzene	0.0200	0.0202		mg/Kg		101	80 - 121
1,2-Dichloroethane	0.0200	0.0177		mg/Kg		88	68 - 120
1,2-Dichloropropane	0.0200	0.0200		mg/Kg		100	77 - 124
1,3-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	79 - 124
1,4-Dichlorobenzene	0.0200	0.0206		mg/Kg		103	79 - 121
2-Butanone (MEK)	0.100	0.0983		mg/Kg		98	61 - 140
2-Hexanone	0.100	0.0913		mg/Kg		91	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0922		mg/Kg		92	80 - 120
Acetone	0.100	0.0909		mg/Kg		91	75 - 120
Benzene	0.0200	0.0206		mg/Kg		103	75 - 127
Bromoform	0.0200	0.0168		mg/Kg		84	19 - 150
Bromomethane	0.0200	0.0223		mg/Kg		111	59 - 136
Carbon disulfide	0.0200	0.0192		mg/Kg		96	74 - 130
Carbon tetrachloride	0.0200	0.0189		mg/Kg		94	77 - 138
Chlorobenzene	0.0200	0.0201		mg/Kg		100	80 - 120
Chlorobromomethane	0.0200	0.0207		mg/Kg		103	80 - 125
Chlorodibromomethane	0.0200	0.0171		mg/Kg		86	67 - 143
Chloroethane	0.0200	0.0239		mg/Kg		119	50 - 139
Chloroform	0.0200	0.0191		mg/Kg		96	80 - 122
Chloromethane	0.0200	0.0174		mg/Kg		87	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0208		mg/Kg		104	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0192		mg/Kg		96	75 - 124
Cyclohexane	0.0200	0.0213		mg/Kg		107	67 - 135
Dichlorobromomethane	0.0200	0.0173		mg/Kg		87	76 - 129
Dichlorodifluoromethane	0.0200	0.0214		mg/Kg		107	72 - 127
Ethylbenzene	0.0200	0.0200		mg/Kg		100	79 - 124
Ethylene Dibromide	0.0200	0.0196		mg/Kg		98	80 - 122
Isopropylbenzene	0.0200	0.0201		mg/Kg		101	80 - 125
Methyl acetate	0.0400	0.0379		mg/Kg		95	73 - 123
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		98	80 - 120
Methylcyclohexane	0.0200	0.0210		mg/Kg		105	71 - 137
Methylene Chloride	0.0200	0.0209		mg/Kg		105	79 - 128
m-Xylene & p-Xylene	0.0200	0.0199		mg/Kg		99	79 - 121
o-Xylene	0.0200	0.0197		mg/Kg		98	79 - 123
Styrene	0.0200	0.0196		mg/Kg		98	78 - 123
Tetrachloroethene	0.0200	0.0216		mg/Kg		108	73 - 130
Toluene	0.0200	0.0199		mg/Kg		99	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0216		mg/Kg		108	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0177		mg/Kg		88	72 - 121
Trichloroethene	0.0200	0.0202		mg/Kg		101	79 - 122
Trichlorofluoromethane	0.0200	0.0230		mg/Kg		115	68 - 136
Vinyl chloride	0.0200	0.0195		mg/Kg		98	70 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670294/3
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 135*
4-Bromofluorobenzene	*104*		*67 - 126*
Dibromofluoromethane (Surr)	*102*		*61 - 149*
Toluene-d8 (Surr)	*103*		*73 - 121*

Lab Sample ID: LCSD 460-670294/4
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0196		mg/Kg		98	80 - 125	5	30
1,1,2,2-Tetrachloroethane			0.0200	0.0195		mg/Kg		98	72 - 131	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0242		mg/Kg		121	78 - 132	5	30
1,1,2-Trichloroethane			0.0200	0.0192		mg/Kg		96	76 - 124	0	30
1,1-Dichloroethane			0.0200	0.0215		mg/Kg		107	80 - 124	2	30
1,1-Dichloroethene			0.0200	0.0227		mg/Kg		113	79 - 132	4	30
1,2,3-Trichlorobenzene			0.0200	0.0214		mg/Kg		107	75 - 123	2	30
1,2,4-Trichlorobenzene			0.0200	0.0210		mg/Kg		105	74 - 124	0	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0188		mg/Kg		94	65 - 129	4	30
1,2-Dichlorobenzene			0.0200	0.0206		mg/Kg		103	80 - 121	2	30
1,2-Dichloroethane			0.0200	0.0176		mg/Kg		88	68 - 120	0	30
1,2-Dichloropropane			0.0200	0.0205		mg/Kg		102	77 - 124	2	30
1,3-Dichlorobenzene			0.0200	0.0205		mg/Kg		103	79 - 124	1	30
1,4-Dichlorobenzene			0.0200	0.0206		mg/Kg		103	79 - 121	0	30
2-Butanone (MEK)			0.100	0.0985		mg/Kg		98	61 - 140	0	30
2-Hexanone			0.100	0.0939		mg/Kg		94	78 - 120	3	30
4-Methyl-2-pentanone (MIBK)			0.100	0.0947		mg/Kg		95	80 - 120	3	30
Acetone			0.100	0.0920		mg/Kg		92	75 - 120	1	30
Benzene			0.0200	0.0210		mg/Kg		105	75 - 127	2	30
Bromoform			0.0200	0.0169		mg/Kg		85	19 - 150	1	30
Bromomethane			0.0200	0.0242		mg/Kg		121	59 - 136	8	30
Carbon disulfide			0.0200	0.0204		mg/Kg		102	74 - 130	6	30
Carbon tetrachloride			0.0200	0.0196		mg/Kg		98	77 - 138	4	30
Chlorobenzene			0.0200	0.0206		mg/Kg		103	80 - 120	3	30
Chlorobromomethane			0.0200	0.0211		mg/Kg		106	80 - 125	2	30
Chlorodibromomethane			0.0200	0.0176		mg/Kg		88	67 - 143	3	30
Chloroethane			0.0200	0.0265		mg/Kg		132	50 - 139	10	30
Chloroform			0.0200	0.0197		mg/Kg		98	80 - 122	3	30
Chloromethane			0.0200	0.0192		mg/Kg		96	66 - 128	10	30
cis-1,2-Dichloroethene			0.0200	0.0214		mg/Kg		107	80 - 123	3	30
cis-1,3-Dichloropropene			0.0200	0.0192		mg/Kg		96	75 - 124	0	30
Cyclohexane			0.0200	0.0221		mg/Kg		110	67 - 135	3	30
Dichlorobromomethane			0.0200	0.0177		mg/Kg		89	76 - 129	2	30
Dichlorodifluoromethane			0.0200	0.0236		mg/Kg		118	72 - 127	10	30
Ethylbenzene			0.0200	0.0203		mg/Kg		102	79 - 124	2	30
Ethylene Dibromide			0.0200	0.0191		mg/Kg		96	80 - 122	2	30
Isopropylbenzene			0.0200	0.0208		mg/Kg		104	80 - 125	3	30
Methyl acetate			0.0400	0.0374		mg/Kg		94	73 - 123	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-670294/4
Matrix: Solid
Analysis Batch: 670294

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			0.0200	0.0200		mg/Kg		100	80 - 120	2	30
Methylcyclohexane			0.0200	0.0217		mg/Kg		109	71 - 137	4	30
Methylene Chloride			0.0200	0.0218		mg/Kg		109	79 - 128	4	30
m-Xylene & p-Xylene			0.0200	0.0200		mg/Kg		100	79 - 121	0	30
o-Xylene			0.0200	0.0202		mg/Kg		101	79 - 123	3	30
Styrene			0.0200	0.0200		mg/Kg		100	78 - 123	2	30
Tetrachloroethene			0.0200	0.0213		mg/Kg		107	73 - 130	1	30
Toluene			0.0200	0.0201		mg/Kg		101	75 - 122	1	30
trans-1,2-Dichloroethene			0.0200	0.0220		mg/Kg		110	80 - 129	2	30
trans-1,3-Dichloropropene			0.0200	0.0179		mg/Kg		90	72 - 121	1	30
Trichloroethene			0.0200	0.0206		mg/Kg		103	79 - 122	2	30
Trichlorofluoromethane			0.0200	0.0252		mg/Kg		126	68 - 136	9	30
Vinyl chloride			0.0200	0.0223		mg/Kg		111	70 - 134	13	30

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

Lab Sample ID: LB3 460-670602/1-A
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670602

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg		01/25/20 00:33	01/26/20 00:09	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-670602/1-A
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670602

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg		01/25/20 00:33	01/26/20 00:09	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg		01/25/20 00:33	01/26/20 00:09	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*78 - 135*	*01/25/20 00:33*	*01/26/20 00:09*	*1*
4-Bromofluorobenzene	*101*		*67 - 126*	*01/25/20 00:33*	*01/26/20 00:09*	*1*
Dibromofluoromethane (Surr)	*101*		*61 - 149*	*01/25/20 00:33*	*01/26/20 00:09*	*1*
Toluene-d8 (Surr)	*98*		*73 - 121*	*01/25/20 00:33*	*01/26/20 00:09*	*1*

Lab Sample ID: MB 460-670701/7
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/25/20 19:59	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/25/20 19:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/25/20 19:59	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/25/20 19:59	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/25/20 19:59	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/25/20 19:59	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/25/20 19:59	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/25/20 19:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670701/7
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/25/20 19:59	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/25/20 19:59	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/25/20 19:59	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/25/20 19:59	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/25/20 19:59	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/25/20 19:59	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/25/20 19:59	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/25/20 19:59	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/25/20 19:59	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/25/20 19:59	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/25/20 19:59	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/25/20 19:59	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/25/20 19:59	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/25/20 19:59	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/25/20 19:59	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/25/20 19:59	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/25/20 19:59	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/25/20 19:59	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/25/20 19:59	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/25/20 19:59	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/25/20 19:59	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/25/20 19:59	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/25/20 19:59	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/25/20 19:59	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/25/20 19:59	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/25/20 19:59	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/25/20 19:59	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/25/20 19:59	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/25/20 19:59	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/25/20 19:59	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/25/20 19:59	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/25/20 19:59	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/25/20 19:59	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/25/20 19:59	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/25/20 19:59	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/25/20 19:59	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/25/20 19:59	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/25/20 19:59	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/25/20 19:59	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/25/20 19:59	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/25/20 19:59	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/25/20 19:59	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/25/20 19:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*		*01/25/20 19:59*	*1*
4-Bromofluorobenzene	*111*		*67 - 126*		*01/25/20 19:59*	*1*
Dibromofluoromethane (Surr)	*113*		*61 - 149*		*01/25/20 19:59*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670701/7
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	110		73 - 121		01/25/20 19:59	1

Lab Sample ID: LCS 460-670701/3
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0181		mg/Kg		91	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0168		mg/Kg		84	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0226		mg/Kg		113	78 - 132
1,1,2-Trichloroethane	0.0200	0.0180		mg/Kg		90	76 - 124
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		103	80 - 124
1,1-Dichloroethene	0.0200	0.0218		mg/Kg		109	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0196		mg/Kg		98	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0195		mg/Kg		98	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0165		mg/Kg		82	65 - 129
1,2-Dichlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 121
1,2-Dichloroethane	0.0200	0.0177		mg/Kg		88	68 - 120
1,2-Dichloropropane	0.0200	0.0198		mg/Kg		99	77 - 124
1,3-Dichlorobenzene	0.0200	0.0186		mg/Kg		93	79 - 124
1,4-Dichlorobenzene	0.0200	0.0187		mg/Kg		94	79 - 121
2-Butanone (MEK)	0.100	0.0999		mg/Kg		100	61 - 140
2-Hexanone	0.100	0.0896		mg/Kg		90	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0916		mg/Kg		92	80 - 120
Acetone	0.100	0.0935		mg/Kg		93	75 - 120
Benzene	0.0200	0.0198		mg/Kg		99	75 - 127
Bromoform	0.0200	0.0160		mg/Kg		80	19 - 150
Bromomethane	0.0200	0.0236		mg/Kg		118	59 - 136
Carbon disulfide	0.0200	0.0183		mg/Kg		91	74 - 130
Carbon tetrachloride	0.0200	0.0188		mg/Kg		94	77 - 138
Chlorobenzene	0.0200	0.0198		mg/Kg		99	80 - 120
Chlorobromomethane	0.0200	0.0209		mg/Kg		104	80 - 125
Chlorodibromomethane	0.0200	0.0173		mg/Kg		86	67 - 143
Chloroethane	0.0200	0.0256		mg/Kg		128	50 - 139
Chloroform	0.0200	0.0184		mg/Kg		92	80 - 122
Chloromethane	0.0200	0.0185		mg/Kg		93	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0184		mg/Kg		92	75 - 124
Cyclohexane	0.0200	0.0212		mg/Kg		106	67 - 135
Dichlorobromomethane	0.0200	0.0165		mg/Kg		82	76 - 129
Dichlorodifluoromethane	0.0200	0.0245		mg/Kg		123	72 - 127
Ethylbenzene	0.0200	0.0198		mg/Kg		99	79 - 124
Ethylene Dibromide	0.0200	0.0186		mg/Kg		93	80 - 122
Isopropylbenzene	0.0200	0.0194		mg/Kg		97	80 - 125
Methyl acetate	0.0400	0.0368		mg/Kg		92	73 - 123
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	80 - 120
Methylcyclohexane	0.0200	0.0207		mg/Kg		104	71 - 137
Methylene Chloride	0.0200	0.0204		mg/Kg		102	79 - 128

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670701/3
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
m-Xylene & p-Xylene	0.0200	0.0195		mg/Kg		97	79 - 121
o-Xylene	0.0200	0.0197		mg/Kg		98	79 - 123
Styrene	0.0200	0.0189		mg/Kg		94	78 - 123
Tetrachloroethene	0.0200	0.0209		mg/Kg		105	73 - 130
Toluene	0.0200	0.0191		mg/Kg		95	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0214		mg/Kg		107	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0168		mg/Kg		84	72 - 121
Trichloroethene	0.0200	0.0199		mg/Kg		100	79 - 122
Trichlorofluoromethane	0.0200	0.0244		mg/Kg		122	68 - 136
Vinyl chloride	0.0200	0.0204		mg/Kg		102	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*78 - 135*
4-Bromofluorobenzene	*100*		*67 - 126*
Dibromofluoromethane (Surr)	*104*		*61 - 149*
Toluene-d8 (Surr)	*103*		*73 - 121*

Lab Sample ID: LCSD 460-670701/4
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0162		mg/Kg		81	80 - 125	11	30
1,1,2,2-Tetrachloroethane	0.0200	0.0153		mg/Kg		76	72 - 131	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		102	78 - 132	11	30
1,1,2-Trichloroethane	0.0200	0.0163		mg/Kg		82	76 - 124	10	30
1,1-Dichloroethane	0.0200	0.0183		mg/Kg		92	80 - 124	11	30
1,1-Dichloroethene	0.0200	0.0195		mg/Kg		97	79 - 132	11	30
1,2,3-Trichlorobenzene	0.0200	0.0177		mg/Kg		89	75 - 123	10	30
1,2,4-Trichlorobenzene	0.0200	0.0178		mg/Kg		89	74 - 124	10	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0149		mg/Kg		74	65 - 129	10	30
1,2-Dichlorobenzene	0.0200	0.0167		mg/Kg		83	80 - 121	9	30
1,2-Dichloroethane	0.0200	0.0159		mg/Kg		79	68 - 120	11	30
1,2-Dichloropropane	0.0200	0.0173		mg/Kg		87	77 - 124	14	30
1,3-Dichlorobenzene	0.0200	0.0165		mg/Kg		83	79 - 124	12	30
1,4-Dichlorobenzene	0.0200	0.0167		mg/Kg		83	79 - 121	12	30
2-Butanone (MEK)	0.100	0.0885		mg/Kg		89	61 - 140	12	30
2-Hexanone	0.100	0.0790		mg/Kg		79	78 - 120	13	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0799		mg/Kg		80	80 - 120	14	30
Acetone	0.100	0.0837		mg/Kg		84	75 - 120	11	30
Benzene	0.0200	0.0177		mg/Kg		88	75 - 127	11	30
Bromoform	0.0200	0.0146		mg/Kg		73	19 - 150	9	30
Bromomethane	0.0200	0.0240		mg/Kg		120	59 - 136	2	30
Carbon disulfide	0.0200	0.0163		mg/Kg		82	74 - 130	11	30
Carbon tetrachloride	0.0200	0.0163		mg/Kg		81	77 - 138	14	30
Chlorobenzene	0.0200	0.0176		mg/Kg		88	80 - 120	12	30
Chlorobromomethane	0.0200	0.0191		mg/Kg		96	80 - 125	9	30
Chlorodibromomethane	0.0200	0.0150		mg/Kg		75	67 - 143	14	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-670701/4
Matrix: Solid
Analysis Batch: 670701

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	0.0200	0.0261		mg/Kg		130	50 - 139	2	30
Chloroform	0.0200	0.0163		mg/Kg		81	80 - 122	12	30
Chloromethane	0.0200	0.0189		mg/Kg		95	66 - 128	2	30
cis-1,2-Dichloroethene	0.0200	0.0182		mg/Kg		91	80 - 123	12	30
cis-1,3-Dichloropropene	0.0200	0.0165		mg/Kg		83	75 - 124	11	30
Cyclohexane	0.0200	0.0189		mg/Kg		94	67 - 135	12	30
Dichlorobromomethane	0.0200	0.0148	*	mg/Kg		74	76 - 129	10	30
Dichlorodifluoromethane	0.0200	0.0246		mg/Kg		123	72 - 127	0	30
Ethylbenzene	0.0200	0.0177		mg/Kg		89	79 - 124	11	30
Ethylene Dibromide	0.0200	0.0166		mg/Kg		83	80 - 122	12	30
Isopropylbenzene	0.0200	0.0175		mg/Kg		87	80 - 125	10	30
Methyl acetate	0.0400	0.0322		mg/Kg		80	73 - 123	13	30
Methyl tert-butyl ether	0.0200	0.0172		mg/Kg		86	80 - 120	11	30
Methylcyclohexane	0.0200	0.0186		mg/Kg		93	71 - 137	11	30
Methylene Chloride	0.0200	0.0181		mg/Kg		91	79 - 128	12	30
m-Xylene & p-Xylene	0.0200	0.0177		mg/Kg		88	79 - 121	10	30
o-Xylene	0.0200	0.0174		mg/Kg		87	79 - 123	12	30
Styrene	0.0200	0.0169		mg/Kg		84	78 - 123	11	30
Tetrachloroethene	0.0200	0.0188		mg/Kg		94	73 - 130	11	30
Toluene	0.0200	0.0170		mg/Kg		85	75 - 122	12	30
trans-1,2-Dichloroethene	0.0200	0.0187		mg/Kg		94	80 - 129	13	30
trans-1,3-Dichloropropene	0.0200	0.0151		mg/Kg		75	72 - 121	11	30
Trichloroethene	0.0200	0.0177		mg/Kg		89	79 - 122	11	30
Trichlorofluoromethane	0.0200	0.0250		mg/Kg		125	68 - 136	3	30
Vinyl chloride	0.0200	0.0207		mg/Kg		104	70 - 134	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*78 - 135*
4-Bromofluorobenzene	*101*		*67 - 126*
Dibromofluoromethane (Surr)	*103*		*61 - 149*
Toluene-d8 (Surr)	*103*		*73 - 121*

Lab Sample ID: LB3 460-670722/1-A
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670722

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg		01/25/20 18:18	01/28/20 21:49	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LB3 460-670722/1-A
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670722

Analyte	LB3 Result	LB3 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg		01/25/20 18:18	01/28/20 21:49	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg		01/25/20 18:18	01/28/20 21:49	1

Surrogate	*LB3 %Recovery*	*LB3 Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*83*		*78 - 135*	*01/25/20 18:18*	*01/28/20 21:49*	*1*
4-Bromofluorobenzene	*95*		*67 - 126*	*01/25/20 18:18*	*01/28/20 21:49*	*1*
Dibromofluoromethane (Surr)	*93*		*61 - 149*	*01/25/20 18:18*	*01/28/20 21:49*	*1*
Toluene-d8 (Surr)	*99*		*73 - 121*	*01/25/20 18:18*	*01/28/20 21:49*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670762/7
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/26/20 08:59	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/26/20 08:59	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/26/20 08:59	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/26/20 08:59	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/26/20 08:59	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/26/20 08:59	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/26/20 08:59	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/26/20 08:59	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/26/20 08:59	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/26/20 08:59	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/26/20 08:59	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/26/20 08:59	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/26/20 08:59	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/26/20 08:59	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/26/20 08:59	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/26/20 08:59	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/26/20 08:59	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/26/20 08:59	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/26/20 08:59	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/26/20 08:59	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/26/20 08:59	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/26/20 08:59	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/26/20 08:59	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/26/20 08:59	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/26/20 08:59	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/26/20 08:59	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/26/20 08:59	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/26/20 08:59	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/26/20 08:59	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/26/20 08:59	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/26/20 08:59	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/26/20 08:59	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/26/20 08:59	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/26/20 08:59	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/26/20 08:59	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/26/20 08:59	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/26/20 08:59	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/26/20 08:59	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/26/20 08:59	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/26/20 08:59	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/26/20 08:59	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/26/20 08:59	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/26/20 08:59	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/26/20 08:59	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/26/20 08:59	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/26/20 08:59	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/26/20 08:59	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/26/20 08:59	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670762/7
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/26/20 08:59	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/26/20 08:59	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/26/20 08:59	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*78 - 135*		*01/26/20 08:59*	*1*
4-Bromofluorobenzene	*98*		*67 - 126*		*01/26/20 08:59*	*1*
Dibromofluoromethane (Surr)	*106*		*61 - 149*		*01/26/20 08:59*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/26/20 08:59*	*1*

Lab Sample ID: LCS 460-670762/3
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0183		mg/Kg		92	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0167		mg/Kg		84	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0226		mg/Kg		113	78 - 132
1,1,2-Trichloroethane	0.0200	0.0182		mg/Kg		91	76 - 124
1,1-Dichloroethane	0.0200	0.0205		mg/Kg		102	80 - 124
1,1-Dichloroethene	0.0200	0.0215		mg/Kg		107	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0188		mg/Kg		94	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0168		mg/Kg		84	65 - 129
1,2-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	80 - 121
1,2-Dichloroethane	0.0200	0.0176		mg/Kg		88	68 - 120
1,2-Dichloropropane	0.0200	0.0189		mg/Kg		95	77 - 124
1,3-Dichlorobenzene	0.0200	0.0181		mg/Kg		91	79 - 124
1,4-Dichlorobenzene	0.0200	0.0180		mg/Kg		90	79 - 121
2-Butanone (MEK)	0.100	0.0941		mg/Kg		94	61 - 140
2-Hexanone	0.100	0.0800		mg/Kg		80	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0818		mg/Kg		82	80 - 120
Acetone	0.100	0.0918		mg/Kg		92	75 - 120
Benzene	0.0200	0.0195		mg/Kg		98	75 - 127
Bromoform	0.0200	0.0152		mg/Kg		76	19 - 150
Bromomethane	0.0200	0.0206		mg/Kg		103	59 - 136
Carbon disulfide	0.0200	0.0176		mg/Kg		88	74 - 130
Carbon tetrachloride	0.0200	0.0187		mg/Kg		94	77 - 138
Chlorobenzene	0.0200	0.0194		mg/Kg		97	80 - 120
Chlorobromomethane	0.0200	0.0211		mg/Kg		105	80 - 125
Chlorodibromomethane	0.0200	0.0167		mg/Kg		83	67 - 143
Chloroethane	0.0200	0.0236		mg/Kg		118	50 - 139
Chloroform	0.0200	0.0182		mg/Kg		91	80 - 122
Chloromethane	0.0200	0.0184		mg/Kg		92	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0206		mg/Kg		103	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0179		mg/Kg		89	75 - 124
Cyclohexane	0.0200	0.0207		mg/Kg		103	67 - 135
Dichlorobromomethane	0.0200	0.0161		mg/Kg		80	76 - 129

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670762/3
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0200	0.0248		mg/Kg		124	72 - 127
Ethylbenzene	0.0200	0.0194		mg/Kg		97	79 - 124
Ethylene Dibromide	0.0200	0.0178		mg/Kg		89	80 - 122
Isopropylbenzene	0.0200	0.0197		mg/Kg		98	80 - 125
Methyl acetate	0.0400	0.0377		mg/Kg		94	73 - 123
Methyl tert-butyl ether	0.0200	0.0199		mg/Kg		99	80 - 120
Methylcyclohexane	0.0200	0.0206		mg/Kg		103	71 - 137
Methylene Chloride	0.0200	0.0209		mg/Kg		104	79 - 128
m-Xylene & p-Xylene	0.0200	0.0196		mg/Kg		98	79 - 121
o-Xylene	0.0200	0.0197		mg/Kg		98	79 - 123
Styrene	0.0200	0.0179		mg/Kg		90	78 - 123
Tetrachloroethene	0.0200	0.0205		mg/Kg		103	73 - 130
Toluene	0.0200	0.0190		mg/Kg		95	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0210		mg/Kg		105	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0163		mg/Kg		81	72 - 121
Trichloroethene	0.0200	0.0190		mg/Kg		95	79 - 122
Trichlorofluoromethane	0.0200	0.0228		mg/Kg		114	68 - 136
Vinyl chloride	0.0200	0.0201		mg/Kg		100	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*
4-Bromofluorobenzene	*101*		*67 - 126*
Dibromofluoromethane (Surr)	*108*		*61 - 149*
Toluene-d8 (Surr)	*107*		*73 - 121*

Lab Sample ID: LCSD 460-670762/4
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0190		mg/Kg		95	80 - 125	4	30
1,1,2,2-Tetrachloroethane	0.0200	0.0177		mg/Kg		89	72 - 131	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0234		mg/Kg		117	78 - 132	3	30
1,1,2-Trichloroethane	0.0200	0.0197		mg/Kg		99	76 - 124	8	30
1,1-Dichloroethane	0.0200	0.0217		mg/Kg		108	80 - 124	6	30
1,1-Dichloroethene	0.0200	0.0224		mg/Kg		112	79 - 132	4	30
1,2,3-Trichlorobenzene	0.0200	0.0202		mg/Kg		101	75 - 123	6	30
1,2,4-Trichlorobenzene	0.0200	0.0200		mg/Kg		100	74 - 124	7	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0168		mg/Kg		84	65 - 129	0	30
1,2-Dichlorobenzene	0.0200	0.0193		mg/Kg		97	80 - 121	6	30
1,2-Dichloroethane	0.0200	0.0188		mg/Kg		94	68 - 120	6	30
1,2-Dichloropropane	0.0200	0.0202		mg/Kg		101	77 - 124	6	30
1,3-Dichlorobenzene	0.0200	0.0195		mg/Kg		97	79 - 124	7	30
1,4-Dichlorobenzene	0.0200	0.0191		mg/Kg		96	79 - 121	6	30
2-Butanone (MEK)	0.100	0.105		mg/Kg		105	61 - 140	11	30
2-Hexanone	0.100	0.0866		mg/Kg		87	78 - 120	8	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0920		mg/Kg		92	80 - 120	12	30
Acetone	0.100	0.0990		mg/Kg		99	75 - 120	8	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-670762/4
Matrix: Solid
Analysis Batch: 670762

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0200	0.0210		mg/Kg		105	75 - 127	7	30
Bromoform			0.0200	0.0168		mg/Kg		84	19 - 150	10	30
Bromomethane			0.0200	0.0209		mg/Kg		105	59 - 136	2	30
Carbon disulfide			0.0200	0.0187		mg/Kg		93	74 - 130	6	30
Carbon tetrachloride			0.0200	0.0202		mg/Kg		101	77 - 138	7	30
Chlorobenzene			0.0200	0.0207		mg/Kg		104	80 - 120	7	30
Chlorobromomethane			0.0200	0.0232		mg/Kg		116	80 - 125	10	30
Chlorodibromomethane			0.0200	0.0182		mg/Kg		91	67 - 143	9	30
Chloroethane			0.0200	0.0230		mg/Kg		115	50 - 139	3	30
Chloroform			0.0200	0.0193		mg/Kg		97	80 - 122	6	30
Chloromethane			0.0200	0.0184		mg/Kg		92	66 - 128	0	30
cis-1,2-Dichloroethene			0.0200	0.0217		mg/Kg		108	80 - 123	5	30
cis-1,3-Dichloropropene			0.0200	0.0191		mg/Kg		96	75 - 124	7	30
Cyclohexane			0.0200	0.0224		mg/Kg		112	67 - 135	8	30
Dichlorobromomethane			0.0200	0.0174		mg/Kg		87	76 - 129	8	30
Dichlorodifluoromethane			0.0200	0.0254		mg/Kg		127	72 - 127	2	30
Ethylbenzene			0.0200	0.0207		mg/Kg		103	79 - 124	6	30
Ethylene Dibromide			0.0200	0.0193		mg/Kg		97	80 - 122	8	30
Isopropylbenzene			0.0200	0.0213		mg/Kg		107	80 - 125	8	30
Methyl acetate			0.0400	0.0386		mg/Kg		97	73 - 123	2	30
Methyl tert-butyl ether			0.0200	0.0209		mg/Kg		105	80 - 120	5	30
Methylcyclohexane			0.0200	0.0218		mg/Kg		109	71 - 137	6	30
Methylene Chloride			0.0200	0.0220		mg/Kg		110	79 - 128	5	30
m-Xylene & p-Xylene			0.0200	0.0208		mg/Kg		104	79 - 121	6	30
o-Xylene			0.0200	0.0210		mg/Kg		105	79 - 123	6	30
Styrene			0.0200	0.0195		mg/Kg		98	78 - 123	8	30
Tetrachloroethene			0.0200	0.0222		mg/Kg		111	73 - 130	8	30
Toluene			0.0200	0.0209		mg/Kg		104	75 - 122	10	30
trans-1,2-Dichloroethene			0.0200	0.0218		mg/Kg		109	80 - 129	4	30
trans-1,3-Dichloropropene			0.0200	0.0176		mg/Kg		88	72 - 121	8	30
Trichloroethene			0.0200	0.0203		mg/Kg		101	79 - 122	6	30
Trichlorofluoromethane			0.0200	0.0221		mg/Kg		110	68 - 136	3	30
Vinyl chloride			0.0200	0.0198		mg/Kg		99	70 - 134	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 135*
4-Bromofluorobenzene	*99*		*67 - 126*
Dibromofluoromethane (Surr)	*108*		*61 - 149*
Toluene-d8 (Surr)	*109*		*73 - 121*

Lab Sample ID: MB 460-670776/9
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/26/20 09:53	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/26/20 09:53	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/26/20 09:53	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-670776/9
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 09:53	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/26/20 09:53	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/26/20 09:53	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/26/20 09:53	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/26/20 09:53	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/26/20 09:53	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/26/20 09:53	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/26/20 09:53	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/26/20 09:53	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/26/20 09:53	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/26/20 09:53	1
1,4-Dioxane	28	U	50	28	ug/L			01/26/20 09:53	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/26/20 09:53	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/26/20 09:53	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/26/20 09:53	1
Acetone	4.4	U	5.0	4.4	ug/L			01/26/20 09:53	1
Benzene	0.20	U	1.0	0.20	ug/L			01/26/20 09:53	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/26/20 09:53	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/26/20 09:53	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/26/20 09:53	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/26/20 09:53	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/26/20 09:53	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/26/20 09:53	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/26/20 09:53	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/26/20 09:53	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/26/20 09:53	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/26/20 09:53	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/26/20 09:53	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/26/20 09:53	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/26/20 09:53	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/26/20 09:53	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/26/20 09:53	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/26/20 09:53	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/26/20 09:53	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/26/20 09:53	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/26/20 09:53	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/26/20 09:53	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/26/20 09:53	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/26/20 09:53	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/26/20 09:53	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/26/20 09:53	1
Styrene	0.42	U	1.0	0.42	ug/L			01/26/20 09:53	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/26/20 09:53	1
Toluene	0.38	U	1.0	0.38	ug/L			01/26/20 09:53	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/26/20 09:53	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/26/20 09:53	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/26/20 09:53	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/26/20 09:53	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/26/20 09:53	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	84		74 - 132		01/26/20 09:53	1
4-Bromofluorobenzene	85		77 - 124		01/26/20 09:53	1
Dibromofluoromethane (Surr)	88		72 - 131		01/26/20 09:53	1
Toluene-d8 (Surr)	90		80 - 120		01/26/20 09:53	1

Lab Sample ID: LCS 460-670776/4
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.6		ug/L		108	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.2		ug/L		81	59 - 150
1,1,2-Trichloroethane	20.0	20.8		ug/L		104	78 - 120
1,1-Dichloroethane	20.0	16.8		ug/L		84	77 - 123
1,1-Dichloroethene	20.0	17.6		ug/L		88	74 - 123
1,2,3-Trichlorobenzene	20.0	22.2		ug/L		111	78 - 131
1,2,4-Trichlorobenzene	20.0	21.4		ug/L		107	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	55 - 134
1,2-Dichlorobenzene	20.0	21.1		ug/L		105	80 - 120
1,2-Dichloroethane	20.0	18.6		ug/L		93	76 - 121
1,2-Dichloropropane	20.0	21.5		ug/L		107	77 - 123
1,3-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,4-Dichlorobenzene	20.0	20.5		ug/L		103	80 - 120
1,4-Dioxane	400	416		ug/L		104	10 - 150
2-Butanone (MEK)	100	108		ug/L		108	64 - 120
2-Hexanone	100	128	*	ug/L		128	71 - 125
4-Methyl-2-pentanone (MIBK)	100	129	*	ug/L		129	78 - 124
Acetone	100	86.4		ug/L		86	39 - 150
Benzene	20.0	19.1		ug/L		95	77 - 121
Bromoform	20.0	19.1		ug/L		95	53 - 120
Bromomethane	20.0	16.1		ug/L		80	10 - 150
Carbon disulfide	20.0	16.9		ug/L		85	69 - 133
Carbon tetrachloride	20.0	17.7		ug/L		89	70 - 132
Chlorobenzene	20.0	20.1		ug/L		101	80 - 120
Chlorobromomethane	20.0	19.4		ug/L		97	77 - 127
Chlorodibromomethane	20.0	19.3		ug/L		97	73 - 120
Chloroethane	20.0	16.7		ug/L		83	52 - 150
Chloroform	20.0	18.1		ug/L		90	80 - 120
Chloromethane	20.0	17.9		ug/L		89	56 - 131
cis-1,2-Dichloroethene	20.0	18.3		ug/L		92	80 - 120
cis-1,3-Dichloropropene	20.0	20.6		ug/L		103	77 - 120
Cyclohexane	20.0	18.7		ug/L		93	56 - 150
Dichlorobromomethane	20.0	19.9		ug/L		99	76 - 120
Dichlorodifluoromethane	20.0	11.5		ug/L		57	50 - 131
Ethylbenzene	20.0	20.0		ug/L		100	80 - 120
Ethylene Dibromide	20.0	19.6		ug/L		98	80 - 120
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 123
Methyl acetate	40.0	27.2		ug/L		68	66 - 144
Methyl tert-butyl ether	20.0	16.9		ug/L		84	79 - 122
Methylcyclohexane	20.0	19.6		ug/L		98	61 - 145

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670776/4
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	17.3		ug/L		86	77 - 123
m-Xylene & p-Xylene	20.0	20.4		ug/L		102	80 - 120
o-Xylene	20.0	20.9		ug/L		104	80 - 120
Styrene	20.0	21.9		ug/L		109	80 - 120
Tetrachloroethene	20.0	19.3		ug/L		97	78 - 122
Toluene	20.0	20.6		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	18.2		ug/L		91	79 - 120
trans-1,3-Dichloropropene	20.0	20.0		ug/L		100	76 - 120
Trichloroethene	20.0	19.9		ug/L		99	77 - 120
Trichlorofluoromethane	20.0	13.7	*	ug/L		68	71 - 143
Vinyl chloride	20.0	18.1		ug/L		90	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*74 - 132*
4-Bromofluorobenzene	*96*		*77 - 124*
Dibromofluoromethane (Surr)	*91*		*72 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: 460-201494-A-4 MS
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.24	U	20.0	18.3		ug/L		92	75 - 125
1,1,2,2-Tetrachloroethane	0.37	U	20.0	20.9		ug/L		105	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	16.8		ug/L		84	59 - 150
1,1,2-Trichloroethane	0.43	U	20.0	20.9		ug/L		105	78 - 120
1,1-Dichloroethane	3.8		20.0	19.2		ug/L		77	77 - 123
1,1-Dichloroethene	0.26	U	20.0	17.7		ug/L		88	74 - 123
1,2,3-Trichlorobenzene	0.36	U	20.0	18.3		ug/L		92	78 - 131
1,2,4-Trichlorobenzene	0.37	U	20.0	17.8		ug/L		89	80 - 124
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	19.0		ug/L		95	55 - 134
1,2-Dichlorobenzene	0.43	U	20.0	19.6		ug/L		98	80 - 120
1,2-Dichloroethane	0.43	U	20.0	20.0		ug/L		100	76 - 121
1,2-Dichloropropane	0.35	U	20.0	21.7		ug/L		109	77 - 123
1,3-Dichlorobenzene	0.34	U	20.0	19.0		ug/L		95	80 - 120
1,4-Dichlorobenzene	0.33	U	20.0	19.5		ug/L		97	80 - 120
1,4-Dioxane	28	U	400	419		ug/L		105	10 - 150
2-Butanone (MEK)	1.9	U	100	114		ug/L		114	64 - 120
2-Hexanone	1.1	U F1 *	100	135	F1	ug/L		135	71 - 125
4-Methyl-2-pentanone (MIBK)	1.3	U F1 *	100	132	F1	ug/L		132	78 - 124
Acetone	6.5		100	90.7		ug/L		84	39 - 150
Benzene	2.0		20.0	22.4		ug/L		102	77 - 121
Bromoform	0.54	U	20.0	19.4		ug/L		97	53 - 120
Bromomethane	0.55	U	20.0	12.4		ug/L		62	10 - 150
Carbon disulfide	0.82	U	20.0	17.2		ug/L		86	69 - 133
Carbon tetrachloride	0.21	U	20.0	18.3		ug/L		91	70 - 132
Chlorobenzene	4.1		20.0	23.1		ug/L		95	80 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-201494-A-4 MS
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chlorobromomethane	0.41	U	20.0	20.5		ug/L		102	77 - 127
Chlorodibromomethane	0.28	U	20.0	19.1		ug/L		95	73 - 120
Chloroethane	0.42	J	20.0	17.1		ug/L		83	52 - 150
Chloroform	0.33	U	20.0	18.9		ug/L		94	80 - 120
Chloromethane	0.40	U	20.0	18.0		ug/L		90	56 - 131
cis-1,2-Dichloroethene	1.2		20.0	19.1		ug/L		90	80 - 120
cis-1,3-Dichloropropene	0.22	U	20.0	19.3		ug/L		96	77 - 120
Cyclohexane	0.32	U	20.0	17.9		ug/L		90	56 - 150
Dichlorobromomethane	0.34	U	20.0	20.6		ug/L		103	76 - 120
Dichlorodifluoromethane	0.31	U	20.0	11.2		ug/L		56	50 - 131
Ethylbenzene	0.35	J	20.0	19.5		ug/L		96	80 - 120
Ethylene Dibromide	0.50	U	20.0	20.4		ug/L		102	80 - 120
Isopropylbenzene	0.34	U	20.0	19.7		ug/L		98	80 - 123
Methyl acetate	0.79	U	40.0	27.5		ug/L		69	66 - 144
Methyl tert-butyl ether	0.47	U	20.0	17.5		ug/L		87	79 - 122
Methylcyclohexane	0.26	U	20.0	18.8		ug/L		94	61 - 145
Methylene Chloride	0.32	U	20.0	18.0		ug/L		90	77 - 123
m-Xylene & p-Xylene	0.30	U	20.0	19.8		ug/L		99	80 - 120
o-Xylene	0.36	U	20.0	20.0		ug/L		100	80 - 120
Styrene	0.42	U	20.0	21.2		ug/L		106	80 - 120
Tetrachloroethene	0.25	U	20.0	18.9		ug/L		95	78 - 122
Toluene	0.54	J	20.0	20.6		ug/L		100	80 - 120
trans-1,2-Dichloroethene	0.24	U	20.0	18.4		ug/L		92	79 - 120
trans-1,3-Dichloropropene	0.49	U	20.0	18.9		ug/L		95	76 - 120
Trichloroethene	0.73	J	20.0	20.7		ug/L		100	77 - 120
Trichlorofluoromethane	0.32	U F1 *	20.0	13.7	F1	ug/L		69	71 - 143
Vinyl chloride	1.6		20.0	18.1		ug/L		82	62 - 138

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*
4-Bromofluorobenzene	*93*		*77 - 124*
Dibromofluoromethane (Surr)	*90*		*72 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Lab Sample ID: 460-201494-A-4 MSD
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.24	U	20.0	18.5		ug/L		93	75 - 125	1	30
1,1,2,2-Tetrachloroethane	0.37	U	20.0	22.9		ug/L		115	74 - 120	9	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	20.0	16.6		ug/L		83	59 - 150	1	30
1,1,2-Trichloroethane	0.43	U	20.0	21.5		ug/L		107	78 - 120	3	30
1,1-Dichloroethane	3.8		20.0	19.4		ug/L		78	77 - 123	1	30
1,1-Dichloroethene	0.26	U	20.0	18.1		ug/L		91	74 - 123	2	30
1,2,3-Trichlorobenzene	0.36	U	20.0	21.9		ug/L		109	78 - 131	18	30
1,2,4-Trichlorobenzene	0.37	U	20.0	20.3		ug/L		101	80 - 124	13	30
1,2-Dibromo-3-Chloropropane	0.38	U	20.0	21.0		ug/L		105	55 - 134	10	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-201494-A-4 MSD
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichlorobenzene	0.43	U	20.0	21.0		ug/L		105	80 - 120	7	30
1,2-Dichloroethane	0.43	U	20.0	20.0		ug/L		100	76 - 121	0	30
1,2-Dichloropropane	0.35	U	20.0	21.4		ug/L		107	77 - 123	1	30
1,3-Dichlorobenzene	0.34	U	20.0	20.4		ug/L		102	80 - 120	7	30
1,4-Dichlorobenzene	0.33	U	20.0	20.9		ug/L		104	80 - 120	7	30
1,4-Dioxane	28	U	400	435		ug/L		109	10 - 150	4	30
2-Butanone (MEK)	1.9	U	100	110		ug/L		110	64 - 120	4	30
2-Hexanone	1.1	U F1 *	100	135	F1	ug/L		135	71 - 125	0	30
4-Methyl-2-pentanone (MIBK)	1.3	U F1 *	100	133	F1	ug/L		133	78 - 124	0	30
Acetone	6.5		100	90.9		ug/L		84	39 - 150	0	30
Benzene	2.0		20.0	22.4		ug/L		102	77 - 121	0	30
Bromoform	0.54	U	20.0	20.8		ug/L		104	53 - 120	7	30
Bromomethane	0.55	U	20.0	14.2		ug/L		71	10 - 150	14	30
Carbon disulfide	0.82	U	20.0	17.6		ug/L		88	69 - 133	2	30
Carbon tetrachloride	0.21	U	20.0	18.7		ug/L		93	70 - 132	2	30
Chlorobenzene	4.1		20.0	23.8		ug/L		98	80 - 120	3	30
Chlorobromomethane	0.41	U	20.0	20.2		ug/L		101	77 - 127	1	30
Chlorodibromomethane	0.28	U	20.0	20.0		ug/L		100	73 - 120	5	30
Chloroethane	0.42	J	20.0	17.3		ug/L		85	52 - 150	2	30
Chloroform	0.33	U	20.0	18.8		ug/L		94	80 - 120	0	30
Chloromethane	0.40	U	20.0	18.0		ug/L		90	56 - 131	0	30
cis-1,2-Dichloroethene	1.2		20.0	19.4		ug/L		91	80 - 120	2	30
cis-1,3-Dichloropropene	0.22	U	20.0	20.5		ug/L		102	77 - 120	6	30
Cyclohexane	0.32	U	20.0	18.6		ug/L		93	56 - 150	4	30
Dichlorobromomethane	0.34	U	20.0	20.2		ug/L		101	76 - 120	2	30
Dichlorodifluoromethane	0.31	U	20.0	11.4		ug/L		57	50 - 131	2	30
Ethylbenzene	0.35	J	20.0	20.7		ug/L		102	80 - 120	6	30
Ethylene Dibromide	0.50	U	20.0	20.5		ug/L		103	80 - 120	1	30
Isopropylbenzene	0.34	U	20.0	20.7		ug/L		104	80 - 123	5	30
Methyl acetate	0.79	U	40.0	27.5		ug/L		69	66 - 144	0	30
Methyl tert-butyl ether	0.47	U	20.0	17.5		ug/L		88	79 - 122	0	30
Methylcyclohexane	0.26	U	20.0	19.3		ug/L		96	61 - 145	3	30
Methylene Chloride	0.32	U	20.0	17.6		ug/L		88	77 - 123	2	30
m-Xylene & p-Xylene	0.30	U	20.0	20.6		ug/L		103	80 - 120	4	30
o-Xylene	0.36	U	20.0	21.2		ug/L		106	80 - 120	6	30
Styrene	0.42	U	20.0	22.3		ug/L		112	80 - 120	5	30
Tetrachloroethene	0.25	U	20.0	20.0		ug/L		100	78 - 122	5	30
Toluene	0.54	J	20.0	21.3		ug/L		104	80 - 120	3	30
trans-1,2-Dichloroethene	0.24	U	20.0	18.5		ug/L		93	79 - 120	1	30
trans-1,3-Dichloropropene	0.49	U	20.0	20.1		ug/L		101	76 - 120	6	30
Trichloroethene	0.73	J	20.0	21.0		ug/L		101	77 - 120	1	30
Trichlorofluoromethane	0.32	U F1 *	20.0	14.1		ug/L		71	71 - 143	3	30
Vinyl chloride	1.6		20.0	19.6		ug/L		90	62 - 138	8	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*
4-Bromofluorobenzene	*96*		*77 - 124*
Dibromofluoromethane (Surr)	*90*		*72 - 131*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-201494-A-4 MSD
Matrix: Water
Analysis Batch: 670776

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Toluene-d8 (Surr)	101		80 - 120

Lab Sample ID: MB 460-671329/9
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/29/20 00:00	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/29/20 00:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/29/20 00:00	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/29/20 00:00	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/29/20 00:00	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/29/20 00:00	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/29/20 00:00	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/29/20 00:00	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/29/20 00:00	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/29/20 00:00	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/29/20 00:00	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/29/20 00:00	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/29/20 00:00	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/29/20 00:00	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/29/20 00:00	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/29/20 00:00	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/29/20 00:00	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/29/20 00:00	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/29/20 00:00	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/29/20 00:00	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/29/20 00:00	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/29/20 00:00	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/29/20 00:00	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/29/20 00:00	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/29/20 00:00	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/29/20 00:00	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/29/20 00:00	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/29/20 00:00	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/29/20 00:00	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/29/20 00:00	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/29/20 00:00	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/29/20 00:00	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/29/20 00:00	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/29/20 00:00	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/29/20 00:00	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/29/20 00:00	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/29/20 00:00	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/29/20 00:00	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/29/20 00:00	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/29/20 00:00	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/29/20 00:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671329/9
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/29/20 00:00	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/29/20 00:00	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/29/20 00:00	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/29/20 00:00	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/29/20 00:00	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/29/20 00:00	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/29/20 00:00	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/29/20 00:00	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/29/20 00:00	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/29/20 00:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*87*		*78 - 135*		*01/29/20 00:00*	*1*
4-Bromofluorobenzene	*112*		*67 - 126*		*01/29/20 00:00*	*1*
Dibromofluoromethane (Surr)	*99*		*61 - 149*		*01/29/20 00:00*	*1*
Toluene-d8 (Surr)	*92*		*73 - 121*		*01/29/20 00:00*	*1*

Lab Sample ID: LCS 460-671329/5
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0194		mg/Kg		97	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0178		mg/Kg		89	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0189		mg/Kg		94	78 - 132
1,1,2-Trichloroethane	0.0200	0.0178		mg/Kg		89	76 - 124
1,1-Dichloroethane	0.0200	0.0182		mg/Kg		91	80 - 124
1,1-Dichloroethene	0.0200	0.0199		mg/Kg		100	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0208		mg/Kg		104	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0216		mg/Kg		108	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0203		mg/Kg		101	65 - 129
1,2-Dichlorobenzene	0.0200	0.0197		mg/Kg		98	80 - 121
1,2-Dichloroethane	0.0200	0.0159		mg/Kg		79	68 - 120
1,2-Dichloropropane	0.0200	0.0184		mg/Kg		92	77 - 124
1,3-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	79 - 124
1,4-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	79 - 121
2-Butanone (MEK)	0.100	0.0915		mg/Kg		91	61 - 140
2-Hexanone	0.100	0.0906		mg/Kg		91	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0964		mg/Kg		96	80 - 120
Acetone	0.100	0.0815		mg/Kg		81	75 - 120
Benzene	0.0200	0.0186		mg/Kg		93	75 - 127
Bromoform	0.0200	0.0200		mg/Kg		100	19 - 150
Bromomethane	0.0200	0.0186		mg/Kg		93	59 - 136
Carbon disulfide	0.0200	0.0182		mg/Kg		91	74 - 130
Carbon tetrachloride	0.0200	0.0198		mg/Kg		99	77 - 138
Chlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0202		mg/Kg		101	80 - 125
Chlorodibromomethane	0.0200	0.0155		mg/Kg		78	67 - 143

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671329/5
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0200	0.0185		mg/Kg		92	50 - 139
Chloroform	0.0200	0.0187		mg/Kg		93	80 - 122
Chloromethane	0.0200	0.0167		mg/Kg		84	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0167		mg/Kg		83	75 - 124
Cyclohexane	0.0200	0.0189		mg/Kg		95	67 - 135
Dichlorobromomethane	0.0200	0.0179		mg/Kg		89	76 - 129
Dichlorodifluoromethane	0.0200	0.0183		mg/Kg		91	72 - 127
Ethylbenzene	0.0200	0.0186		mg/Kg		93	79 - 124
Ethylene Dibromide	0.0200	0.0188		mg/Kg		94	80 - 122
Isopropylbenzene	0.0200	0.0188		mg/Kg		94	80 - 125
Methyl acetate	0.0400	0.0365		mg/Kg		91	73 - 123
Methyl tert-butyl ether	0.0200	0.0174		mg/Kg		87	80 - 120
Methylcyclohexane	0.0200	0.0165		mg/Kg		82	71 - 137
Methylene Chloride	0.0200	0.0184		mg/Kg		92	79 - 128
m-Xylene & p-Xylene	0.0200	0.0180		mg/Kg		90	79 - 121
o-Xylene	0.0200	0.0185		mg/Kg		93	79 - 123
Styrene	0.0200	0.0182		mg/Kg		91	78 - 123
Tetrachloroethene	0.0200	0.0221		mg/Kg		111	73 - 130
Toluene	0.0200	0.0180		mg/Kg		90	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0197		mg/Kg		99	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0164		mg/Kg		82	72 - 121
Trichloroethene	0.0200	0.0199		mg/Kg		99	79 - 122
Trichlorofluoromethane	0.0200	0.0193		mg/Kg		96	68 - 136
Vinyl chloride	0.0200	0.0180		mg/Kg		90	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*78 - 135*
4-Bromofluorobenzene	*109*		*67 - 126*
Dibromofluoromethane (Surr)	*101*		*61 - 149*
Toluene-d8 (Surr)	*94*		*73 - 121*

Lab Sample ID: LCSD 460-671329/6
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0172		mg/Kg		86	80 - 125	12	30
1,1,2,2-Tetrachloroethane	0.0200	0.0168		mg/Kg		84	72 - 131	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0153	*	mg/Kg		76	78 - 132	21	30
1,1,2-Trichloroethane	0.0200	0.0170		mg/Kg		85	76 - 124	5	30
1,1-Dichloroethane	0.0200	0.0168		mg/Kg		84	80 - 124	8	30
1,1-Dichloroethene	0.0200	0.0168		mg/Kg		84	79 - 132	17	30
1,2,3-Trichlorobenzene	0.0200	0.0186		mg/Kg		93	75 - 123	11	30
1,2,4-Trichlorobenzene	0.0200	0.0192		mg/Kg		96	74 - 124	11	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0187		mg/Kg		93	65 - 129	8	30
1,2-Dichlorobenzene	0.0200	0.0183		mg/Kg		91	80 - 121	7	30
1,2-Dichloroethane	0.0200	0.0153		mg/Kg		77	68 - 120	3	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671329/6
Matrix: Solid
Analysis Batch: 671329

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	0.0200	0.0172		mg/Kg		86	77 - 124	7	30
1,3-Dichlorobenzene	0.0200	0.0184		mg/Kg		92	79 - 124	8	30
1,4-Dichlorobenzene	0.0200	0.0182		mg/Kg		91	79 - 121	9	30
2-Butanone (MEK)	0.100	0.0907		mg/Kg		91	61 - 140	1	30
2-Hexanone	0.100	0.0895		mg/Kg		90	78 - 120	1	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0962		mg/Kg		96	80 - 120	0	30
Acetone	0.100	0.0770		mg/Kg		77	75 - 120	6	30
Benzene	0.0200	0.0170		mg/Kg		85	75 - 127	9	30
Bromoform	0.0200	0.0188		mg/Kg		94	19 - 150	6	30
Bromomethane	0.0200	0.0201		mg/Kg		100	59 - 136	8	30
Carbon disulfide	0.0200	0.0157		mg/Kg		79	74 - 130	15	30
Carbon tetrachloride	0.0200	0.0166		mg/Kg		83	77 - 138	18	30
Chlorobenzene	0.0200	0.0174		mg/Kg		87	80 - 120	8	30
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	80 - 125	6	30
Chlorodibromomethane	0.0200	0.0147		mg/Kg		74	67 - 143	6	30
Chloroethane	0.0200	0.0191		mg/Kg		95	50 - 139	3	30
Chloroform	0.0200	0.0177		mg/Kg		88	80 - 122	6	30
Chloromethane	0.0200	0.0170		mg/Kg		85	66 - 128	2	30
cis-1,2-Dichloroethene	0.0200	0.0191		mg/Kg		95	80 - 123	5	30
cis-1,3-Dichloropropene	0.0200	0.0154		mg/Kg		77	75 - 124	8	30
Cyclohexane	0.0200	0.0154		mg/Kg		77	67 - 135	20	30
Dichlorobromomethane	0.0200	0.0168		mg/Kg		84	76 - 129	6	30
Dichlorodifluoromethane	0.0200	0.0177		mg/Kg		89	72 - 127	3	30
Ethylbenzene	0.0200	0.0170		mg/Kg		85	79 - 124	9	30
Ethylene Dibromide	0.0200	0.0176		mg/Kg		88	80 - 122	6	30
Isopropylbenzene	0.0200	0.0162		mg/Kg		81	80 - 125	15	30
Methyl acetate	0.0400	0.0332		mg/Kg		83	73 - 123	10	30
Methyl tert-butyl ether	0.0200	0.0164		mg/Kg		82	80 - 120	6	30
Methylcyclohexane	0.0200	0.0133	*	mg/Kg		66	71 - 137	21	30
Methylene Chloride	0.0200	0.0171		mg/Kg		85	79 - 128	8	30
m-Xylene & p-Xylene	0.0200	0.0163		mg/Kg		81	79 - 121	10	30
o-Xylene	0.0200	0.0168		mg/Kg		84	79 - 123	10	30
Styrene	0.0200	0.0169		mg/Kg		85	78 - 123	7	30
Tetrachloroethene	0.0200	0.0191		mg/Kg		96	73 - 130	15	30
Toluene	0.0200	0.0165		mg/Kg		82	75 - 122	9	30
trans-1,2-Dichloroethene	0.0200	0.0178		mg/Kg		89	80 - 129	11	30
trans-1,3-Dichloropropene	0.0200	0.0154		mg/Kg		77	72 - 121	6	30
Trichloroethene	0.0200	0.0183		mg/Kg		92	79 - 122	8	30
Trichlorofluoromethane	0.0200	0.0191		mg/Kg		95	68 - 136	1	30
Vinyl chloride	0.0200	0.0175		mg/Kg		87	70 - 134	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*78 - 135*
4-Bromofluorobenzene	*108*		*67 - 126*
Dibromofluoromethane (Surr)	*100*		*61 - 149*
Toluene-d8 (Surr)	*93*		*73 - 121*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671360/8
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/28/20 21:20	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/28/20 21:20	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/28/20 21:20	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/28/20 21:20	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/28/20 21:20	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/28/20 21:20	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/28/20 21:20	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/28/20 21:20	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/28/20 21:20	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/28/20 21:20	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/28/20 21:20	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/28/20 21:20	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/28/20 21:20	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/28/20 21:20	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/28/20 21:20	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/28/20 21:20	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/28/20 21:20	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/28/20 21:20	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/28/20 21:20	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/28/20 21:20	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/28/20 21:20	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/28/20 21:20	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/28/20 21:20	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/28/20 21:20	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/28/20 21:20	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/28/20 21:20	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/28/20 21:20	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/28/20 21:20	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/28/20 21:20	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/28/20 21:20	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/28/20 21:20	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/28/20 21:20	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/28/20 21:20	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/28/20 21:20	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/28/20 21:20	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/28/20 21:20	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/28/20 21:20	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/28/20 21:20	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/28/20 21:20	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/28/20 21:20	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/28/20 21:20	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/28/20 21:20	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/28/20 21:20	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/28/20 21:20	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/28/20 21:20	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/28/20 21:20	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/28/20 21:20	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/28/20 21:20	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671360/8
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/28/20 21:20	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/28/20 21:20	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/28/20 21:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*78 - 135*		*01/28/20 21:20*	*1*
4-Bromofluorobenzene	*105*		*67 - 126*		*01/28/20 21:20*	*1*
Dibromofluoromethane (Surr)	*103*		*61 - 149*		*01/28/20 21:20*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/28/20 21:20*	*1*

Lab Sample ID: LCS 460-671360/4
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0182		mg/Kg		91	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0192		mg/Kg		96	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0207		mg/Kg		104	78 - 132
1,1,2-Trichloroethane	0.0200	0.0198		mg/Kg		99	76 - 124
1,1-Dichloroethane	0.0200	0.0196		mg/Kg		98	80 - 124
1,1-Dichloroethene	0.0200	0.0202		mg/Kg		101	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0190		mg/Kg		95	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0191		mg/Kg		95	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0169		mg/Kg		84	65 - 129
1,2-Dichlorobenzene	0.0200	0.0195		mg/Kg		98	80 - 121
1,2-Dichloroethane	0.0200	0.0169		mg/Kg		84	68 - 120
1,2-Dichloropropane	0.0200	0.0189		mg/Kg		94	77 - 124
1,3-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	79 - 124
1,4-Dichlorobenzene	0.0200	0.0196		mg/Kg		98	79 - 121
2-Butanone (MEK)	0.100	0.0986		mg/Kg		99	61 - 140
2-Hexanone	0.100	0.100		mg/Kg		100	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.0978		mg/Kg		98	80 - 120
Acetone	0.100	0.0954		mg/Kg		95	75 - 120
Benzene	0.0200	0.0196		mg/Kg		98	75 - 127
Bromoform	0.0200	0.0155		mg/Kg		77	19 - 150
Bromomethane	0.0200	0.0254		mg/Kg		127	59 - 136
Carbon disulfide	0.0200	0.0186		mg/Kg		93	74 - 130
Carbon tetrachloride	0.0200	0.0176		mg/Kg		88	77 - 138
Chlorobenzene	0.0200	0.0197		mg/Kg		99	80 - 120
Chlorobromomethane	0.0200	0.0190		mg/Kg		95	80 - 125
Chlorodibromomethane	0.0200	0.0159		mg/Kg		79	67 - 143
Chloroethane	0.0200	0.0228		mg/Kg		114	50 - 139
Chloroform	0.0200	0.0191		mg/Kg		95	80 - 122
Chloromethane	0.0200	0.0226		mg/Kg		113	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0184		mg/Kg		92	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0186		mg/Kg		93	75 - 124
Cyclohexane	0.0200	0.0200		mg/Kg		100	67 - 135
Dichlorobromomethane	0.0200	0.0163		mg/Kg		81	76 - 129

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671360/4
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorodifluoromethane	0.0200	0.0175		mg/Kg		88	72 - 127
Ethylbenzene	0.0200	0.0193		mg/Kg		97	79 - 124
Ethylene Dibromide	0.0200	0.0196		mg/Kg		98	80 - 122
Isopropylbenzene	0.0200	0.0202		mg/Kg		101	80 - 125
Methyl acetate	0.0400	0.0379		mg/Kg		95	73 - 123
Methyl tert-butyl ether	0.0200	0.0187		mg/Kg		94	80 - 120
Methylcyclohexane	0.0200	0.0203		mg/Kg		101	71 - 137
Methylene Chloride	0.0200	0.0196		mg/Kg		98	79 - 128
m-Xylene & p-Xylene	0.0200	0.0186		mg/Kg		93	79 - 121
o-Xylene	0.0200	0.0194		mg/Kg		97	79 - 123
Styrene	0.0200	0.0199		mg/Kg		99	78 - 123
Tetrachloroethene	0.0200	0.0202		mg/Kg		101	73 - 130
Toluene	0.0200	0.0193		mg/Kg		97	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0198		mg/Kg		99	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0172		mg/Kg		86	72 - 121
Trichloroethene	0.0200	0.0190		mg/Kg		95	79 - 122
Trichlorofluoromethane	0.0200	0.0231		mg/Kg		116	68 - 136
Vinyl chloride	0.0200	0.0226		mg/Kg		113	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*78 - 135*
4-Bromofluorobenzene	*104*		*67 - 126*
Dibromofluoromethane (Surr)	*106*		*61 - 149*
Toluene-d8 (Surr)	*108*		*73 - 121*

Lab Sample ID: LCSD 460-671360/5
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	0.0200	0.0179		mg/Kg		89	80 - 125	2	30
1,1,2,2-Tetrachloroethane	0.0200	0.0180		mg/Kg		90	72 - 131	6	30
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0203		mg/Kg		102	78 - 132	2	30
1,1,2-Trichloroethane	0.0200	0.0181		mg/Kg		90	76 - 124	9	30
1,1-Dichloroethane	0.0200	0.0193		mg/Kg		97	80 - 124	1	30
1,1-Dichloroethene	0.0200	0.0198		mg/Kg		99	79 - 132	2	30
1,2,3-Trichlorobenzene	0.0200	0.0189		mg/Kg		95	75 - 123	0	30
1,2,4-Trichlorobenzene	0.0200	0.0194		mg/Kg		97	74 - 124	2	30
1,2-Dibromo-3-Chloropropane	0.0200	0.0161		mg/Kg		81	65 - 129	5	30
1,2-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	80 - 121	4	30
1,2-Dichloroethane	0.0200	0.0170		mg/Kg		85	68 - 120	1	30
1,2-Dichloropropane	0.0200	0.0183		mg/Kg		92	77 - 124	3	30
1,3-Dichlorobenzene	0.0200	0.0188		mg/Kg		94	79 - 124	4	30
1,4-Dichlorobenzene	0.0200	0.0189		mg/Kg		95	79 - 121	3	30
2-Butanone (MEK)	0.100	0.0990		mg/Kg		99	61 - 140	0	30
2-Hexanone	0.100	0.0913		mg/Kg		91	78 - 120	9	30
4-Methyl-2-pentanone (MIBK)	0.100	0.0907		mg/Kg		91	80 - 120	7	30
Acetone	0.100	0.0794		mg/Kg		79	75 - 120	18	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671360/5
Matrix: Solid
Analysis Batch: 671360

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0200	0.0186		mg/Kg		93	75 - 127	5	30
Bromoform	0.0200	0.0142		mg/Kg		71	19 - 150	9	30
Bromomethane	0.0200	0.0230		mg/Kg		115	59 - 136	10	30
Carbon disulfide	0.0200	0.0172		mg/Kg		86	74 - 130	8	30
Carbon tetrachloride	0.0200	0.0169		mg/Kg		85	77 - 138	4	30
Chlorobenzene	0.0200	0.0184		mg/Kg		92	80 - 120	7	30
Chlorobromomethane	0.0200	0.0183		mg/Kg		91	80 - 125	4	30
Chlorodibromomethane	0.0200	0.0147		mg/Kg		74	67 - 143	8	30
Chloroethane	0.0200	0.0198		mg/Kg		99	50 - 139	14	30
Chloroform	0.0200	0.0184		mg/Kg		92	80 - 122	4	30
Chloromethane	0.0200	0.0199		mg/Kg		100	66 - 128	13	30
cis-1,2-Dichloroethene	0.0200	0.0183		mg/Kg		91	80 - 123	1	30
cis-1,3-Dichloropropene	0.0200	0.0176		mg/Kg		88	75 - 124	6	30
Cyclohexane	0.0200	0.0201		mg/Kg		100	67 - 135	1	30
Dichlorobromomethane	0.0200	0.0164		mg/Kg		82	76 - 129	1	30
Dichlorodifluoromethane	0.0200	0.0149		mg/Kg		75	72 - 127	16	30
Ethylbenzene	0.0200	0.0183		mg/Kg		91	79 - 124	6	30
Ethylene Dibromide	0.0200	0.0184		mg/Kg		92	80 - 122	7	30
Isopropylbenzene	0.0200	0.0190		mg/Kg		95	80 - 125	6	30
Methyl acetate	0.0400	0.0399		mg/Kg		100	73 - 123	5	30
Methyl tert-butyl ether	0.0200	0.0192		mg/Kg		96	80 - 120	2	30
Methylcyclohexane	0.0200	0.0196		mg/Kg		98	71 - 137	3	30
Methylene Chloride	0.0200	0.0190		mg/Kg		95	79 - 128	3	30
m-Xylene & p-Xylene	0.0200	0.0178		mg/Kg		89	79 - 121	5	30
o-Xylene	0.0200	0.0181		mg/Kg		91	79 - 123	7	30
Styrene	0.0200	0.0182		mg/Kg		91	78 - 123	9	30
Tetrachloroethene	0.0200	0.0198		mg/Kg		99	73 - 130	2	30
Toluene	0.0200	0.0182		mg/Kg		91	75 - 122	6	30
trans-1,2-Dichloroethene	0.0200	0.0196		mg/Kg		98	80 - 129	1	30
trans-1,3-Dichloropropene	0.0200	0.0164		mg/Kg		82	72 - 121	5	30
Trichloroethene	0.0200	0.0185		mg/Kg		93	79 - 122	3	30
Trichlorofluoromethane	0.0200	0.0208		mg/Kg		104	68 - 136	10	30
Vinyl chloride	0.0200	0.0198		mg/Kg		99	70 - 134	13	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*96*		*78 - 135*
4-Bromofluorobenzene	*99*		*67 - 126*
Dibromofluoromethane (Surr)	*102*		*61 - 149*
Toluene-d8 (Surr)	*101*		*73 - 121*

Lab Sample ID: MB 460-671374/9
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/28/20 23:08	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/28/20 23:08	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/28/20 23:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671374/9
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/28/20 23:08	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/28/20 23:08	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/28/20 23:08	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/28/20 23:08	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/28/20 23:08	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/28/20 23:08	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/28/20 23:08	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/28/20 23:08	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/28/20 23:08	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/28/20 23:08	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/28/20 23:08	1
1,4-Dioxane	28	U	50	28	ug/L			01/28/20 23:08	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/28/20 23:08	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/28/20 23:08	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/28/20 23:08	1
Acetone	4.4	U	5.0	4.4	ug/L			01/28/20 23:08	1
Benzene	0.20	U	1.0	0.20	ug/L			01/28/20 23:08	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/28/20 23:08	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/28/20 23:08	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/28/20 23:08	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/28/20 23:08	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/28/20 23:08	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/28/20 23:08	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/28/20 23:08	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/28/20 23:08	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/28/20 23:08	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/28/20 23:08	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/28/20 23:08	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/28/20 23:08	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/28/20 23:08	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/28/20 23:08	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/28/20 23:08	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/28/20 23:08	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/28/20 23:08	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/28/20 23:08	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/28/20 23:08	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/28/20 23:08	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/28/20 23:08	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/28/20 23:08	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/28/20 23:08	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/28/20 23:08	1
Styrene	0.42	U	1.0	0.42	ug/L			01/28/20 23:08	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/28/20 23:08	1
Toluene	0.38	U	1.0	0.38	ug/L			01/28/20 23:08	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/28/20 23:08	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/28/20 23:08	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/28/20 23:08	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/28/20 23:08	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/28/20 23:08	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,2-Dichloroethane-d4 (Surr)	100		74 - 132		01/28/20 23:08	1
4-Bromofluorobenzene	98		77 - 124		01/28/20 23:08	1
Dibromofluoromethane (Surr)	100		72 - 131		01/28/20 23:08	1
Toluene-d8 (Surr)	97		80 - 120		01/28/20 23:08	1

Lab Sample ID: LCS 460-671374/4
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	23.6		ug/L		118	75 - 125
1,1,2,2-Tetrachloroethane	20.0	24.1	*	ug/L		121	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.7		ug/L		84	59 - 150
1,1,2-Trichloroethane	20.0	23.5		ug/L		118	78 - 120
1,1-Dichloroethane	20.0	23.9		ug/L		119	77 - 123
1,1-Dichloroethene	20.0	21.9		ug/L		110	74 - 123
1,2,3-Trichlorobenzene	20.0	24.0		ug/L		120	78 - 131
1,2,4-Trichlorobenzene	20.0	23.6		ug/L		118	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	25.4		ug/L		127	55 - 134
1,2-Dichlorobenzene	20.0	23.8		ug/L		119	80 - 120
1,2-Dichloroethane	20.0	23.3		ug/L		117	76 - 121
1,2-Dichloropropane	20.0	23.3		ug/L		116	77 - 123
1,3-Dichlorobenzene	20.0	23.1		ug/L		116	80 - 120
1,4-Dichlorobenzene	20.0	23.2		ug/L		116	80 - 120
1,4-Dioxane	400	501		ug/L		125	10 - 150
2-Butanone (MEK)	100	112		ug/L		112	64 - 120
2-Hexanone	100	117		ug/L		117	71 - 125
4-Methyl-2-pentanone (MIBK)	100	120		ug/L		120	78 - 124
Acetone	100	107		ug/L		107	39 - 150
Benzene	20.0	23.2		ug/L		116	77 - 121
Bromoform	20.0	24.9	*	ug/L		125	53 - 120
Bromomethane	20.0	23.9		ug/L		120	10 - 150
Carbon disulfide	20.0	27.1	*	ug/L		135	69 - 133
Carbon tetrachloride	20.0	23.7		ug/L		119	70 - 132
Chlorobenzene	20.0	23.6		ug/L		118	80 - 120
Chlorobromomethane	20.0	24.8		ug/L		124	77 - 127
Chlorodibromomethane	20.0	23.5		ug/L		118	73 - 120
Chloroethane	20.0	24.5		ug/L		122	52 - 150
Chloroform	20.0	23.9		ug/L		120	80 - 120
Chloromethane	20.0	22.0		ug/L		110	56 - 131
cis-1,2-Dichloroethene	20.0	23.3		ug/L		116	80 - 120
cis-1,3-Dichloropropene	20.0	23.4		ug/L		117	77 - 120
Cyclohexane	20.0	19.6		ug/L		98	56 - 150
Dichlorobromomethane	20.0	23.8		ug/L		119	76 - 120
Dichlorodifluoromethane	20.0	15.0		ug/L		75	50 - 131
Ethylbenzene	20.0	22.0		ug/L		110	80 - 120
Ethylene Dibromide	20.0	23.5		ug/L		118	80 - 120
Isopropylbenzene	20.0	23.2		ug/L		116	80 - 123
Methyl acetate	40.0	46.1		ug/L		115	66 - 144
Methyl tert-butyl ether	20.0	23.9		ug/L		119	79 - 122
Methylcyclohexane	20.0	18.4		ug/L		92	61 - 145

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671374/4
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	20.0	24.2		ug/L		121	77 - 123
m-Xylene & p-Xylene	20.0	22.7		ug/L		113	80 - 120
o-Xylene	20.0	22.6		ug/L		113	80 - 120
Styrene	20.0	23.1		ug/L		115	80 - 120
Tetrachloroethene	20.0	22.6		ug/L		113	78 - 122
Toluene	20.0	23.6		ug/L		118	80 - 120
trans-1,2-Dichloroethene	20.0	23.4		ug/L		117	79 - 120
trans-1,3-Dichloropropene	20.0	23.5		ug/L		118	76 - 120
Trichloroethene	20.0	22.9		ug/L		114	77 - 120
Trichlorofluoromethane	20.0	23.4		ug/L		117	71 - 143
Vinyl chloride	20.0	22.6		ug/L		113	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*106*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*101*		*80 - 120*

Lab Sample ID: LCSD 460-671374/5
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	24.5		ug/L		122	75 - 125	4	30
1,1,2,2-Tetrachloroethane	20.0	24.1		ug/L		120	74 - 120	0	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.7		ug/L		88	59 - 150	5	30
1,1,2-Trichloroethane	20.0	23.2		ug/L		116	78 - 120	1	30
1,1-Dichloroethane	20.0	24.2		ug/L		121	77 - 123	2	30
1,1-Dichloroethene	20.0	23.4		ug/L		117	74 - 123	7	30
1,2,3-Trichlorobenzene	20.0	25.0		ug/L		125	78 - 131	4	30
1,2,4-Trichlorobenzene	20.0	24.4		ug/L		122	80 - 124	3	30
1,2-Dibromo-3-Chloropropane	20.0	25.1		ug/L		126	55 - 134	1	30
1,2-Dichlorobenzene	20.0	23.9		ug/L		119	80 - 120	0	30
1,2-Dichloroethane	20.0	23.3		ug/L		117	76 - 121	0	30
1,2-Dichloropropane	20.0	23.4		ug/L		117	77 - 123	1	30
1,3-Dichlorobenzene	20.0	23.7		ug/L		118	80 - 120	2	30
1,4-Dichlorobenzene	20.0	23.7		ug/L		119	80 - 120	2	30
1,4-Dioxane	400	506		ug/L		126	10 - 150	1	30
2-Butanone (MEK)	100	115		ug/L		115	64 - 120	2	30
2-Hexanone	100	120		ug/L		120	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)	100	123		ug/L		123	78 - 124	2	30
Acetone	100	109		ug/L		109	39 - 150	2	30
Benzene	20.0	23.9		ug/L		120	77 - 121	3	30
Bromoform	20.0	25.3	*	ug/L		126	53 - 120	1	30
Bromomethane	20.0	24.4		ug/L		122	10 - 150	2	30
Carbon disulfide	20.0	28.2	*	ug/L		141	69 - 133	4	30
Carbon tetrachloride	20.0	24.6		ug/L		123	70 - 132	4	30
Chlorobenzene	20.0	23.9		ug/L		120	80 - 120	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671374/5
Matrix: Water
Analysis Batch: 671374

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chlorobromomethane	20.0	25.6	*	ug/L		128	77 - 127	3	30
Chlorodibromomethane	20.0	23.7		ug/L		118	73 - 120	1	30
Chloroethane	20.0	24.3		ug/L		121	52 - 150	1	30
Chloroform	20.0	24.0		ug/L		120	80 - 120	0	30
Chloromethane	20.0	22.2		ug/L		111	56 - 131	1	30
cis-1,2-Dichloroethene	20.0	24.0		ug/L		120	80 - 120	3	30
cis-1,3-Dichloropropene	20.0	24.0		ug/L		120	77 - 120	3	30
Cyclohexane	20.0	20.7		ug/L		103	56 - 150	6	30
Dichlorobromomethane	20.0	24.2	*	ug/L		121	76 - 120	2	30
Dichlorodifluoromethane	20.0	14.2		ug/L		71	50 - 131	5	30
Ethylbenzene	20.0	22.8		ug/L		114	80 - 120	4	30
Ethylene Dibromide	20.0	23.7		ug/L		119	80 - 120	1	30
Isopropylbenzene	20.0	24.1		ug/L		121	80 - 123	4	30
Methyl acetate	40.0	46.6		ug/L		116	66 - 144	1	30
Methyl tert-butyl ether	20.0	23.9		ug/L		119	79 - 122	0	30
Methylcyclohexane	20.0	19.2		ug/L		96	61 - 145	4	30
Methylene Chloride	20.0	24.0		ug/L		120	77 - 123	1	30
m-Xylene & p-Xylene	20.0	23.5		ug/L		118	80 - 120	4	30
o-Xylene	20.0	23.5		ug/L		118	80 - 120	4	30
Styrene	20.0	23.8		ug/L		119	80 - 120	3	30
Tetrachloroethene	20.0	23.6		ug/L		118	78 - 122	4	30
Toluene	20.0	24.3	*	ug/L		122	80 - 120	3	30
trans-1,2-Dichloroethene	20.0	23.7		ug/L		119	79 - 120	1	30
trans-1,3-Dichloropropene	20.0	23.9		ug/L		120	76 - 120	2	30
Trichloroethene	20.0	23.3		ug/L		117	77 - 120	2	30
Trichlorofluoromethane	20.0	23.6		ug/L		118	71 - 143	1	30
Vinyl chloride	20.0	22.7		ug/L		113	62 - 138	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 132*
4-Bromofluorobenzene	*103*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*103*		*80 - 120*

Lab Sample ID: MB 460-671379/8
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.014	U	0.050	0.014	mg/Kg			01/28/20 23:15	50
1,1,2,2-Tetrachloroethane	0.0095	U	0.050	0.0095	mg/Kg			01/28/20 23:15	50
1,1,2-Trichloro-1,2,2-trifluoroethane	0.017	U	0.050	0.017	mg/Kg			01/28/20 23:15	50
1,1,2-Trichloroethane	0.0040	U	0.050	0.0040	mg/Kg			01/28/20 23:15	50
1,1-Dichloroethane	0.012	U	0.050	0.012	mg/Kg			01/28/20 23:15	50
1,1-Dichloroethene	0.013	U	0.050	0.013	mg/Kg			01/28/20 23:15	50
1,2,3-Trichlorobenzene	0.018	U	0.050	0.018	mg/Kg			01/28/20 23:15	50
1,2,4-Trichlorobenzene	0.014	U	0.050	0.014	mg/Kg			01/28/20 23:15	50
1,2-Dibromo-3-Chloropropane	0.012	U	0.050	0.012	mg/Kg			01/28/20 23:15	50

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671379/8
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichlorobenzene	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
1,2-Dichloroethane	0.013	U	0.050	0.013	mg/Kg			01/28/20 23:15	50
1,2-Dichloropropane	0.0090	U	0.050	0.0090	mg/Kg			01/28/20 23:15	50
1,3-Dichlorobenzene	0.017	U	0.050	0.017	mg/Kg			01/28/20 23:15	50
1,4-Dichlorobenzene	0.017	U	0.050	0.017	mg/Kg			01/28/20 23:15	50
2-Butanone (MEK)	0.11	U	0.25	0.11	mg/Kg			01/28/20 23:15	50
2-Hexanone	0.057	U	0.25	0.057	mg/Kg			01/28/20 23:15	50
4-Methyl-2-pentanone (MIBK)	0.065	U	0.25	0.065	mg/Kg			01/28/20 23:15	50
Acetone	0.22	U	0.25	0.22	mg/Kg			01/28/20 23:15	50
Benzene	0.010	U	0.050	0.010	mg/Kg			01/28/20 23:15	50
Bromoform	0.0090	U	0.050	0.0090	mg/Kg			01/28/20 23:15	50
Bromomethane	0.028	U	0.050	0.028	mg/Kg			01/28/20 23:15	50
Carbon disulfide	0.034	U	0.050	0.034	mg/Kg			01/28/20 23:15	50
Carbon tetrachloride	0.017	U	0.050	0.017	mg/Kg			01/28/20 23:15	50
Chlorobenzene	0.012	U	0.050	0.012	mg/Kg			01/28/20 23:15	50
Chlorobromomethane	0.015	U	0.050	0.015	mg/Kg			01/28/20 23:15	50
Chlorodibromomethane	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
Chloroethane	0.019	U	0.050	0.019	mg/Kg			01/28/20 23:15	50
Chloroform	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
Chloromethane	0.020	U	0.050	0.020	mg/Kg			01/28/20 23:15	50
cis-1,2-Dichloroethene	0.013	U	0.050	0.013	mg/Kg			01/28/20 23:15	50
cis-1,3-Dichloropropene	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
Cyclohexane	0.013	U	0.050	0.013	mg/Kg			01/28/20 23:15	50
Dichlorobromomethane	0.0075	U	0.050	0.0075	mg/Kg			01/28/20 23:15	50
Dichlorodifluoromethane	0.016	U	0.050	0.016	mg/Kg			01/28/20 23:15	50
Ethylbenzene	0.015	U	0.050	0.015	mg/Kg			01/28/20 23:15	50
Ethylene Dibromide	0.0095	U	0.050	0.0095	mg/Kg			01/28/20 23:15	50
Isopropylbenzene	0.016	U	0.050	0.016	mg/Kg			01/28/20 23:15	50
Methyl acetate	0.039	U	0.25	0.039	mg/Kg			01/28/20 23:15	50
Methyl tert-butyl ether	0.0065	U	0.050	0.0065	mg/Kg			01/28/20 23:15	50
Methylcyclohexane	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
Methylene Chloride	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
m-Xylene & p-Xylene	0.014	U	0.050	0.014	mg/Kg			01/28/20 23:15	50
o-Xylene	0.016	U	0.050	0.016	mg/Kg			01/28/20 23:15	50
Styrene	0.0085	U	0.050	0.0085	mg/Kg			01/28/20 23:15	50
Tetrachloroethene	0.018	U	0.050	0.018	mg/Kg			01/28/20 23:15	50
Toluene	0.013	U	0.050	0.013	mg/Kg			01/28/20 23:15	50
trans-1,2-Dichloroethene	0.0090	U	0.050	0.0090	mg/Kg			01/28/20 23:15	50
trans-1,3-Dichloropropene	0.0095	U	0.050	0.0095	mg/Kg			01/28/20 23:15	50
Trichloroethene	0.011	U	0.050	0.011	mg/Kg			01/28/20 23:15	50
Trichlorofluoromethane	0.016	U	0.050	0.016	mg/Kg			01/28/20 23:15	50
Vinyl chloride	0.010	U	0.050	0.010	mg/Kg			01/28/20 23:15	50

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*69 - 143*		*01/28/20 23:15*	*50*
4-Bromofluorobenzene	*100*		*61 - 137*		*01/28/20 23:15*	*50*
Dibromofluoromethane (Surr)	*102*		*61 - 135*		*01/28/20 23:15*	*50*
Toluene-d8 (Surr)	*102*		*67 - 127*		*01/28/20 23:15*	*50*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671379/4
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	1.00	1.06		mg/Kg		106	80 - 124
1,1,2,2-Tetrachloroethane	1.00	1.11		mg/Kg		111	68 - 124
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	1.02		mg/Kg		102	73 - 124
1,1,2-Trichloroethane	1.00	1.06		mg/Kg		106	74 - 120
1,1-Dichloroethane	1.00	1.01		mg/Kg		101	79 - 120
1,1-Dichloroethene	1.00	0.987		mg/Kg		99	77 - 120
1,2,3-Trichlorobenzene	1.00	1.09		mg/Kg		109	73 - 126
1,2,4-Trichlorobenzene	1.00	1.12		mg/Kg		112	73 - 121
1,2-Dibromo-3-Chloropropane	1.00	1.06		mg/Kg		106	60 - 123
1,2-Dichlorobenzene	1.00	1.10		mg/Kg		110	78 - 120
1,2-Dichloroethane	1.00	1.04		mg/Kg		104	80 - 126
1,2-Dichloropropane	1.00	1.06		mg/Kg		106	78 - 120
1,3-Dichlorobenzene	1.00	1.07		mg/Kg		107	80 - 120
1,4-Dichlorobenzene	1.00	1.05		mg/Kg		105	77 - 120
2-Butanone (MEK)	5.00	5.05		mg/Kg		101	54 - 128
2-Hexanone	5.00	5.41		mg/Kg		108	68 - 134
4-Methyl-2-pentanone (MIBK)	5.00	5.32		mg/Kg		106	80 - 123
Acetone	5.00	4.40		mg/Kg		88	78 - 122
Benzene	1.00	1.10		mg/Kg		110	76 - 120
Bromoform	1.00	0.957		mg/Kg		96	77 - 124
Bromomethane	1.00	0.940		mg/Kg		94	59 - 132
Carbon disulfide	1.00	1.02		mg/Kg		102	68 - 120
Carbon tetrachloride	1.00	1.07		mg/Kg		107	80 - 131
Chlorobenzene	1.00	1.05		mg/Kg		105	80 - 120
Chlorobromomethane	1.00	0.970		mg/Kg		97	80 - 123
Chlorodibromomethane	1.00	0.955		mg/Kg		95	79 - 120
Chloroethane	1.00	1.11		mg/Kg		111	57 - 143
Chloroform	1.00	1.02		mg/Kg		102	80 - 120
Chloromethane	1.00	1.09		mg/Kg		109	48 - 147
cis-1,2-Dichloroethene	1.00	1.00		mg/Kg		100	80 - 120
cis-1,3-Dichloropropene	1.00	1.09		mg/Kg		109	76 - 120
Cyclohexane	1.00	1.10		mg/Kg		110	68 - 120
Dichlorobromomethane	1.00	1.02		mg/Kg		102	80 - 120
Dichlorodifluoromethane	1.00	0.888		mg/Kg		89	59 - 131
Ethylbenzene	1.00	1.07		mg/Kg		107	76 - 120
Ethylene Dibromide	1.00	1.08		mg/Kg		108	78 - 120
Isopropylbenzene	1.00	1.09		mg/Kg		109	77 - 120
Methyl acetate	2.00	1.83		mg/Kg		91	72 - 150
Methyl tert-butyl ether	1.00	1.06		mg/Kg		106	80 - 125
Methylcyclohexane	1.00	1.09		mg/Kg		109	58 - 123
Methylene Chloride	1.00	0.952		mg/Kg		95	77 - 120
m-Xylene & p-Xylene	1.00	1.07		mg/Kg		107	78 - 120
o-Xylene	1.00	1.08		mg/Kg		108	80 - 120
Styrene	1.00	1.11		mg/Kg		111	80 - 120
Tetrachloroethene	1.00	1.04		mg/Kg		104	77 - 125
Toluene	1.00	1.06		mg/Kg		106	80 - 120
trans-1,2-Dichloroethene	1.00	0.972		mg/Kg		97	77 - 120
trans-1,3-Dichloropropene	1.00	1.12		mg/Kg		112	69 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671379/4
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	1.00	1.02		mg/Kg		102	80 - 120
Trichlorofluoromethane	1.00	1.00		mg/Kg		100	76 - 128
Vinyl chloride	1.00	1.02		mg/Kg		102	60 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*102*		*69 - 143*
4-Bromofluorobenzene	*96*		*61 - 137*
Dibromofluoromethane (Surr)	*99*		*61 - 135*
Toluene-d8 (Surr)	*100*		*67 - 127*

Lab Sample ID: LCSD 460-671379/18
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	1.00	0.992		mg/Kg		99	80 - 124	7	30
1,1,2,2-Tetrachloroethane	1.00	0.973		mg/Kg		97	68 - 124	13	30
1,1,2-Trichloro-1,2,2-trifluoroethane	1.00	0.996		mg/Kg		100	73 - 124	3	30
1,1,2-Trichloroethane	1.00	0.981		mg/Kg		98	74 - 120	8	30
1,1-Dichloroethane	1.00	0.968		mg/Kg		97	79 - 120	4	30
1,1-Dichloroethene	1.00	0.923		mg/Kg		92	77 - 120	7	30
1,2,3-Trichlorobenzene	1.00	0.913		mg/Kg		91	73 - 126	18	30
1,2,4-Trichlorobenzene	1.00	0.944		mg/Kg		94	73 - 121	17	30
1,2-Dibromo-3-Chloropropane	1.00	0.879		mg/Kg		88	60 - 123	19	30
1,2-Dichlorobenzene	1.00	1.00		mg/Kg		100	78 - 120	10	30
1,2-Dichloroethane	1.00	0.925		mg/Kg		92	80 - 126	12	30
1,2-Dichloropropane	1.00	1.01		mg/Kg		101	78 - 120	5	30
1,3-Dichlorobenzene	1.00	0.998		mg/Kg		100	80 - 120	7	30
1,4-Dichlorobenzene	1.00	0.982		mg/Kg		98	77 - 120	7	30
2-Butanone (MEK)	5.00	4.41		mg/Kg		88	54 - 128	14	30
2-Hexanone	5.00	5.03		mg/Kg		101	68 - 134	7	30
4-Methyl-2-pentanone (MIBK)	5.00	5.35		mg/Kg		107	80 - 123	1	30
Acetone	5.00	4.04		mg/Kg		81	78 - 122	9	30
Benzene	1.00	1.03		mg/Kg		103	76 - 120	7	30
Bromoform	1.00	0.806		mg/Kg		81	77 - 124	17	30
Bromomethane	1.00	0.988		mg/Kg		99	59 - 132	5	30
Carbon disulfide	1.00	0.887		mg/Kg		89	68 - 120	14	30
Carbon tetrachloride	1.00	0.957		mg/Kg		96	80 - 131	11	30
Chlorobenzene	1.00	1.02		mg/Kg		102	80 - 120	3	30
Chlorobromomethane	1.00	0.893		mg/Kg		89	80 - 123	8	30
Chlorodibromomethane	1.00	0.842		mg/Kg		84	79 - 120	13	30
Chloroethane	1.00	1.03		mg/Kg		103	57 - 143	7	30
Chloroform	1.00	0.947		mg/Kg		95	80 - 120	7	30
Chloromethane	1.00	0.973		mg/Kg		97	48 - 147	11	30
cis-1,2-Dichloroethene	1.00	0.958		mg/Kg		96	80 - 120	5	30
cis-1,3-Dichloropropene	1.00	1.01		mg/Kg		101	76 - 120	7	30
Cyclohexane	1.00	1.02		mg/Kg		102	68 - 120	7	30
Dichlorobromomethane	1.00	0.903		mg/Kg		90	80 - 120	12	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671379/18
Matrix: Solid
Analysis Batch: 671379

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dichlorodifluoromethane			1.00	0.820		mg/Kg		82	59 - 131	8	30
Ethylbenzene			1.00	1.03		mg/Kg		103	76 - 120	4	30
Ethylene Dibromide			1.00	0.931		mg/Kg		93	78 - 120	15	30
Isopropylbenzene			1.00	1.04		mg/Kg		104	77 - 120	4	30
Methyl acetate			2.00	1.76		mg/Kg		88	72 - 150	4	30
Methyl tert-butyl ether			1.00	0.937		mg/Kg		94	80 - 125	13	30
Methylcyclohexane			1.00	1.12		mg/Kg		112	58 - 123	3	30
Methylene Chloride			1.00	0.861		mg/Kg		86	77 - 120	10	30
m-Xylene & p-Xylene			1.00	1.06		mg/Kg		106	78 - 120	1	30
o-Xylene			1.00	1.04		mg/Kg		104	80 - 120	3	30
Styrene			1.00	1.03		mg/Kg		103	80 - 120	7	30
Tetrachloroethene			1.00	1.02		mg/Kg		102	77 - 125	2	30
Toluene			1.00	1.03		mg/Kg		103	80 - 120	3	30
trans-1,2-Dichloroethene			1.00	0.918		mg/Kg		92	77 - 120	6	30
trans-1,3-Dichloropropene			1.00	0.993		mg/Kg		99	69 - 120	12	30
Trichloroethene			1.00	0.964		mg/Kg		96	80 - 120	5	30
Trichlorofluoromethane			1.00	0.917		mg/Kg		92	76 - 128	9	30
Vinyl chloride			1.00	0.936		mg/Kg		94	60 - 144	9	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*103*		*69 - 143*
4-Bromofluorobenzene	*103*		*61 - 137*
Dibromofluoromethane (Surr)	*100*		*61 - 135*
Toluene-d8 (Surr)	*108*		*67 - 127*

Lab Sample ID: MB 460-671746/10
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 12:00	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/30/20 12:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/30/20 12:00	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 12:00	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/30/20 12:00	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 12:00	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 12:00	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/30/20 12:00	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/30/20 12:00	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 12:00	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/30/20 12:00	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/30/20 12:00	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/30/20 12:00	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 12:00	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/30/20 12:00	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/30/20 12:00	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/30/20 12:00	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/30/20 12:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671746/10
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/30/20 12:00	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/30/20 12:00	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/30/20 12:00	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 12:00	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/30/20 12:00	1
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 12:00	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/30/20 12:00	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/30/20 12:00	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/30/20 12:00	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/30/20 12:00	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/30/20 12:00	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/30/20 12:00	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 12:00	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/30/20 12:00	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/30/20 12:00	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/30/20 12:00	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/30/20 12:00	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 12:00	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/30/20 12:00	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/30/20 12:00	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/30/20 12:00	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/30/20 12:00	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/30/20 12:00	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/30/20 12:00	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/30/20 12:00	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/30/20 12:00	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 12:00	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 12:00	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/30/20 12:00	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 12:00	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 12:00	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/30/20 12:00	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/30/20 12:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*		*01/30/20 12:00*	*1*
4-Bromofluorobenzene	*103*		*67 - 126*		*01/30/20 12:00*	*1*
Dibromofluoromethane (Surr)	*103*		*61 - 149*		*01/30/20 12:00*	*1*
Toluene-d8 (Surr)	*104*		*73 - 121*		*01/30/20 12:00*	*1*

Lab Sample ID: LCS 460-671746/5
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0172		mg/Kg		86	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0197		mg/Kg		98	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0186		mg/Kg		93	78 - 132

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671746/5
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	0.0200	0.0201		mg/Kg		100	76 - 124
1,1-Dichloroethane	0.0200	0.0200		mg/Kg		100	80 - 124
1,1-Dichloroethene	0.0200	0.0185		mg/Kg		93	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0193		mg/Kg		96	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0199		mg/Kg		99	74 - 124
1,2-Dibromo-3-Chloropropane	0.0200	0.0155		mg/Kg		77	65 - 129
1,2-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	80 - 121
1,2-Dichloroethane	0.0200	0.0181		mg/Kg		91	68 - 120
1,2-Dichloropropane	0.0200	0.0200		mg/Kg		100	77 - 124
1,3-Dichlorobenzene	0.0200	0.0200		mg/Kg		100	79 - 124
1,4-Dichlorobenzene	0.0200	0.0204		mg/Kg		102	79 - 121
2-Butanone (MEK)	0.100	0.110		mg/Kg		110	61 - 140
2-Hexanone	0.100	0.107		mg/Kg		107	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.110		mg/Kg		110	80 - 120
Acetone	0.100	0.0890		mg/Kg		89	75 - 120
Benzene	0.0200	0.0203		mg/Kg		101	75 - 127
Bromoform	0.0200	0.0131		mg/Kg		65	19 - 150
Bromomethane	0.0200	0.0245		mg/Kg		122	59 - 136
Carbon disulfide	0.0200	0.0153		mg/Kg		76	74 - 130
Carbon tetrachloride	0.0200	0.0152	*	mg/Kg		76	77 - 138
Chlorobenzene	0.0200	0.0201		mg/Kg		101	80 - 120
Chlorobromomethane	0.0200	0.0187		mg/Kg		93	80 - 125
Chlorodibromomethane	0.0200	0.0155		mg/Kg		77	67 - 143
Chloroethane	0.0200	0.0199		mg/Kg		100	50 - 139
Chloroform	0.0200	0.0190		mg/Kg		95	80 - 122
Chloromethane	0.0200	0.0221		mg/Kg		111	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0193		mg/Kg		96	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0189		mg/Kg		94	75 - 124
Cyclohexane	0.0200	0.0180		mg/Kg		90	67 - 135
Dichlorobromomethane	0.0200	0.0174		mg/Kg		87	76 - 129
Dichlorodifluoromethane	0.0200	0.0179		mg/Kg		89	72 - 127
Ethylbenzene	0.0200	0.0194		mg/Kg		97	79 - 124
Ethylene Dibromide	0.0200	0.0189		mg/Kg		95	80 - 122
Isopropylbenzene	0.0200	0.0196		mg/Kg		98	80 - 125
Methyl acetate	0.0400	0.0355		mg/Kg		89	73 - 123
Methyl tert-butyl ether	0.0200	0.0197		mg/Kg		99	80 - 120
Methylcyclohexane	0.0200	0.0182		mg/Kg		91	71 - 137
Methylene Chloride	0.0200	0.0202		mg/Kg		101	79 - 128
m-Xylene & p-Xylene	0.0200	0.0188		mg/Kg		94	79 - 121
o-Xylene	0.0200	0.0195		mg/Kg		97	79 - 123
Styrene	0.0200	0.0193		mg/Kg		96	78 - 123
Tetrachloroethene	0.0200	0.0197		mg/Kg		98	73 - 130
Toluene	0.0200	0.0198		mg/Kg		99	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0192		mg/Kg		96	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0176		mg/Kg		88	72 - 121
Trichloroethene	0.0200	0.0189		mg/Kg		95	79 - 122
Trichlorofluoromethane	0.0200	0.0182		mg/Kg		91	68 - 136
Vinyl chloride	0.0200	0.0199		mg/Kg		100	70 - 134

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671746/5
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	*99*		*78 - 135*
4-Bromofluorobenzene	*104*		*67 - 126*
Dibromofluoromethane (Surr)	*107*		*61 - 149*
Toluene-d8 (Surr)	*109*		*73 - 121*

Lab Sample ID: LCSD 460-671746/7
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0203		mg/Kg		101	80 - 125	16	30
1,1,2,2-Tetrachloroethane			0.0200	0.0207		mg/Kg		103	72 - 131	5	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0245		mg/Kg		123	78 - 132	27	30
1,1,2-Trichloroethane			0.0200	0.0198		mg/Kg		99	76 - 124	1	30
1,1-Dichloroethane			0.0200	0.0219		mg/Kg		110	80 - 124	9	30
1,1-Dichloroethene			0.0200	0.0229		mg/Kg		115	79 - 132	21	30
1,2,3-Trichlorobenzene			0.0200	0.0221		mg/Kg		110	75 - 123	14	30
1,2,4-Trichlorobenzene			0.0200	0.0226		mg/Kg		113	74 - 124	13	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0158		mg/Kg		79	65 - 129	2	30
1,2-Dichlorobenzene			0.0200	0.0214		mg/Kg		107	80 - 121	7	30
1,2-Dichloroethane			0.0200	0.0185		mg/Kg		93	68 - 120	2	30
1,2-Dichloropropane			0.0200	0.0212		mg/Kg		106	77 - 124	6	30
1,3-Dichlorobenzene			0.0200	0.0222		mg/Kg		111	79 - 124	10	30
1,4-Dichlorobenzene			0.0200	0.0221		mg/Kg		110	79 - 121	8	30
2-Butanone (MEK)			0.100	0.101		mg/Kg		101	61 - 140	8	30
2-Hexanone			0.100	0.104		mg/Kg		104	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.105		mg/Kg		105	80 - 120	4	30
Acetone			0.100	0.0943		mg/Kg		94	75 - 120	6	30
Benzene			0.0200	0.0215		mg/Kg		107	75 - 127	6	30
Bromoform			0.0200	0.0134		mg/Kg		67	19 - 150	2	30
Bromomethane			0.0200	0.0273	*	mg/Kg		137	59 - 136	11	30
Carbon disulfide			0.0200	0.0186		mg/Kg		93	74 - 130	20	30
Carbon tetrachloride			0.0200	0.0189		mg/Kg		94	77 - 138	22	30
Chlorobenzene			0.0200	0.0218		mg/Kg		109	80 - 120	8	30
Chlorobromomethane			0.0200	0.0209		mg/Kg		105	80 - 125	11	30
Chlorodibromomethane			0.0200	0.0156		mg/Kg		78	67 - 143	1	30
Chloroethane			0.0200	0.0238		mg/Kg		119	50 - 139	18	30
Chloroform			0.0200	0.0211		mg/Kg		106	80 - 122	10	30
Chloromethane			0.0200	0.0274	*	mg/Kg		137	66 - 128	21	30
cis-1,2-Dichloroethene			0.0200	0.0215		mg/Kg		107	80 - 123	11	30
cis-1,3-Dichloropropene			0.0200	0.0194		mg/Kg		97	75 - 124	3	30
Cyclohexane			0.0200	0.0225		mg/Kg		113	67 - 135	23	30
Dichlorobromomethane			0.0200	0.0180		mg/Kg		90	76 - 129	3	30
Dichlorodifluoromethane			0.0200	0.0275	*	mg/Kg		138	72 - 127	43	30
Ethylbenzene			0.0200	0.0219		mg/Kg		109	79 - 124	12	30
Ethylene Dibromide			0.0200	0.0200		mg/Kg		100	80 - 122	5	30
Isopropylbenzene			0.0200	0.0221		mg/Kg		110	80 - 125	12	30
Methyl acetate			0.0400	0.0395		mg/Kg		99	73 - 123	11	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671746/7
Matrix: Solid
Analysis Batch: 671746

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			0.0200	0.0200		mg/Kg		100	80 - 120	2	30
Methylcyclohexane			0.0200	0.0228		mg/Kg		114	71 - 137	22	30
Methylene Chloride			0.0200	0.0216		mg/Kg		108	79 - 128	7	30
m-Xylene & p-Xylene			0.0200	0.0205		mg/Kg		102	79 - 121	8	30
o-Xylene			0.0200	0.0211		mg/Kg		105	79 - 123	8	30
Styrene			0.0200	0.0203		mg/Kg		102	78 - 123	5	30
Tetrachloroethene			0.0200	0.0224		mg/Kg		112	73 - 130	13	30
Toluene			0.0200	0.0213		mg/Kg		106	75 - 122	7	30
trans-1,2-Dichloroethene			0.0200	0.0226		mg/Kg		113	80 - 129	16	30
trans-1,3-Dichloropropene			0.0200	0.0177		mg/Kg		88	72 - 121	0	30
Trichloroethene			0.0200	0.0209		mg/Kg		104	79 - 122	10	30
Trichlorofluoromethane			0.0200	0.0264	*	mg/Kg		132	68 - 136	37	30
Vinyl chloride			0.0200	0.0254		mg/Kg		127	70 - 134	24	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*78 - 135*
4-Bromofluorobenzene	*106*		*67 - 126*
Dibromofluoromethane (Surr)	*105*		*61 - 149*
Toluene-d8 (Surr)	*107*		*73 - 121*

Lab Sample ID: MB 460-671748/8
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 11:39	1
1,1,2,2-Tetrachloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/30/20 11:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/30/20 11:39	1
1,1,2-Trichloroethane	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 11:39	1
1,1-Dichloroethane	0.00021	U	0.0010	0.00021	mg/Kg			01/30/20 11:39	1
1,1-Dichloroethene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 11:39	1
1,2,3-Trichlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 11:39	1
1,2,4-Trichlorobenzene	0.00036	U	0.0010	0.00036	mg/Kg			01/30/20 11:39	1
1,2-Dibromo-3-Chloropropane	0.00046	U	0.0010	0.00046	mg/Kg			01/30/20 11:39	1
1,2-Dichlorobenzene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 11:39	1
1,2-Dichloroethane	0.00030	U	0.0010	0.00030	mg/Kg			01/30/20 11:39	1
1,2-Dichloropropane	0.00042	U	0.0010	0.00042	mg/Kg			01/30/20 11:39	1
1,3-Dichlorobenzene	0.00016	U	0.0010	0.00016	mg/Kg			01/30/20 11:39	1
1,4-Dichlorobenzene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 11:39	1
2-Butanone (MEK)	0.0027	U	0.0050	0.0027	mg/Kg			01/30/20 11:39	1
2-Hexanone	0.0017	U	0.0050	0.0017	mg/Kg			01/30/20 11:39	1
4-Methyl-2-pentanone (MIBK)	0.0016	U	0.0050	0.0016	mg/Kg			01/30/20 11:39	1
Acetone	0.0057	U	0.0060	0.0057	mg/Kg			01/30/20 11:39	1
Benzene	0.00026	U	0.0010	0.00026	mg/Kg			01/30/20 11:39	1
Bromoform	0.00043	U	0.0010	0.00043	mg/Kg			01/30/20 11:39	1
Bromomethane	0.00047	U	0.0010	0.00047	mg/Kg			01/30/20 11:39	1
Carbon disulfide	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 11:39	1
Carbon tetrachloride	0.00039	U	0.0010	0.00039	mg/Kg			01/30/20 11:39	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671748/8
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlorobenzene	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 11:39	1
Chlorobromomethane	0.00028	U	0.0010	0.00028	mg/Kg			01/30/20 11:39	1
Chlorodibromomethane	0.00019	U	0.0010	0.00019	mg/Kg			01/30/20 11:39	1
Chloroethane	0.00052	U	0.0010	0.00052	mg/Kg			01/30/20 11:39	1
Chloroform	0.00032	U	0.0010	0.00032	mg/Kg			01/30/20 11:39	1
Chloromethane	0.00044	U	0.0010	0.00044	mg/Kg			01/30/20 11:39	1
cis-1,2-Dichloroethene	0.00015	U	0.0010	0.00015	mg/Kg			01/30/20 11:39	1
cis-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 11:39	1
Cyclohexane	0.00022	U	0.0010	0.00022	mg/Kg			01/30/20 11:39	1
Dichlorobromomethane	0.00026	U	0.0010	0.00026	mg/Kg			01/30/20 11:39	1
Dichlorodifluoromethane	0.00034	U	0.0010	0.00034	mg/Kg			01/30/20 11:39	1
Ethylbenzene	0.00020	U	0.0010	0.00020	mg/Kg			01/30/20 11:39	1
Ethylene Dibromide	0.00018	U	0.0010	0.00018	mg/Kg			01/30/20 11:39	1
Isopropylbenzene	0.00013	U	0.0010	0.00013	mg/Kg			01/30/20 11:39	1
Methyl acetate	0.0043	U	0.0050	0.0043	mg/Kg			01/30/20 11:39	1
Methyl tert-butyl ether	0.00013	U	0.0010	0.00013	mg/Kg			01/30/20 11:39	1
Methylcyclohexane	0.00050	U	0.0010	0.00050	mg/Kg			01/30/20 11:39	1
Methylene Chloride	0.00046	U	0.0010	0.00046	mg/Kg			01/30/20 11:39	1
m-Xylene & p-Xylene	0.00017	U	0.0010	0.00017	mg/Kg			01/30/20 11:39	1
o-Xylene	0.00019	U	0.0010	0.00019	mg/Kg			01/30/20 11:39	1
Styrene	0.00028	U	0.0010	0.00028	mg/Kg			01/30/20 11:39	1
Tetrachloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 11:39	1
Toluene	0.00023	U	0.0010	0.00023	mg/Kg			01/30/20 11:39	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00025	mg/Kg			01/30/20 11:39	1
trans-1,3-Dichloropropene	0.00027	U	0.0010	0.00027	mg/Kg			01/30/20 11:39	1
Trichloroethene	0.00014	U	0.0010	0.00014	mg/Kg			01/30/20 11:39	1
Trichlorofluoromethane	0.00041	U	0.0010	0.00041	mg/Kg			01/30/20 11:39	1
Vinyl chloride	0.00055	U	0.0010	0.00055	mg/Kg			01/30/20 11:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*86*		*78 - 135*		*01/30/20 11:39*	*1*
4-Bromofluorobenzene	*104*		*67 - 126*		*01/30/20 11:39*	*1*
Dibromofluoromethane (Surr)	*98*		*61 - 149*		*01/30/20 11:39*	*1*
Toluene-d8 (Surr)	*91*		*73 - 121*		*01/30/20 11:39*	*1*

Lab Sample ID: LCS 460-671748/4
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	0.0200	0.0200		mg/Kg		100	80 - 125
1,1,2,2-Tetrachloroethane	0.0200	0.0179		mg/Kg		89	72 - 131
1,1,2-Trichloro-1,2,2-trifluoroethane	0.0200	0.0183		mg/Kg		91	78 - 132
1,1,2-Trichloroethane	0.0200	0.0184		mg/Kg		92	76 - 124
1,1-Dichloroethane	0.0200	0.0190		mg/Kg		95	80 - 124
1,1-Dichloroethene	0.0200	0.0192		mg/Kg		96	79 - 132
1,2,3-Trichlorobenzene	0.0200	0.0207		mg/Kg		104	75 - 123
1,2,4-Trichlorobenzene	0.0200	0.0213		mg/Kg		106	74 - 124

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671748/4
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2-Dibromo-3-Chloropropane	0.0200	0.0188		mg/Kg		94	65 - 129
1,2-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	80 - 121
1,2-Dichloroethane	0.0200	0.0167		mg/Kg		83	68 - 120
1,2-Dichloropropane	0.0200	0.0196		mg/Kg		98	77 - 124
1,3-Dichlorobenzene	0.0200	0.0199		mg/Kg		99	79 - 124
1,4-Dichlorobenzene	0.0200	0.0201		mg/Kg		100	79 - 121
2-Butanone (MEK)	0.100	0.0940		mg/Kg		94	61 - 140
2-Hexanone	0.100	0.102		mg/Kg		102	78 - 120
4-Methyl-2-pentanone (MIBK)	0.100	0.106		mg/Kg		106	80 - 120
Acetone	0.100	0.0795		mg/Kg		80	75 - 120
Benzene	0.0200	0.0177		mg/Kg		88	75 - 127
Bromoform	0.0200	0.0190		mg/Kg		95	19 - 150
Bromomethane	0.0200	0.0217		mg/Kg		109	59 - 136
Carbon disulfide	0.0200	0.0179		mg/Kg		90	74 - 130
Carbon tetrachloride	0.0200	0.0195		mg/Kg		97	77 - 138
Chlorobenzene	0.0200	0.0187		mg/Kg		94	80 - 120
Chlorobromomethane	0.0200	0.0212		mg/Kg		106	80 - 125
Chlorodibromomethane	0.0200	0.0158		mg/Kg		79	67 - 143
Chloroethane	0.0200	0.0219		mg/Kg		110	50 - 139
Chloroform	0.0200	0.0197		mg/Kg		99	80 - 122
Chloromethane	0.0200	0.0193		mg/Kg		97	66 - 128
cis-1,2-Dichloroethene	0.0200	0.0213		mg/Kg		106	80 - 123
cis-1,3-Dichloropropene	0.0200	0.0171		mg/Kg		85	75 - 124
Cyclohexane	0.0200	0.0194		mg/Kg		97	67 - 135
Dichlorobromomethane	0.0200	0.0187		mg/Kg		93	76 - 129
Dichlorodifluoromethane	0.0200	0.0180		mg/Kg		90	72 - 127
Ethylbenzene	0.0200	0.0191		mg/Kg		96	79 - 124
Ethylene Dibromide	0.0200	0.0193		mg/Kg		97	80 - 122
Isopropylbenzene	0.0200	0.0188		mg/Kg		94	80 - 125
Methyl acetate	0.0400	0.0354		mg/Kg		89	73 - 123
Methyl tert-butyl ether	0.0200	0.0186		mg/Kg		93	80 - 120
Methylcyclohexane	0.0200	0.0175		mg/Kg		88	71 - 137
Methylene Chloride	0.0200	0.0191		mg/Kg		95	79 - 128
m-Xylene & p-Xylene	0.0200	0.0187		mg/Kg		93	79 - 121
o-Xylene	0.0200	0.0188		mg/Kg		94	79 - 123
Styrene	0.0200	0.0187		mg/Kg		93	78 - 123
Tetrachloroethene	0.0200	0.0208		mg/Kg		104	73 - 130
Toluene	0.0200	0.0178		mg/Kg		89	75 - 122
trans-1,2-Dichloroethene	0.0200	0.0200		mg/Kg		100	80 - 129
trans-1,3-Dichloropropene	0.0200	0.0176		mg/Kg		88	72 - 121
Trichloroethene	0.0200	0.0202		mg/Kg		101	79 - 122
Trichlorofluoromethane	0.0200	0.0207		mg/Kg		104	68 - 136
Vinyl chloride	0.0200	0.0201		mg/Kg		101	70 - 134

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*86*		*78 - 135*
4-Bromofluorobenzene	*108*		*67 - 126*
Dibromofluoromethane (Surr)	*101*		*61 - 149*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671748/4
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	94		73 - 121

Lab Sample ID: LCSD 460-671748/5
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane			0.0200	0.0193		mg/Kg		97	80 - 125	3	30
1,1,2,2-Tetrachloroethane			0.0200	0.0173		mg/Kg		86	72 - 131	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane			0.0200	0.0179		mg/Kg		90	78 - 132	2	30
1,1,2-Trichloroethane			0.0200	0.0184		mg/Kg		92	76 - 124	0	30
1,1-Dichloroethane			0.0200	0.0186		mg/Kg		93	80 - 124	2	30
1,1-Dichloroethene			0.0200	0.0187		mg/Kg		94	79 - 132	2	30
1,2,3-Trichlorobenzene			0.0200	0.0202		mg/Kg		101	75 - 123	3	30
1,2,4-Trichlorobenzene			0.0200	0.0205		mg/Kg		102	74 - 124	4	30
1,2-Dibromo-3-Chloropropane			0.0200	0.0187		mg/Kg		94	65 - 129	0	30
1,2-Dichlorobenzene			0.0200	0.0196		mg/Kg		98	80 - 121	1	30
1,2-Dichloroethane			0.0200	0.0165		mg/Kg		83	68 - 120	1	30
1,2-Dichloropropane			0.0200	0.0190		mg/Kg		95	77 - 124	3	30
1,3-Dichlorobenzene			0.0200	0.0195		mg/Kg		98	79 - 124	2	30
1,4-Dichlorobenzene			0.0200	0.0193		mg/Kg		97	79 - 121	4	30
2-Butanone (MEK)			0.100	0.0932		mg/Kg		93	61 - 140	1	30
2-Hexanone			0.100	0.0989		mg/Kg		99	78 - 120	4	30
4-Methyl-2-pentanone (MIBK)			0.100	0.105		mg/Kg		105	80 - 120	1	30
Acetone			0.100	0.0790		mg/Kg		79	75 - 120	1	30
Benzene			0.0200	0.0179		mg/Kg		90	75 - 127	2	30
Bromoform			0.0200	0.0187		mg/Kg		94	19 - 150	1	30
Bromomethane			0.0200	0.0204		mg/Kg		102	59 - 136	6	30
Carbon disulfide			0.0200	0.0175		mg/Kg		88	74 - 130	2	30
Carbon tetrachloride			0.0200	0.0188		mg/Kg		94	77 - 138	3	30
Chlorobenzene			0.0200	0.0183		mg/Kg		91	80 - 120	2	30
Chlorobromomethane			0.0200	0.0204		mg/Kg		102	80 - 125	4	30
Chlorodibromomethane			0.0200	0.0156		mg/Kg		78	67 - 143	1	30
Chloroethane			0.0200	0.0206		mg/Kg		103	50 - 139	6	30
Chloroform			0.0200	0.0193		mg/Kg		96	80 - 122	2	30
Chloromethane			0.0200	0.0178		mg/Kg		89	66 - 128	8	30
cis-1,2-Dichloroethene			0.0200	0.0204		mg/Kg		102	80 - 123	4	30
cis-1,3-Dichloropropene			0.0200	0.0166		mg/Kg		83	75 - 124	3	30
Cyclohexane			0.0200	0.0191		mg/Kg		96	67 - 135	1	30
Dichlorobromomethane			0.0200	0.0180		mg/Kg		90	76 - 129	4	30
Dichlorodifluoromethane			0.0200	0.0183		mg/Kg		92	72 - 127	2	30
Ethylbenzene			0.0200	0.0189		mg/Kg		94	79 - 124	1	30
Ethylene Dibromide			0.0200	0.0185		mg/Kg		92	80 - 122	5	30
Isopropylbenzene			0.0200	0.0186		mg/Kg		93	80 - 125	1	30
Methyl acetate			0.0400	0.0348		mg/Kg		87	73 - 123	2	30
Methyl tert-butyl ether			0.0200	0.0184		mg/Kg		92	80 - 120	1	30
Methylcyclohexane			0.0200	0.0171		mg/Kg		85	71 - 137	3	30
Methylene Chloride			0.0200	0.0185		mg/Kg		92	79 - 128	3	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671748/5
Matrix: Solid
Analysis Batch: 671748

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
m-Xylene & p-Xylene			0.0200	0.0178		mg/Kg		89	79 - 121	5	30
o-Xylene			0.0200	0.0187		mg/Kg		94	79 - 123	1	30
Styrene			0.0200	0.0185		mg/Kg		92	78 - 123	1	30
Tetrachloroethene			0.0200	0.0202		mg/Kg		101	73 - 130	3	30
Toluene			0.0200	0.0177		mg/Kg		88	75 - 122	0	30
trans-1,2-Dichloroethene			0.0200	0.0193		mg/Kg		97	80 - 129	3	30
trans-1,3-Dichloropropene			0.0200	0.0167		mg/Kg		84	72 - 121	5	30
Trichloroethene			0.0200	0.0195		mg/Kg		97	79 - 122	4	30
Trichlorofluoromethane			0.0200	0.0204		mg/Kg		102	68 - 136	2	30
Vinyl chloride			0.0200	0.0189		mg/Kg		94	70 - 134	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*84*		*78 - 135*
4-Bromofluorobenzene	*104*		*67 - 126*
Dibromofluoromethane (Surr)	*98*		*61 - 149*
Toluene-d8 (Surr)	*92*		*73 - 121*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-670664/1-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0044	U	0.33	0.0044	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
1,4-Dioxane	0.0091	U	0.10	0.0091	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4-Dimethylphenol	0.015	U	0.33	0.015	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Nitroaniline	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
3-Nitroaniline	0.037	U	0.33	0.037	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4,6-Dinitro-2-methylphenol	0.054	U	0.27	0.054	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Chloroaniline	0.023	U	0.33	0.023	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670664/1-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670664

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Acenaphthene	0.024	U	0.33	0.024	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Acenaphthylene	0.0034	U	0.33	0.0034	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Atrazine	0.0083	U	0.13	0.0083	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzaldehyde	0.014	U	0.33	0.014	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Dibenzofuran	0.0046	U	0.33	0.0046	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Diethyl phthalate	0.0048	U	0.33	0.0048	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Di-n-butyl phthalate	0.058	U	0.33	0.058	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Fluorene	0.0045	U	0.33	0.0045	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Nitrobenzene	0.0079	U	0.033	0.0079	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
N-Nitrosodiphenylamine	0.0063	U	0.33	0.0063	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Phenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:16	01/26/20 01:11	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		01/25/20 11:16	01/26/20 01:11	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*76*		*10 - 137*	*01/25/20 11:16*	*01/26/20 01:11*	*1*
2-Fluorobiphenyl	*73*		*29 - 107*	*01/25/20 11:16*	*01/26/20 01:11*	*1*
2-Fluorophenol (Surr)	*79*		*20 - 115*	*01/25/20 11:16*	*01/26/20 01:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670664/1-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670664

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*75*		*25 - 113*	*01/25/20 11:16*	*01/26/20 01:11*	*1*
Phenol-d5 (Surr)	*77*		*28 - 109*	*01/25/20 11:16*	*01/26/20 01:11*	*1*
Terphenyl-d14 (Surr)	*93*		*27 - 123*	*01/25/20 11:16*	*01/26/20 01:11*	*1*

Lab Sample ID: LCS 460-670664/2-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.55		mg/Kg		77	64 - 108
1,2,4,5-Tetrachlorobenzene	3.33	2.63		mg/Kg		79	57 - 112
1,4-Dioxane	3.33	1.80		mg/Kg		54	27 - 70
2,2'-oxybis[1-chloropropane]	3.33	2.17		mg/Kg		65	39 - 122
2,3,4,6-Tetrachlorophenol	3.33	2.43		mg/Kg		73	60 - 114
2,4,5-Trichlorophenol	3.33	2.69		mg/Kg		81	60 - 106
2,4,6-Trichlorophenol	3.33	2.55		mg/Kg		76	62 - 110
2,4-Dichlorophenol	3.33	2.59		mg/Kg		78	61 - 103
2,4-Dimethylphenol	3.33	2.46		mg/Kg		74	63 - 101
2,4-Dinitrophenol	6.67	4.51		mg/Kg		68	56 - 122
2,4-Dinitrotoluene	3.33	2.65		mg/Kg		80	66 - 122
2,6-Dinitrotoluene	3.33	2.73		mg/Kg		82	70 - 114
2-Chloronaphthalene	3.33	2.61		mg/Kg		78	63 - 107
2-Chlorophenol	3.33	2.53		mg/Kg		76	62 - 97
2-Methylnaphthalene	3.33	2.53		mg/Kg		76	65 - 104
2-Methylphenol	3.33	2.64		mg/Kg		79	61 - 103
2-Nitroaniline	3.33	2.51		mg/Kg		75	57 - 114
2-Nitrophenol	3.33	2.52		mg/Kg		76	65 - 104
3,3'-Dichlorobenzidine	3.33	0.975		mg/Kg		29	18 - 88
3-Nitroaniline	3.33	1.72		mg/Kg		52	30 - 94
4,6-Dinitro-2-methylphenol	6.67	5.68		mg/Kg		85	67 - 120
4-Bromophenyl phenyl ether	3.33	2.66		mg/Kg		80	59 - 122
4-Chloro-3-methylphenol	3.33	2.56		mg/Kg		77	62 - 111
4-Chloroaniline	3.33	1.56		mg/Kg		47	18 - 94
4-Chlorophenyl phenyl ether	3.33	2.60		mg/Kg		78	66 - 110
4-Methylphenol	3.33	2.65		mg/Kg		79	61 - 105
4-Nitroaniline	3.33	2.25		mg/Kg		68	49 - 118
4-Nitrophenol	6.67	4.47		mg/Kg		67	43 - 141
Acenaphthene	3.33	2.31		mg/Kg		69	62 - 108
Acenaphthylene	3.33	2.57		mg/Kg		77	67 - 107
Acetophenone	3.33	2.52		mg/Kg		76	60 - 109
Anthracene	3.33	2.65		mg/Kg		80	69 - 111
Benzo[a]anthracene	3.33	2.74		mg/Kg		82	68 - 110
Benzo[a]pyrene	3.33	2.54		mg/Kg		76	72 - 115
Benzo[b]fluoranthene	3.33	2.66		mg/Kg		80	69 - 119
Benzo[g,h,i]perylene	3.33	2.77		mg/Kg		83	54 - 128
Benzo[k]fluoranthene	3.33	3.01		mg/Kg		90	70 - 115
Bis(2-chloroethoxy)methane	3.33	2.48		mg/Kg		74	65 - 106
Bis(2-chloroethyl)ether	3.33	2.63		mg/Kg		79	64 - 105

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670664/2-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	3.33	2.72		mg/Kg		82	63 - 125
Butyl benzyl phthalate	3.33	2.96		mg/Kg		89	65 - 125
Carbazole	3.33	2.64		mg/Kg		79	66 - 115
Chrysene	3.33	2.89		mg/Kg		87	70 - 111
Dibenz(a,h)anthracene	3.33	2.90		mg/Kg		87	60 - 130
Dibenzofuran	3.33	2.53		mg/Kg		76	67 - 107
Diethyl phthalate	3.33	2.63		mg/Kg		79	66 - 117
Dimethyl phthalate	3.33	2.58		mg/Kg		78	68 - 112
Di-n-butyl phthalate	3.33	2.73		mg/Kg		82	67 - 119
Di-n-octyl phthalate	3.33	2.79		mg/Kg		84	57 - 138
Fluoranthene	3.33	2.54		mg/Kg		76	64 - 114
Fluorene	3.33	2.54		mg/Kg		76	66 - 110
Hexachlorobenzene	3.33	2.87		mg/Kg		86	57 - 128
Hexachlorobutadiene	3.33	2.54		mg/Kg		76	60 - 108
Hexachlorocyclopentadiene	3.33	2.74		mg/Kg		82	50 - 129
Hexachloroethane	3.33	2.44		mg/Kg		73	63 - 99
Indeno[1,2,3-cd]pyrene	3.33	2.81		mg/Kg		84	53 - 137
Isophorone	3.33	2.48		mg/Kg		74	68 - 111
Naphthalene	3.33	2.48		mg/Kg		74	65 - 102
Nitrobenzene	3.33	2.58		mg/Kg		78	66 - 108
N-Nitrosodi-n-propylamine	3.33	2.55		mg/Kg		76	63 - 117
N-Nitrosodiphenylamine	3.33	2.63		mg/Kg		79	65 - 114
Pentachlorophenol	6.67	4.91		mg/Kg		74	56 - 116
Phenanthrene	3.33	2.65		mg/Kg		79	68 - 111
Phenol	3.33	2.57		mg/Kg		77	58 - 103
Pyrene	3.33	3.10		mg/Kg		93	64 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*79*		*10 - 137*
2-Fluorobiphenyl	*75*		*29 - 107*
2-Fluorophenol (Surr)	*77*		*20 - 115*
Nitrobenzene-d5 (Surr)	*72*		*25 - 113*
Phenol-d5 (Surr)	*75*		*28 - 109*
Terphenyl-d14 (Surr)	*96*		*27 - 123*

Lab Sample ID: LCS 460-670664/4-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6.67	6.84		mg/Kg		103	62 - 137
Benzaldehyde	6.67	4.43		mg/Kg		67	52 - 113
Caprolactam	6.67	6.94		mg/Kg		104	53 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*88*		*10 - 137*
2-Fluorobiphenyl	*81*		*29 - 107*
2-Fluorophenol (Surr)	*88*		*20 - 115*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670664/4-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670664

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	82		25 - 113
Phenol-d5 (Surr)	85		28 - 109
Terphenyl-d14 (Surr)	106		27 - 123

Lab Sample ID: LCSD 460-670664/3-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670664

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			3.33	2.67		mg/Kg		80	64 - 108	5	30
1,2,4,5-Tetrachlorobenzene			3.33	2.69		mg/Kg		81	57 - 112	2	30
1,4-Dioxane			3.33	1.86		mg/Kg		56	27 - 70	3	30
2,2'-oxybis[1-chloropropane]			3.33	2.21		mg/Kg		66	39 - 122	2	30
2,3,4,6-Tetrachlorophenol			3.33	2.57		mg/Kg		77	60 - 114	6	30
2,4,5-Trichlorophenol			3.33	2.75		mg/Kg		83	60 - 106	2	30
2,4,6-Trichlorophenol			3.33	2.74		mg/Kg		82	62 - 110	7	30
2,4-Dichlorophenol			3.33	2.74		mg/Kg		82	61 - 103	6	30
2,4-Dimethylphenol			3.33	2.61		mg/Kg		78	63 - 101	6	30
2,4-Dinitrophenol			6.67	4.76		mg/Kg		71	56 - 122	5	30
2,4-Dinitrotoluene			3.33	2.83		mg/Kg		85	66 - 122	6	30
2,6-Dinitrotoluene			3.33	2.89		mg/Kg		87	70 - 114	6	30
2-Chloronaphthalene			3.33	2.75		mg/Kg		82	63 - 107	5	30
2-Chlorophenol			3.33	2.62		mg/Kg		79	62 - 97	4	30
2-Methylnaphthalene			3.33	2.71		mg/Kg		81	65 - 104	7	30
2-Methylphenol			3.33	2.79		mg/Kg		84	61 - 103	6	30
2-Nitroaniline			3.33	2.60		mg/Kg		78	57 - 114	3	30
2-Nitrophenol			3.33	2.69		mg/Kg		81	65 - 104	6	30
3,3'-Dichlorobenzidine			3.33	1.03		mg/Kg		31	18 - 88	5	30
3-Nitroaniline			3.33	1.80		mg/Kg		54	30 - 94	5	30
4,6-Dinitro-2-methylphenol			6.67	5.84		mg/Kg		88	67 - 120	3	30
4-Bromophenyl phenyl ether			3.33	2.75		mg/Kg		82	59 - 122	3	30
4-Chloro-3-methylphenol			3.33	2.75		mg/Kg		83	62 - 111	7	30
4-Chloroaniline			3.33	1.65		mg/Kg		50	18 - 94	6	30
4-Chlorophenyl phenyl ether			3.33	2.74		mg/Kg		82	66 - 110	5	30
4-Methylphenol			3.33	2.74		mg/Kg		82	61 - 105	3	30
4-Nitroaniline			3.33	2.29		mg/Kg		69	49 - 118	2	30
4-Nitrophenol			6.67	4.84		mg/Kg		73	43 - 141	8	30
Acenaphthene			3.33	2.42		mg/Kg		72	62 - 108	5	30
Acenaphthylene			3.33	2.70		mg/Kg		81	67 - 107	5	30
Acetophenone			3.33	2.66		mg/Kg		80	60 - 109	5	30
Anthracene			3.33	2.77		mg/Kg		83	69 - 111	4	30
Benzo[a]anthracene			3.33	2.90		mg/Kg		87	68 - 110	6	30
Benzo[a]pyrene			3.33	2.71		mg/Kg		81	72 - 115	7	30
Benzo[b]fluoranthene			3.33	2.85		mg/Kg		85	69 - 119	7	30
Benzo[g,h,i]perylene			3.33	2.90		mg/Kg		87	54 - 128	5	30
Benzo[k]fluoranthene			3.33	3.16		mg/Kg		95	70 - 115	5	30
Bis(2-chloroethoxy)methane			3.33	2.62		mg/Kg		79	65 - 106	6	30
Bis(2-chloroethyl)ether			3.33	2.65		mg/Kg		79	64 - 105	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670664/3-A
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Bis(2-ethylhexyl) phthalate	3.33	2.86		mg/Kg		86	63 - 125	5	30
Butyl benzyl phthalate	3.33	3.06		mg/Kg		92	65 - 125	4	30
Carbazole	3.33	2.71		mg/Kg		81	66 - 115	2	30
Chrysene	3.33	3.02		mg/Kg		91	70 - 111	4	30
Dibenz(a,h)anthracene	3.33	3.07		mg/Kg		92	60 - 130	5	30
Dibenzofuran	3.33	2.66		mg/Kg		80	67 - 107	5	30
Diethyl phthalate	3.33	2.78		mg/Kg		83	66 - 117	6	30
Dimethyl phthalate	3.33	2.69		mg/Kg		81	68 - 112	4	30
Di-n-butyl phthalate	3.33	2.83		mg/Kg		85	67 - 119	4	30
Di-n-octyl phthalate	3.33	2.99		mg/Kg		90	57 - 138	7	30
Fluoranthene	3.33	2.58		mg/Kg		78	64 - 114	2	30
Fluorene	3.33	2.69		mg/Kg		81	66 - 110	6	30
Hexachlorobenzene	3.33	3.00		mg/Kg		90	57 - 128	5	30
Hexachlorobutadiene	3.33	2.67		mg/Kg		80	60 - 108	5	30
Hexachlorocyclopentadiene	3.33	2.79		mg/Kg		84	50 - 129	2	30
Hexachloroethane	3.33	2.55		mg/Kg		76	63 - 99	4	30
Indeno[1,2,3-cd]pyrene	3.33	3.00		mg/Kg		90	53 - 137	7	30
Isophorone	3.33	2.62		mg/Kg		79	68 - 111	6	30
Naphthalene	3.33	2.62		mg/Kg		79	65 - 102	6	30
Nitrobenzene	3.33	2.70		mg/Kg		81	66 - 108	4	30
N-Nitrosodi-n-propylamine	3.33	2.65		mg/Kg		80	63 - 117	4	30
N-Nitrosodiphenylamine	3.33	2.71		mg/Kg		81	65 - 114	3	30
Pentachlorophenol	6.67	5.11		mg/Kg		77	56 - 116	4	30
Phenanthrene	3.33	2.74		mg/Kg		82	68 - 111	4	30
Phenol	3.33	2.70		mg/Kg		81	58 - 103	5	30
Pyrene	3.33	3.21		mg/Kg		96	64 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*10 - 137*
2-Fluorobiphenyl	*79*		*29 - 107*
2-Fluorophenol (Surr)	*80*		*20 - 115*
Nitrobenzene-d5 (Surr)	*76*		*25 - 113*
Phenol-d5 (Surr)	*77*		*28 - 109*
Terphenyl-d14 (Surr)	*99*		*27 - 123*

Lab Sample ID: 460-201477-E-1-C MS
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.0054	U	4.14	2.72		mg/Kg	☼	66	64 - 108
1,2,4,5-Tetrachlorobenzene	0.013	U	4.14	2.71		mg/Kg	☼	66	57 - 112
1,4-Dioxane	0.011	U	4.14	1.57		mg/Kg	☼	38	27 - 70
2,2'-oxybis[1-chloropropane]	0.0074	U	4.14	2.36		mg/Kg	☼	57	39 - 122
2,3,4,6-Tetrachlorophenol	0.028	U F1	4.14	2.05	F1	mg/Kg	☼	50	60 - 114
2,4,5-Trichlorophenol	0.042	U	4.14	2.60		mg/Kg	☼	63	60 - 106
2,4,6-Trichlorophenol	0.053	U F1	4.14	2.41	F1	mg/Kg	☼	58	62 - 110
2,4-Dichlorophenol	0.026	U	4.14	2.70		mg/Kg	☼	65	61 - 103

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201477-E-1-C MS
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	0.018	U	4.14	2.71		mg/Kg	☼	66	63 - 101
2,4-Dinitrophenol	0.20	U F1	8.27	1.40	F1	mg/Kg	☼	17	56 - 122
2,4-Dinitrotoluene	0.044	U	4.14	2.94		mg/Kg	☼	71	66 - 122
2,6-Dinitrotoluene	0.030	U	4.14	2.96		mg/Kg	☼	72	70 - 114
2-Chloronaphthalene	0.019	U	4.14	2.75		mg/Kg	☼	66	63 - 107
2-Chlorophenol	0.015	U	4.14	2.72		mg/Kg	☼	66	62 - 97
2-Methylnaphthalene	0.011	U	4.14	2.72		mg/Kg	☼	66	65 - 104
2-Methylphenol	0.015	U	4.14	2.82		mg/Kg	☼	68	61 - 103
2-Nitroaniline	0.015	U	4.14	2.71		mg/Kg	☼	66	57 - 114
2-Nitrophenol	0.041	U F1	4.14	2.48	F1	mg/Kg	☼	60	65 - 104
3,3'-Dichlorobenzidine	0.062	U	4.14	2.12		mg/Kg	☼	51	18 - 88
3-Nitroaniline	0.046	U	4.14	2.46		mg/Kg	☼	59	30 - 94
4,6-Dinitro-2-methylphenol	0.067	U F1	8.27	2.65	F1	mg/Kg	☼	32	67 - 120
4-Bromophenyl phenyl ether	0.016	U	4.14	2.88		mg/Kg	☼	70	59 - 122
4-Chloro-3-methylphenol	0.023	U	4.14	2.82		mg/Kg	☼	68	62 - 111
4-Chloroaniline	0.029	U	4.14	2.34		mg/Kg	☼	56	18 - 94
4-Chlorophenyl phenyl ether	0.014	U	4.14	2.80		mg/Kg	☼	68	66 - 110
4-Methylphenol	0.026	U	4.14	2.86		mg/Kg	☼	69	61 - 105
4-Nitroaniline	0.047	U	4.14	2.62		mg/Kg	☼	63	49 - 118
4-Nitrophenol	0.067	U	8.27	3.56		mg/Kg	☼	43	43 - 141
Acenaphthene	0.030	U F1	4.14	2.46	F1	mg/Kg	☼	59	62 - 108
Acenaphthylene	0.0042	U	4.14	2.76		mg/Kg	☼	67	67 - 107
Acetophenone	0.020	U	4.14	2.71		mg/Kg	☼	66	60 - 109
Anthracene	0.012	U	4.14	2.88		mg/Kg	☼	70	69 - 111
Atrazine	0.010	U	8.27	6.22		mg/Kg	☼	75	62 - 137
Benzaldehyde	0.018	U	8.27	5.40		mg/Kg	☼	65	52 - 113
Benzo[a]anthracene	0.032	J	4.14	3.09		mg/Kg	☼	74	68 - 110
Benzo[a]pyrene	0.022	J F1	4.14	2.79	F1	mg/Kg	☼	67	72 - 115
Benzo[b]fluoranthene	0.028	J	4.14	3.00		mg/Kg	☼	72	69 - 119
Benzo[g,h,i]perylene	0.012	J	4.14	3.07		mg/Kg	☼	74	54 - 128
Benzo[k]fluoranthene	0.014	J	4.14	3.06		mg/Kg	☼	74	70 - 115
Bis(2-chloroethoxy)methane	0.032	U F1	4.14	2.65	F1	mg/Kg	☼	64	65 - 106
Bis(2-chloroethyl)ether	0.014	U	4.14	2.80		mg/Kg	☼	68	64 - 105
Bis(2-ethylhexyl) phthalate	0.022	U	4.14	3.05		mg/Kg	☼	74	63 - 125
Butyl benzyl phthalate	0.019	U	4.14	3.20		mg/Kg	☼	77	65 - 125
Caprolactam	0.064	U	8.27	5.58		mg/Kg	☼	68	53 - 148
Carbazole	0.016	U	4.14	2.81		mg/Kg	☼	68	66 - 115
Chrysene	0.026	J	4.14	3.17		mg/Kg	☼	76	70 - 111
Dibenz(a,h)anthracene	0.018	U	4.14	3.22		mg/Kg	☼	78	60 - 130
Dibenzofuran	0.0058	U	4.14	2.75		mg/Kg	☼	67	67 - 107
Diethyl phthalate	0.0059	U	4.14	2.84		mg/Kg	☼	69	66 - 117
Dimethyl phthalate	0.093	U	4.14	2.80		mg/Kg	☼	68	68 - 112
Di-n-butyl phthalate	0.072	U	4.14	2.90		mg/Kg	☼	70	67 - 119
Di-n-octyl phthalate	0.022	U	4.14	2.98		mg/Kg	☼	72	57 - 138
Fluoranthene	0.047	J	4.14	2.77		mg/Kg	☼	66	64 - 114
Fluorene	0.0056	U	4.14	2.76		mg/Kg	☼	67	66 - 110
Hexachlorobenzene	0.019	U	4.14	3.08		mg/Kg	☼	75	57 - 128
Hexachlorobutadiene	0.0087	U	4.14	2.78		mg/Kg	☼	67	60 - 108
Hexachlorocyclopentadiene	0.036	U	4.14	2.79		mg/Kg	☼	67	50 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201477-E-1-C MS
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachloroethane	0.014	U	4.14	2.64		mg/Kg	☼	64	63 - 99
Indeno[1,2,3-cd]pyrene	0.016	U	4.14	3.11		mg/Kg	☼	75	53 - 137
Isophorone	0.12	U F1	4.14	2.65	F1	mg/Kg	☼	64	68 - 111
Naphthalene	0.0071	U	4.14	2.67		mg/Kg	☼	65	65 - 102
Nitrobenzene	0.0099	U	4.14	2.85		mg/Kg	☼	69	66 - 108
N-Nitrosodi-n-propylamine	0.030	U	4.14	2.78		mg/Kg	☼	67	63 - 117
N-Nitrosodiphenylamine	0.0079	U	4.14	2.84		mg/Kg	☼	69	65 - 114
Pentachlorophenol	0.084	U F1	8.27	3.59	F1	mg/Kg	☼	43	56 - 116
Phenanthrene	0.024	J	4.14	2.88		mg/Kg	☼	69	68 - 111
Phenol	0.015	U	4.14	2.85		mg/Kg	☼	69	58 - 103
Pyrene	0.055	J	4.14	3.36		mg/Kg	☼	80	64 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*73*		*10 - 137*
2-Fluorobiphenyl	*75*		*29 - 107*
2-Fluorophenol (Surr)	*77*		*20 - 115*
Nitrobenzene-d5 (Surr)	*74*		*25 - 113*
Phenol-d5 (Surr)	*77*		*28 - 109*
Terphenyl-d14 (Surr)	*98*		*27 - 123*

Lab Sample ID: 460-201477-E-1-D MSD
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0054	U	4.14	2.81		mg/Kg	☼	68	64 - 108	3	30
1,2,4,5-Tetrachlorobenzene	0.013	U	4.14	2.83		mg/Kg	☼	69	57 - 112	5	30
1,4-Dioxane	0.011	U	4.14	1.78		mg/Kg	☼	43	27 - 70	13	30
2,2'-oxybis[1-chloropropane]	0.0074	U	4.14	2.41		mg/Kg	☼	58	39 - 122	2	30
2,3,4,6-Tetrachlorophenol	0.028	U F1	4.14	2.24	F1	mg/Kg	☼	54	60 - 114	9	30
2,4,5-Trichlorophenol	0.042	U	4.14	2.74		mg/Kg	☼	66	60 - 106	5	30
2,4,6-Trichlorophenol	0.053	U F1	4.14	2.64		mg/Kg	☼	64	62 - 110	9	30
2,4-Dichlorophenol	0.026	U	4.14	2.77		mg/Kg	☼	67	61 - 103	3	30
2,4-Dimethylphenol	0.018	U	4.14	2.68		mg/Kg	☼	65	63 - 101	1	30
2,4-Dinitrophenol	0.20	U F1	8.27	1.32	F1	mg/Kg	☼	16	56 - 122	6	30
2,4-Dinitrotoluene	0.044	U	4.14	3.05		mg/Kg	☼	74	66 - 122	4	30
2,6-Dinitrotoluene	0.030	U	4.14	3.03		mg/Kg	☼	73	70 - 114	2	30
2-Chloronaphthalene	0.019	U	4.14	2.85		mg/Kg	☼	69	63 - 107	3	30
2-Chlorophenol	0.015	U	4.14	2.83		mg/Kg	☼	68	62 - 97	4	30
2-Methylnaphthalene	0.011	U	4.14	2.78		mg/Kg	☼	67	65 - 104	2	30
2-Methylphenol	0.015	U	4.14	2.93		mg/Kg	☼	71	61 - 103	4	30
2-Nitroaniline	0.015	U	4.14	2.78		mg/Kg	☼	67	57 - 114	3	30
2-Nitrophenol	0.041	U F1	4.14	2.66	F1	mg/Kg	☼	64	65 - 104	7	30
3,3'-Dichlorobenzidine	0.062	U	4.14	1.77		mg/Kg	☼	43	18 - 88	18	30
3-Nitroaniline	0.046	U	4.14	2.49		mg/Kg	☼	60	30 - 94	1	30
4,6-Dinitro-2-methylphenol	0.067	U F1	8.27	2.79	F1	mg/Kg	☼	34	67 - 120	5	30
4-Bromophenyl phenyl ether	0.016	U	4.14	2.82		mg/Kg	☼	68	59 - 122	2	30
4-Chloro-3-methylphenol	0.023	U	4.14	2.85		mg/Kg	☼	69	62 - 111	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201477-E-1-D MSD
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670664

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chloroaniline	0.029	U	4.14	2.28		mg/Kg	☼	55	18 - 94	3	30
4-Chlorophenyl phenyl ether	0.014	U	4.14	2.91		mg/Kg	☼	70	66 - 110	4	30
4-Methylphenol	0.026	U	4.14	2.90		mg/Kg	☼	70	61 - 105	1	30
4-Nitroaniline	0.047	U	4.14	2.68		mg/Kg	☼	65	49 - 118	2	30
4-Nitrophenol	0.067	U	8.27	4.12		mg/Kg	☼	50	43 - 141	15	30
Acenaphthene	0.030	U F1	4.14	2.51	F1	mg/Kg	☼	61	62 - 108	2	30
Acenaphthylene	0.0042	U	4.14	2.85		mg/Kg	☼	69	67 - 107	3	30
Acetophenone	0.020	U	4.14	2.76		mg/Kg	☼	67	60 - 109	2	30
Anthracene	0.012	U	4.14	2.86		mg/Kg	☼	69	69 - 111	0	30
Atrazine	0.010	U	8.27	6.25		mg/Kg	☼	76	62 - 137	1	30
Benzaldehyde	0.018	U	8.27	5.44		mg/Kg	☼	66	52 - 113	1	30
Benzo[a]anthracene	0.032	J	4.14	2.96		mg/Kg	☼	71	68 - 110	4	30
Benzo[a]pyrene	0.022	J F1	4.14	2.71	F1	mg/Kg	☼	65	72 - 115	3	30
Benzo[b]fluoranthene	0.028	J	4.14	2.92		mg/Kg	☼	70	69 - 119	3	30
Benzo[g,h,i]perylene	0.012	J	4.14	2.94		mg/Kg	☼	71	54 - 128	4	30
Benzo[k]fluoranthene	0.014	J	4.14	3.09		mg/Kg	☼	74	70 - 115	1	30
Bis(2-chloroethoxy)methane	0.032	U F1	4.14	2.72		mg/Kg	☼	66	65 - 106	3	30
Bis(2-chloroethyl)ether	0.014	U	4.14	2.89		mg/Kg	☼	70	64 - 105	3	30
Bis(2-ethylhexyl) phthalate	0.022	U	4.14	2.96		mg/Kg	☼	72	63 - 125	3	30
Butyl benzyl phthalate	0.019	U	4.14	3.18		mg/Kg	☼	77	65 - 125	1	30
Caprolactam	0.064	U	8.27	4.98		mg/Kg	☼	60	53 - 148	11	30
Carbazole	0.016	U	4.14	2.78		mg/Kg	☼	67	66 - 115	1	30
Chrysene	0.026	J	4.14	3.07		mg/Kg	☼	74	70 - 111	3	30
Dibenz(a,h)anthracene	0.018	U	4.14	3.14		mg/Kg	☼	76	60 - 130	2	30
Dibenzofuran	0.0058	U	4.14	2.84		mg/Kg	☼	69	67 - 107	3	30
Diethyl phthalate	0.0059	U	4.14	2.95		mg/Kg	☼	71	66 - 117	4	30
Dimethyl phthalate	0.093	U	4.14	2.89		mg/Kg	☼	70	68 - 112	3	30
Di-n-butyl phthalate	0.072	U	4.14	2.92		mg/Kg	☼	71	67 - 119	1	30
Di-n-octyl phthalate	0.022	U	4.14	3.03		mg/Kg	☼	73	57 - 138	2	30
Fluoranthene	0.047	J	4.14	2.77		mg/Kg	☼	66	64 - 114	0	30
Fluorene	0.0056	U	4.14	2.85		mg/Kg	☼	69	66 - 110	3	30
Hexachlorobenzene	0.019	U	4.14	3.08		mg/Kg	☼	75	57 - 128	0	30
Hexachlorobutadiene	0.0087	U	4.14	2.88		mg/Kg	☼	70	60 - 108	3	30
Hexachlorocyclopentadiene	0.036	U	4.14	2.77		mg/Kg	☼	67	50 - 129	1	30
Hexachloroethane	0.014	U	4.14	2.71		mg/Kg	☼	66	63 - 99	3	30
Indeno[1,2,3-cd]pyrene	0.016	U	4.14	2.97		mg/Kg	☼	72	53 - 137	4	30
Isophorone	0.12	U F1	4.14	2.75	F1	mg/Kg	☼	66	68 - 111	4	30
Naphthalene	0.0071	U	4.14	2.74		mg/Kg	☼	66	65 - 102	3	30
Nitrobenzene	0.0099	U	4.14	2.93		mg/Kg	☼	71	66 - 108	3	30
N-Nitrosodi-n-propylamine	0.030	U	4.14	2.82		mg/Kg	☼	68	63 - 117	2	30
N-Nitrosodiphenylamine	0.0079	U	4.14	2.83		mg/Kg	☼	68	65 - 114	0	30
Pentachlorophenol	0.084	U F1	8.27	3.84	F1	mg/Kg	☼	46	56 - 116	7	30
Phenanthrene	0.024	J	4.14	2.83		mg/Kg	☼	68	68 - 111	2	30
Phenol	0.015	U	4.14	2.87		mg/Kg	☼	69	58 - 103	1	30
Pyrene	0.055	J	4.14	3.33		mg/Kg	☼	79	64 - 121	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 137*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201477-E-1-D MSD
Matrix: Solid
Analysis Batch: 670747

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670664

Surrogate	MSD %Recovery	MSD Qualifier	Limits
2-Fluorobiphenyl	78		29 - 107
2-Fluorophenol (Surr)	80		20 - 115
Nitrobenzene-d5 (Surr)	78		25 - 113
Phenol-d5 (Surr)	79		28 - 109
Terphenyl-d14 (Surr)	99		27 - 123

Lab Sample ID: MB 460-670666/1-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0044	U	0.33	0.0044	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
1,4-Dioxane	0.0091	U	0.10	0.0091	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4-Dimethylphenol	0.015	U	0.33	0.015	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Nitroaniline	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
3-Nitroaniline	0.037	U	0.33	0.037	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4,6-Dinitro-2-methylphenol	0.054	U	0.27	0.054	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Chloroaniline	0.023	U	0.33	0.023	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Acenaphthene	0.024	U	0.33	0.024	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Acenaphthylene	0.0034	U	0.33	0.0034	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Atrazine	0.0083	U	0.13	0.0083	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Benzaldehyde	0.014	U	0.33	0.014	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		01/25/20 11:22	01/26/20 00:51	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670666/1-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670666

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Dibenzofuran	0.0046	U	0.33	0.0046	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Diethyl phthalate	0.0048	U	0.33	0.0048	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Di-n-butyl phthalate	0.058	U	0.33	0.058	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Fluorene	0.0045	U	0.33	0.0045	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Nitrobenzene	0.0079	U	0.033	0.0079	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
N-Nitrosodiphenylamine	0.0063	U	0.33	0.0063	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Phenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 11:22	01/26/20 00:51	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		01/25/20 11:22	01/26/20 00:51	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 137*	*01/25/20 11:22*	*01/26/20 00:51*	*1*
2-Fluorobiphenyl	*87*		*29 - 107*	*01/25/20 11:22*	*01/26/20 00:51*	*1*
2-Fluorophenol (Surr)	*83*		*20 - 115*	*01/25/20 11:22*	*01/26/20 00:51*	*1*
Nitrobenzene-d5 (Surr)	*77*		*25 - 113*	*01/25/20 11:22*	*01/26/20 00:51*	*1*
Phenol-d5 (Surr)	*77*		*28 - 109*	*01/25/20 11:22*	*01/26/20 00:51*	*1*
Terphenyl-d14 (Surr)	*97*		*27 - 123*	*01/25/20 11:22*	*01/26/20 00:51*	*1*

Lab Sample ID: LCS 460-670666/2-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.88		mg/Kg		86	64 - 108
1,2,4,5-Tetrachlorobenzene	3.33	3.45		mg/Kg		103	57 - 112
1,4-Dioxane	3.33	1.70		mg/Kg		51	27 - 70

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670666/2-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,2'-oxybis[1-chloropropane]	3.33	2.30		mg/Kg		69	39 - 122
2,3,4,6-Tetrachlorophenol	3.33	3.20		mg/Kg		96	60 - 114
2,4,5-Trichlorophenol	3.33	3.30		mg/Kg		99	60 - 106
2,4,6-Trichlorophenol	3.33	3.43		mg/Kg		103	62 - 110
2,4-Dichlorophenol	3.33	3.22		mg/Kg		97	61 - 103
2,4-Dimethylphenol	3.33	2.89		mg/Kg		87	63 - 101
2,4-Dinitrophenol	6.67	6.58		mg/Kg		99	56 - 122
2,4-Dinitrotoluene	3.33	2.92		mg/Kg		88	66 - 122
2,6-Dinitrotoluene	3.33	3.00		mg/Kg		90	70 - 114
2-Chloronaphthalene	3.33	2.96		mg/Kg		89	63 - 107
2-Chlorophenol	3.33	2.79		mg/Kg		84	62 - 97
2-Methylnaphthalene	3.33	2.90		mg/Kg		87	65 - 104
2-Methylphenol	3.33	2.63		mg/Kg		79	61 - 103
2-Nitroaniline	3.33	2.48		mg/Kg		74	57 - 114
2-Nitrophenol	3.33	3.14		mg/Kg		94	65 - 104
3,3'-Dichlorobenzidine	3.33	1.45		mg/Kg		44	18 - 88
3-Nitroaniline	3.33	1.96		mg/Kg		59	30 - 94
4,6-Dinitro-2-methylphenol	6.67	6.57		mg/Kg		99	67 - 120
4-Bromophenyl phenyl ether	3.33	3.23		mg/Kg		97	59 - 122
4-Chloro-3-methylphenol	3.33	2.74		mg/Kg		82	62 - 111
4-Chloroaniline	3.33	1.89		mg/Kg		57	18 - 94
4-Chlorophenyl phenyl ether	3.33	3.16		mg/Kg		95	66 - 110
4-Methylphenol	3.33	2.73		mg/Kg		82	61 - 105
4-Nitroaniline	3.33	2.39		mg/Kg		72	49 - 118
4-Nitrophenol	6.67	4.69		mg/Kg		70	43 - 141
Acenaphthene	3.33	2.52		mg/Kg		76	62 - 108
Acenaphthylene	3.33	2.82		mg/Kg		85	67 - 107
Acetophenone	3.33	2.45		mg/Kg		73	60 - 109
Anthracene	3.33	2.89		mg/Kg		87	69 - 111
Benzo[a]anthracene	3.33	2.94		mg/Kg		88	68 - 110
Benzo[a]pyrene	3.33	2.68		mg/Kg		80	72 - 115
Benzo[b]fluoranthene	3.33	3.06		mg/Kg		92	69 - 119
Benzo[g,h,i]perylene	3.33	3.13		mg/Kg		94	54 - 128
Benzo[k]fluoranthene	3.33	2.85		mg/Kg		86	70 - 115
Bis(2-chloroethoxy)methane	3.33	2.64		mg/Kg		79	65 - 106
Bis(2-chloroethyl)ether	3.33	2.57		mg/Kg		77	64 - 105
Bis(2-ethylhexyl) phthalate	3.33	2.51		mg/Kg		75	63 - 125
Butyl benzyl phthalate	3.33	2.60		mg/Kg		78	65 - 125
Carbazole	3.33	2.70		mg/Kg		81	66 - 115
Chrysene	3.33	3.23		mg/Kg		97	70 - 111
Dibenz(a,h)anthracene	3.33	3.19		mg/Kg		96	60 - 130
Dibenzofuran	3.33	2.89		mg/Kg		87	67 - 107
Diethyl phthalate	3.33	2.72		mg/Kg		82	66 - 117
Dimethyl phthalate	3.33	2.76		mg/Kg		83	68 - 112
Di-n-butyl phthalate	3.33	2.57		mg/Kg		77	67 - 119
Di-n-octyl phthalate	3.33	2.40		mg/Kg		72	57 - 138
Fluoranthene	3.33	2.91		mg/Kg		87	64 - 114
Fluorene	3.33	2.86		mg/Kg		86	66 - 110
Hexachlorobenzene	3.33	3.42		mg/Kg		102	57 - 128

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670666/2-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorobutadiene	3.33	3.75	*	mg/Kg		112	60 - 108
Hexachlorocyclopentadiene	3.33	3.54		mg/Kg		106	50 - 129
Hexachloroethane	3.33	2.58		mg/Kg		77	63 - 99
Indeno[1,2,3-cd]pyrene	3.33	3.22		mg/Kg		97	53 - 137
Isophorone	3.33	2.59		mg/Kg		78	68 - 111
Naphthalene	3.33	2.83		mg/Kg		85	65 - 102
Nitrobenzene	3.33	2.59		mg/Kg		78	66 - 108
N-Nitrosodi-n-propylamine	3.33	2.41		mg/Kg		72	63 - 117
N-Nitrosodiphenylamine	3.33	2.85		mg/Kg		85	65 - 114
Pentachlorophenol	6.67	5.40		mg/Kg		81	56 - 116
Phenanthrene	3.33	2.83		mg/Kg		85	68 - 111
Phenol	3.33	2.65		mg/Kg		80	58 - 103
Pyrene	3.33	3.10		mg/Kg		93	64 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*103*		*10 - 137*
2-Fluorobiphenyl	*90*		*29 - 107*
2-Fluorophenol (Surr)	*83*		*20 - 115*
Nitrobenzene-d5 (Surr)	*80*		*25 - 113*
Phenol-d5 (Surr)	*82*		*28 - 109*
Terphenyl-d14 (Surr)	*101*		*27 - 123*

Lab Sample ID: LCS 460-670666/4-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6.67	6.85		mg/Kg		103	62 - 137
Benzaldehyde	6.67	3.86		mg/Kg		58	52 - 113
Caprolactam	6.67	6.45		mg/Kg		97	53 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*10 - 137*
2-Fluorobiphenyl	*90*		*29 - 107*
2-Fluorophenol (Surr)	*85*		*20 - 115*
Nitrobenzene-d5 (Surr)	*79*		*25 - 113*
Phenol-d5 (Surr)	*83*		*28 - 109*
Terphenyl-d14 (Surr)	*101*		*27 - 123*

Lab Sample ID: LCSD 460-670666/3-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.79		mg/Kg		84	64 - 108	3	30
1,2,4,5-Tetrachlorobenzene	3.33	3.33		mg/Kg		100	57 - 112	4	30
1,4-Dioxane	3.33	1.63		mg/Kg		49	27 - 70	4	30
2,2'-oxybis[1-chloropropane]	3.33	2.17		mg/Kg		65	39 - 122	6	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670666/3-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,3,4,6-Tetrachlorophenol	3.33	3.20		mg/Kg		96	60 - 114	0	30
2,4,5-Trichlorophenol	3.33	3.09		mg/Kg		93	60 - 106	6	30
2,4,6-Trichlorophenol	3.33	3.38		mg/Kg		101	62 - 110	1	30
2,4-Dichlorophenol	3.33	3.12		mg/Kg		94	61 - 103	3	30
2,4-Dimethylphenol	3.33	2.77		mg/Kg		83	63 - 101	4	30
2,4-Dinitrophenol	6.67	6.60		mg/Kg		99	56 - 122	0	30
2,4-Dinitrotoluene	3.33	2.89		mg/Kg		87	66 - 122	1	30
2,6-Dinitrotoluene	3.33	2.91		mg/Kg		87	70 - 114	3	30
2-Chloronaphthalene	3.33	2.88		mg/Kg		86	63 - 107	3	30
2-Chlorophenol	3.33	2.65		mg/Kg		79	62 - 97	5	30
2-Methylnaphthalene	3.33	2.75		mg/Kg		83	65 - 104	5	30
2-Methylphenol	3.33	2.51		mg/Kg		75	61 - 103	5	30
2-Nitroaniline	3.33	2.43		mg/Kg		73	57 - 114	2	30
2-Nitrophenol	3.33	3.04		mg/Kg		91	65 - 104	3	30
3,3'-Dichlorobenzidine	3.33	1.41		mg/Kg		42	18 - 88	3	30
3-Nitroaniline	3.33	1.90		mg/Kg		57	30 - 94	3	30
4,6-Dinitro-2-methylphenol	6.67	6.44		mg/Kg		97	67 - 120	2	30
4-Bromophenyl phenyl ether	3.33	3.11		mg/Kg		93	59 - 122	4	30
4-Chloro-3-methylphenol	3.33	2.70		mg/Kg		81	62 - 111	1	30
4-Chloroaniline	3.33	1.76		mg/Kg		53	18 - 94	7	30
4-Chlorophenyl phenyl ether	3.33	3.14		mg/Kg		94	66 - 110	1	30
4-Methylphenol	3.33	2.53		mg/Kg		76	61 - 105	8	30
4-Nitroaniline	3.33	2.32		mg/Kg		70	49 - 118	3	30
4-Nitrophenol	6.67	4.74		mg/Kg		71	43 - 141	1	30
Acenaphthene	3.33	2.47		mg/Kg		74	62 - 108	2	30
Acenaphthylene	3.33	2.81		mg/Kg		84	67 - 107	0	30
Acetophenone	3.33	2.33		mg/Kg		70	60 - 109	5	30
Anthracene	3.33	2.71		mg/Kg		81	69 - 111	6	30
Benzo[a]anthracene	3.33	2.82		mg/Kg		85	68 - 110	4	30
Benzo[a]pyrene	3.33	2.65		mg/Kg		79	72 - 115	1	30
Benzo[b]fluoranthene	3.33	2.71		mg/Kg		81	69 - 119	12	30
Benzo[g,h,i]perylene	3.33	3.03		mg/Kg		91	54 - 128	3	30
Benzo[k]fluoranthene	3.33	3.00		mg/Kg		90	70 - 115	5	30
Bis(2-chloroethoxy)methane	3.33	2.53		mg/Kg		76	65 - 106	4	30
Bis(2-chloroethyl)ether	3.33	2.42		mg/Kg		72	64 - 105	6	30
Bis(2-ethylhexyl) phthalate	3.33	2.43		mg/Kg		73	63 - 125	3	30
Butyl benzyl phthalate	3.33	2.48		mg/Kg		74	65 - 125	5	30
Carbazole	3.33	2.56		mg/Kg		77	66 - 115	5	30
Chrysene	3.33	3.13		mg/Kg		94	70 - 111	3	30
Dibenz(a,h)anthracene	3.33	3.11		mg/Kg		93	60 - 130	2	30
Dibenzofuran	3.33	2.83		mg/Kg		85	67 - 107	2	30
Diethyl phthalate	3.33	2.69		mg/Kg		81	66 - 117	1	30
Dimethyl phthalate	3.33	2.65		mg/Kg		79	68 - 112	4	30
Di-n-butyl phthalate	3.33	2.41		mg/Kg		72	67 - 119	7	30
Di-n-octyl phthalate	3.33	2.30		mg/Kg		69	57 - 138	4	30
Fluoranthene	3.33	2.76		mg/Kg		83	64 - 114	5	30
Fluorene	3.33	2.83		mg/Kg		85	66 - 110	1	30
Hexachlorobenzene	3.33	3.26		mg/Kg		98	57 - 128	5	30
Hexachlorobutadiene	3.33	3.60		mg/Kg		108	60 - 108	4	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670666/3-A
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670666

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			3.33	3.40		mg/Kg		102	50 - 129	4	30
Hexachloroethane			3.33	2.48		mg/Kg		74	63 - 99	4	30
Indeno[1,2,3-cd]pyrene			3.33	3.14		mg/Kg		94	53 - 137	3	30
Isophorone			3.33	2.44		mg/Kg		73	68 - 111	6	30
Naphthalene			3.33	2.69		mg/Kg		81	65 - 102	5	30
Nitrobenzene			3.33	2.46		mg/Kg		74	66 - 108	5	30
N-Nitrosodi-n-propylamine			3.33	2.26		mg/Kg		68	63 - 117	6	30
N-Nitrosodiphenylamine			3.33	2.71		mg/Kg		81	65 - 114	5	30
Pentachlorophenol			6.67	5.21		mg/Kg		78	56 - 116	4	30
Phenanthrene			3.33	2.76		mg/Kg		83	68 - 111	3	30
Phenol			3.33	2.52		mg/Kg		76	58 - 103	5	30
Pyrene			3.33	2.99		mg/Kg		90	64 - 121	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*102*		*10 - 137*
2-Fluorobiphenyl	*88*		*29 - 107*
2-Fluorophenol (Surr)	*78*		*20 - 115*
Nitrobenzene-d5 (Surr)	*75*		*25 - 113*
Phenol-d5 (Surr)	*77*		*28 - 109*
Terphenyl-d14 (Surr)	*99*		*27 - 123*

Lab Sample ID: 460-201481-A-3-A MS
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.0049	U	3.74	1.75	F1	mg/Kg	☼	47	64 - 108
1,2,4,5-Tetrachlorobenzene	0.012	U	3.74	2.05	F1	mg/Kg	☼	55	57 - 112
1,4-Dioxane	0.010	U	3.74	0.954	F1	mg/Kg	☼	25	27 - 70
2,2'-oxybis[1-chloropropane]	0.0067	U	3.74	1.34	F1	mg/Kg	☼	36	39 - 122
2,3,4,6-Tetrachlorophenol	0.025	U	3.74	0.625	F1	mg/Kg	☼	17	60 - 114
2,4,5-Trichlorophenol	0.038	U	3.74	1.32	F1	mg/Kg	☼	35	60 - 106
2,4,6-Trichlorophenol	0.048	U	3.74	0.983	F1	mg/Kg	☼	26	62 - 110
2,4-Dichlorophenol	0.024	U	3.74	1.79	F1	mg/Kg	☼	48	61 - 103
2,4-Dimethylphenol	0.016	U	3.74	1.78	F1	mg/Kg	☼	47	63 - 101
2,4-Dinitrophenol	0.18	U	7.48	1.06	F1	mg/Kg	☼	14	56 - 122
2,4-Dinitrotoluene	0.040	U	3.74	1.71	F1	mg/Kg	☼	46	66 - 122
2,6-Dinitrotoluene	0.027	U	3.74	1.81	F1	mg/Kg	☼	48	70 - 114
2-Chloronaphthalene	0.017	U	3.74	1.78	F1	mg/Kg	☼	48	63 - 107
2-Chlorophenol	0.013	U	3.74	1.69	F1	mg/Kg	☼	45	62 - 97
2-Methylnaphthalene	0.010	J	3.74	1.72	F1	mg/Kg	☼	46	65 - 104
2-Methylphenol	0.014	U	3.74	1.61	F1	mg/Kg	☼	43	61 - 103
2-Nitroaniline	0.014	U	3.74	1.48	F1	mg/Kg	☼	39	57 - 114
2-Nitrophenol	0.037	U	3.74	1.23	F1	mg/Kg	☼	33	65 - 104
3,3'-Dichlorobenzidine	0.056	U	3.74	1.60		mg/Kg	☼	43	18 - 88
3-Nitroaniline	0.042	U	3.74	1.55		mg/Kg	☼	41	30 - 94
4,6-Dinitro-2-methylphenol	0.060	U	7.48	1.43	F1	mg/Kg	☼	19	67 - 120
4-Bromophenyl phenyl ether	0.015	U	3.74	1.89	F1	mg/Kg	☼	51	59 - 122

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201481-A-3-A MS
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Chloro-3-methylphenol	0.021	U	3.74	1.63	F1	mg/Kg	☼	43	62 - 111
4-Chloroaniline	0.026	U	3.74	1.71		mg/Kg	☼	46	18 - 94
4-Chlorophenyl phenyl ether	0.013	U	3.74	1.87	F1	mg/Kg	☼	50	66 - 110
4-Methylphenol	0.023	U	3.74	1.69	F1	mg/Kg	☼	45	61 - 105
4-Nitroaniline	0.043	U	3.74	1.46	F1	mg/Kg	☼	39	49 - 118
4-Nitrophenol	0.061	U	7.48	1.66	F1	mg/Kg	☼	22	43 - 141
Acenaphthene	0.027	U	3.74	1.53	F1	mg/Kg	☼	41	62 - 108
Acenaphthylene	0.0038	U	3.74	1.72	F1	mg/Kg	☼	46	67 - 107
Acetophenone	0.018	U	3.74	1.49	F1	mg/Kg	☼	40	60 - 109
Anthracene	0.011	U	3.74	1.67	F1	mg/Kg	☼	45	69 - 111
Atrazine	0.0094	U	7.48	3.87	F1	mg/Kg	☼	52	62 - 137
Benzaldehyde	0.016	U	7.48	3.00	F1	mg/Kg	☼	40	52 - 113
Benzo[a]anthracene	0.097		3.74	1.67	F1	mg/Kg	☼	42	68 - 110
Benzo[a]pyrene	0.072		3.74	1.50	F1	mg/Kg	☼	38	72 - 115
Benzo[b]fluoranthene	0.11		3.74	1.74	F1	mg/Kg	☼	44	69 - 119
Benzo[g,h,i]perylene	0.054	J	3.74	1.11	F1	mg/Kg	☼	28	54 - 128
Benzo[k]fluoranthene	0.040		3.74	1.72	F1	mg/Kg	☼	45	70 - 115
Bis(2-chloroethoxy)methane	0.029	U	3.74	1.66	F1	mg/Kg	☼	44	65 - 106
Bis(2-chloroethyl)ether	0.013	U	3.74	1.55	F1	mg/Kg	☼	41	64 - 105
Bis(2-ethylhexyl) phthalate	4.7		3.74	3.40	F1	mg/Kg	☼	-34	63 - 125
Butyl benzyl phthalate	0.68		3.74	1.73	F1	mg/Kg	☼	28	65 - 125
Caprolactam	0.058	U	7.48	3.47	F1	mg/Kg	☼	46	53 - 148
Carbazole	0.014	U	3.74	1.58	F1	mg/Kg	☼	42	66 - 115
Chrysene	0.13	J	3.74	1.84	F1	mg/Kg	☼	46	70 - 111
Dibenz(a,h)anthracene	0.020	J	3.74	1.25	F1	mg/Kg	☼	33	60 - 130
Dibenzofuran	0.0052	U	3.74	1.74	F1	mg/Kg	☼	46	67 - 107
Diethyl phthalate	0.0054	U	3.74	1.52	F1	mg/Kg	☼	41	66 - 117
Dimethyl phthalate	0.084	U	3.74	1.70	F1	mg/Kg	☼	45	68 - 112
Di-n-butyl phthalate	0.066	U	3.74	1.50	F1	mg/Kg	☼	40	67 - 119
Di-n-octyl phthalate	0.020	U	3.74	1.36	F1	mg/Kg	☼	36	57 - 138
Fluoranthene	0.16	J	3.74	1.71	F1	mg/Kg	☼	42	64 - 114
Fluorene	0.0050	U	3.74	1.71	F1	mg/Kg	☼	46	66 - 110
Hexachlorobenzene	0.018	U	3.74	1.93	F1	mg/Kg	☼	52	57 - 128
Hexachlorobutadiene	0.0079	U	3.74	2.05	F1	mg/Kg	☼	55	60 - 108
Hexachlorocyclopentadiene	0.033	U	3.74	0.570	F1	mg/Kg	☼	15	50 - 129
Hexachloroethane	0.013	U	3.74	1.37	F1	mg/Kg	☼	37	63 - 99
Indeno[1,2,3-cd]pyrene	0.056		3.74	1.21	F1	mg/Kg	☼	31	53 - 137
Isophorone	0.11	U	3.74	1.60	F1	mg/Kg	☼	43	68 - 111
Naphthalene	0.020	J	3.74	1.69	F1	mg/Kg	☼	45	65 - 102
Nitrobenzene	0.0089	U	3.74	1.61	F1	mg/Kg	☼	43	66 - 108
N-Nitrosodi-n-propylamine	0.027	U	3.74	1.47	F1	mg/Kg	☼	39	63 - 117
N-Nitrosodiphenylamine	0.0071	U	3.74	1.71	F1	mg/Kg	☼	46	65 - 114
Pentachlorophenol	0.076	U	7.48	1.17	F1	mg/Kg	☼	16	56 - 116
Phenanthrene	0.14	J	3.74	1.72	F1	mg/Kg	☼	42	68 - 111
Phenol	0.014	U	3.74	1.66	F1	mg/Kg	☼	44	58 - 103
Pyrene	0.21	J	3.74	1.64	F1	mg/Kg	☼	38	64 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201481-A-3-A MS
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670666

Surrogate	MS %Recovery	MS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*30*		*10 - 137*
2-Fluorobiphenyl	*57*		*29 - 107*
2-Fluorophenol (Surr)	*53*		*20 - 115*
Nitrobenzene-d5 (Surr)	*50*		*25 - 113*
Phenol-d5 (Surr)	*53*		*28 - 109*
Terphenyl-d14 (Surr)	*55*		*27 - 123*

Lab Sample ID: 460-201481-A-3-B MSD
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0049	U	3.74	1.94	F1	mg/Kg	☼	52	64 - 108	10	30
1,2,4,5-Tetrachlorobenzene	0.012	U	3.74	2.14		mg/Kg	☼	57	57 - 112	4	30
1,4-Dioxane	0.010	U	3.74	0.857	F1	mg/Kg	☼	23	27 - 70	11	30
2,2'-oxybis[1-chloropropane]	0.0067	U	3.74	1.24	F1	mg/Kg	☼	33	39 - 122	8	30
2,3,4,6-Tetrachlorophenol	0.025	U	3.74	0.508	F1	mg/Kg	☼	14	60 - 114	21	30
2,4,5-Trichlorophenol	0.038	U	3.74	1.45	F1	mg/Kg	☼	39	60 - 106	9	30
2,4,6-Trichlorophenol	0.048	U	3.74	0.828	F1	mg/Kg	☼	22	62 - 110	17	30
2,4-Dichlorophenol	0.024	U	3.74	1.82	F1	mg/Kg	☼	49	61 - 103	2	30
2,4-Dimethylphenol	0.016	U	3.74	1.86	F1	mg/Kg	☼	50	63 - 101	5	30
2,4-Dinitrophenol	0.18	U	7.48	0.943	F1	mg/Kg	☼	13	56 - 122	12	30
2,4-Dinitrotoluene	0.040	U	3.74	2.12	F1	mg/Kg	☼	57	66 - 122	21	30
2,6-Dinitrotoluene	0.027	U	3.74	2.21	F1	mg/Kg	☼	59	70 - 114	20	30
2-Chloronaphthalene	0.017	U	3.74	1.90	F1	mg/Kg	☼	51	63 - 107	7	30
2-Chlorophenol	0.013	U	3.74	1.54	F1	mg/Kg	☼	41	62 - 97	9	30
2-Methylnaphthalene	0.010	J	3.74	1.74	F1	mg/Kg	☼	47	65 - 104	1	30
2-Methylphenol	0.014	U	3.74	1.61	F1	mg/Kg	☼	43	61 - 103	0	30
2-Nitroaniline	0.014	U	3.74	1.81	F1	mg/Kg	☼	48	57 - 114	20	30
2-Nitrophenol	0.037	U	3.74	0.902	F1	mg/Kg	☼	24	65 - 104	30	30
3,3'-Dichlorobenzidine	0.056	U	3.74	2.12		mg/Kg	☼	57	18 - 88	28	30
3-Nitroaniline	0.042	U	3.74	2.02		mg/Kg	☼	54	30 - 94	26	30
4,6-Dinitro-2-methylphenol	0.060	U	7.48	1.43	F1	mg/Kg	☼	19	67 - 120	0	30
4-Bromophenyl phenyl ether	0.015	U	3.74	2.36		mg/Kg	☼	63	59 - 122	22	30
4-Chloro-3-methylphenol	0.021	U	3.74	1.91	F1	mg/Kg	☼	51	62 - 111	16	30
4-Chloroaniline	0.026	U	3.74	1.64		mg/Kg	☼	44	18 - 94	4	30
4-Chlorophenyl phenyl ether	0.013	U	3.74	2.29	F1	mg/Kg	☼	61	66 - 110	20	30
4-Methylphenol	0.023	U	3.74	1.65	F1	mg/Kg	☼	44	61 - 105	3	30
4-Nitroaniline	0.043	U	3.74	1.90		mg/Kg	☼	51	49 - 118	26	30
4-Nitrophenol	0.061	U	7.48	1.32	F1	mg/Kg	☼	18	43 - 141	23	30
Acenaphthene	0.027	U	3.74	1.78	F1	mg/Kg	☼	48	62 - 108	15	30
Acenaphthylene	0.0038	U	3.74	1.96	F1	mg/Kg	☼	52	67 - 107	14	30
Acetophenone	0.018	U	3.74	1.42	F1	mg/Kg	☼	38	60 - 109	5	30
Anthracene	0.011	U	3.74	2.16	F1	mg/Kg	☼	58	69 - 111	25	30
Atrazine	0.0094	U	7.48	4.95		mg/Kg	☼	66	62 - 137	25	30
Benzaldehyde	0.016	U	7.48	2.76	F1	mg/Kg	☼	37	52 - 113	8	30
Benzo[a]anthracene	0.097		3.74	2.33	F1 F2	mg/Kg	☼	60	68 - 110	33	30
Benzo[a]pyrene	0.072		3.74	2.03	F1	mg/Kg	☼	52	72 - 115	30	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201481-A-3-B MSD
Matrix: Solid
Analysis Batch: 670756

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670666

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzo[b]fluoranthene	0.11		3.74	2.39	F1 F2	mg/Kg	☼	61	69 - 119	32	30
Benzo[g,h,i]perylene	0.054	J	3.74	1.46	F1	mg/Kg	☼	38	54 - 128	28	30
Benzo[k]fluoranthene	0.040		3.74	2.26	F1	mg/Kg	☼	59	70 - 115	27	30
Bis(2-chloroethoxy)methane	0.029	U	3.74	1.62	F1	mg/Kg	☼	43	65 - 106	3	30
Bis(2-chloroethyl)ether	0.013	U	3.74	1.44	F1	mg/Kg	☼	38	64 - 105	7	30
Bis(2-ethylhexyl) phthalate	4.7		3.74	3.91	F1	mg/Kg	☼	-20	63 - 125	14	30
Butyl benzyl phthalate	0.68		3.74	2.17	F1	mg/Kg	☼	40	65 - 125	23	30
Caprolactam	0.058	U	7.48	3.87	F1	mg/Kg	☼	52	53 - 148	11	30
Carbazole	0.014	U	3.74	2.06	F1	mg/Kg	☼	55	66 - 115	26	30
Chrysene	0.13	J	3.74	2.43	F1	mg/Kg	☼	62	70 - 111	28	30
Dibenz(a,h)anthracene	0.020	J	3.74	1.65	F1	mg/Kg	☼	44	60 - 130	28	30
Dibenzofuran	0.0052	U	3.74	2.08	F1	mg/Kg	☼	56	67 - 107	18	30
Diethyl phthalate	0.0054	U	3.74	2.00	F1	mg/Kg	☼	53	66 - 117	27	30
Dimethyl phthalate	0.084	U	3.74	2.07	F1	mg/Kg	☼	55	68 - 112	20	30
Di-n-butyl phthalate	0.066	U	3.74	1.97	F1	mg/Kg	☼	53	67 - 119	27	30
Di-n-octyl phthalate	0.020	U	3.74	1.79	F1	mg/Kg	☼	48	57 - 138	27	30
Fluoranthene	0.16	J	3.74	2.33	F1	mg/Kg	☼	58	64 - 114	30	30
Fluorene	0.0050	U	3.74	2.07	F1	mg/Kg	☼	55	66 - 110	19	30
Hexachlorobenzene	0.018	U	3.74	2.44		mg/Kg	☼	65	57 - 128	24	30
Hexachlorobutadiene	0.0079	U	3.74	2.02	F1	mg/Kg	☼	54	60 - 108	1	30
Hexachlorocyclopentadiene	0.033	U	3.74	0.353	J F1 F2	mg/Kg	☼	9	50 - 129	47	30
Hexachloroethane	0.013	U	3.74	1.26	F1	mg/Kg	☼	34	63 - 99	9	30
Indeno[1,2,3-cd]pyrene	0.056		3.74	1.62	F1	mg/Kg	☼	42	53 - 137	29	30
Isophorone	0.11	U	3.74	1.59	F1	mg/Kg	☼	42	68 - 111	1	30
Naphthalene	0.020	J	3.74	1.63	F1	mg/Kg	☼	43	65 - 102	3	30
Nitrobenzene	0.0089	U	3.74	1.49	F1	mg/Kg	☼	40	66 - 108	8	30
N-Nitrosodi-n-propylamine	0.027	U	3.74	1.38	F1	mg/Kg	☼	37	63 - 117	6	30
N-Nitrosodiphenylamine	0.0071	U	3.74	2.11	F1	mg/Kg	☼	57	65 - 114	21	30
Pentachlorophenol	0.076	U	7.48	1.21	F1	mg/Kg	☼	16	56 - 116	3	30
Phenanthrene	0.14	J	3.74	2.19	F1	mg/Kg	☼	55	68 - 111	24	30
Phenol	0.014	U	3.74	1.60	F1	mg/Kg	☼	43	58 - 103	4	30
Pyrene	0.21	J	3.74	2.17	F1	mg/Kg	☼	53	64 - 121	28	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*28*		*10 - 137*
2-Fluorobiphenyl	*62*		*29 - 107*
2-Fluorophenol (Surr)	*48*		*20 - 115*
Nitrobenzene-d5 (Surr)	*48*		*25 - 113*
Phenol-d5 (Surr)	*51*		*28 - 109*
Terphenyl-d14 (Surr)	*72*		*27 - 123*

Lab Sample ID: MB 460-670671/1-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0044	U	0.33	0.0044	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		01/25/20 12:43	01/26/20 00:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670671/1-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.0091	U	0.10	0.0091	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4-Dimethylphenol	0.015	U	0.33	0.015	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Nitroaniline	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
3-Nitroaniline	0.037	U	0.33	0.037	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4,6-Dinitro-2-methylphenol	0.054	U	0.27	0.054	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Chloroaniline	0.023	U	0.33	0.023	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Acenaphthene	0.024	U	0.33	0.024	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Acenaphthylene	0.0034	U	0.33	0.0034	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Atrazine	0.0083	U	0.13	0.0083	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzaldehyde	0.014	U	0.33	0.014	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Dibenzofuran	0.0046	U	0.33	0.0046	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Diethyl phthalate	0.0048	U	0.33	0.0048	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Di-n-butyl phthalate	0.058	U	0.33	0.058	mg/Kg		01/25/20 12:43	01/26/20 00:20	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670671/1-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670671

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Fluorene	0.0045	U	0.33	0.0045	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Nitrobenzene	0.0079	U	0.033	0.0079	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
N-Nitrosodiphenylamine	0.0063	U	0.33	0.0063	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Phenol	0.012	U	0.33	0.012	mg/Kg		01/25/20 12:43	01/26/20 00:20	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		01/25/20 12:43	01/26/20 00:20	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*85*		*10 - 137*	*01/25/20 12:43*	*01/26/20 00:20*	*1*
2-Fluorobiphenyl	*77*		*29 - 107*	*01/25/20 12:43*	*01/26/20 00:20*	*1*
2-Fluorophenol (Surr)	*78*		*20 - 115*	*01/25/20 12:43*	*01/26/20 00:20*	*1*
Nitrobenzene-d5 (Surr)	*81*		*25 - 113*	*01/25/20 12:43*	*01/26/20 00:20*	*1*
Phenol-d5 (Surr)	*78*		*28 - 109*	*01/25/20 12:43*	*01/26/20 00:20*	*1*
Terphenyl-d14 (Surr)	*86*		*27 - 123*	*01/25/20 12:43*	*01/26/20 00:20*	*1*

Lab Sample ID: LCS 460-670671/2-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	2.48		mg/Kg		74	64 - 108
1,2,4,5-Tetrachlorobenzene	3.33	2.42		mg/Kg		73	57 - 112
1,4-Dioxane	3.33	1.80		mg/Kg		54	27 - 70
2,2'-oxybis[1-chloropropane]	3.33	2.38		mg/Kg		71	39 - 122
2,3,4,6-Tetrachlorophenol	3.33	2.59		mg/Kg		78	60 - 114
2,4,5-Trichlorophenol	3.33	2.54		mg/Kg		76	60 - 106
2,4,6-Trichlorophenol	3.33	2.61		mg/Kg		78	62 - 110
2,4-Dichlorophenol	3.33	2.55		mg/Kg		77	61 - 103
2,4-Dimethylphenol	3.33	2.48		mg/Kg		74	63 - 101
2,4-Dinitrophenol	6.67	6.79		mg/Kg		102	56 - 122
2,4-Dinitrotoluene	3.33	2.99		mg/Kg		90	66 - 122
2,6-Dinitrotoluene	3.33	2.84		mg/Kg		85	70 - 114
2-Chloronaphthalene	3.33	2.49		mg/Kg		75	63 - 107
2-Chlorophenol	3.33	2.53		mg/Kg		76	62 - 97
2-Methylnaphthalene	3.33	2.48		mg/Kg		74	65 - 104
2-Methylphenol	3.33	2.55		mg/Kg		76	61 - 103
2-Nitroaniline	3.33	2.81		mg/Kg		84	57 - 114

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670671/2-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitrophenol	3.33	2.73		mg/Kg		82	65 - 104
3,3'-Dichlorobenzidine	3.33	2.13		mg/Kg		64	18 - 88
3-Nitroaniline	3.33	2.23		mg/Kg		67	30 - 94
4,6-Dinitro-2-methylphenol	6.67	6.67		mg/Kg		100	67 - 120
4-Bromophenyl phenyl ether	3.33	2.53		mg/Kg		76	59 - 122
4-Chloro-3-methylphenol	3.33	2.53		mg/Kg		76	62 - 111
4-Chloroaniline	3.33	1.87		mg/Kg		56	18 - 94
4-Chlorophenyl phenyl ether	3.33	2.48		mg/Kg		74	66 - 110
4-Methylphenol	3.33	2.57		mg/Kg		77	61 - 105
4-Nitroaniline	3.33	2.49		mg/Kg		75	49 - 118
4-Nitrophenol	6.67	5.35		mg/Kg		80	43 - 141
Acenaphthene	3.33	2.52		mg/Kg		76	62 - 108
Acenaphthylene	3.33	2.49		mg/Kg		75	67 - 107
Acetophenone	3.33	2.43		mg/Kg		73	60 - 109
Anthracene	3.33	2.59		mg/Kg		78	69 - 111
Benzo[a]anthracene	3.33	2.56		mg/Kg		77	68 - 110
Benzo[a]pyrene	3.33	2.32	*	mg/Kg		70	72 - 115
Benzo[b]fluoranthene	3.33	2.49		mg/Kg		75	69 - 119
Benzo[g,h,i]perylene	3.33	2.48		mg/Kg		74	54 - 128
Benzo[k]fluoranthene	3.33	2.57		mg/Kg		77	70 - 115
Bis(2-chloroethoxy)methane	3.33	2.49		mg/Kg		75	65 - 106
Bis(2-chloroethyl)ether	3.33	2.55		mg/Kg		76	64 - 105
Bis(2-ethylhexyl) phthalate	3.33	2.83		mg/Kg		85	63 - 125
Butyl benzyl phthalate	3.33	2.81		mg/Kg		84	65 - 125
Carbazole	3.33	2.60		mg/Kg		78	66 - 115
Chrysene	3.33	2.69		mg/Kg		81	70 - 111
Dibenz(a,h)anthracene	3.33	2.74		mg/Kg		82	60 - 130
Dibenzofuran	3.33	2.50		mg/Kg		75	67 - 107
Diethyl phthalate	3.33	2.49		mg/Kg		75	66 - 117
Dimethyl phthalate	3.33	2.45		mg/Kg		73	68 - 112
Di-n-butyl phthalate	3.33	2.63		mg/Kg		79	67 - 119
Di-n-octyl phthalate	3.33	2.65		mg/Kg		80	57 - 138
Fluoranthene	3.33	2.53		mg/Kg		76	64 - 114
Fluorene	3.33	2.51		mg/Kg		75	66 - 110
Hexachlorobenzene	3.33	2.67		mg/Kg		80	57 - 128
Hexachlorobutadiene	3.33	2.37		mg/Kg		71	60 - 108
Hexachlorocyclopentadiene	3.33	3.03		mg/Kg		91	50 - 129
Hexachloroethane	3.33	2.51		mg/Kg		75	63 - 99
Indeno[1,2,3-cd]pyrene	3.33	2.78		mg/Kg		83	53 - 137
Isophorone	3.33	2.42		mg/Kg		73	68 - 111
Naphthalene	3.33	2.43		mg/Kg		73	65 - 102
Nitrobenzene	3.33	2.72		mg/Kg		81	66 - 108
N-Nitrosodi-n-propylamine	3.33	2.48		mg/Kg		74	63 - 117
N-Nitrosodiphenylamine	3.33	2.59		mg/Kg		78	65 - 114
Pentachlorophenol	6.67	5.90		mg/Kg		88	56 - 116
Phenanthrene	3.33	2.57		mg/Kg		77	68 - 111
Phenol	3.33	2.56		mg/Kg		77	58 - 103
Pyrene	3.33	2.59		mg/Kg		78	64 - 121

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670671/2-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670671

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*10 - 137*
2-Fluorobiphenyl	*71*		*29 - 107*
2-Fluorophenol (Surr)	*73*		*20 - 115*
Nitrobenzene-d5 (Surr)	*74*		*25 - 113*
Phenol-d5 (Surr)	*75*		*28 - 109*
Terphenyl-d14 (Surr)	*79*		*27 - 123*

Lab Sample ID: LCS 460-670671/4-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6.67	7.21		mg/Kg		108	62 - 137
Benzaldehyde	6.67	4.16		mg/Kg		62	52 - 113
Caprolactam	6.67	7.29		mg/Kg		109	53 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*98*		*10 - 137*
2-Fluorobiphenyl	*87*		*29 - 107*
2-Fluorophenol (Surr)	*88*		*20 - 115*
Nitrobenzene-d5 (Surr)	*92*		*25 - 113*
Phenol-d5 (Surr)	*88*		*28 - 109*
Terphenyl-d14 (Surr)	*99*		*27 - 123*

Lab Sample ID: LCSD 460-670671/3-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	3.33	2.70		mg/Kg		81	64 - 108	9	30
1,2,4,5-Tetrachlorobenzene	3.33	2.62		mg/Kg		78	57 - 112	8	30
1,4-Dioxane	3.33	1.85		mg/Kg		55	27 - 70	2	30
2,2'-oxybis[1-chloropropane]	3.33	2.55		mg/Kg		76	39 - 122	7	30
2,3,4,6-Tetrachlorophenol	3.33	2.80		mg/Kg		84	60 - 114	8	30
2,4,5-Trichlorophenol	3.33	2.81		mg/Kg		84	60 - 106	10	30
2,4,6-Trichlorophenol	3.33	2.83		mg/Kg		85	62 - 110	8	30
2,4-Dichlorophenol	3.33	2.75		mg/Kg		83	61 - 103	8	30
2,4-Dimethylphenol	3.33	2.72		mg/Kg		82	63 - 101	9	30
2,4-Dinitrophenol	6.67	7.43		mg/Kg		112	56 - 122	9	30
2,4-Dinitrotoluene	3.33	3.29		mg/Kg		99	66 - 122	10	30
2,6-Dinitrotoluene	3.33	3.12		mg/Kg		94	70 - 114	9	30
2-Chloronaphthalene	3.33	2.71		mg/Kg		81	63 - 107	9	30
2-Chlorophenol	3.33	2.63		mg/Kg		79	62 - 97	4	30
2-Methylnaphthalene	3.33	2.70		mg/Kg		81	65 - 104	8	30
2-Methylphenol	3.33	2.69		mg/Kg		81	61 - 103	6	30
2-Nitroaniline	3.33	3.09		mg/Kg		93	57 - 114	10	30
2-Nitrophenol	3.33	2.98		mg/Kg		89	65 - 104	9	30
3,3'-Dichlorobenzidine	3.33	2.49		mg/Kg		75	18 - 88	16	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670671/3-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670671

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
3-Nitroaniline			3.33	2.59		mg/Kg		78	30 - 94	15	30
4,6-Dinitro-2-methylphenol			6.67	7.20		mg/Kg		108	67 - 120	8	30
4-Bromophenyl phenyl ether			3.33	2.76		mg/Kg		83	59 - 122	9	30
4-Chloro-3-methylphenol			3.33	2.79		mg/Kg		84	62 - 111	10	30
4-Chloroaniline			3.33	2.29		mg/Kg		69	18 - 94	21	30
4-Chlorophenyl phenyl ether			3.33	2.75		mg/Kg		83	66 - 110	10	30
4-Methylphenol			3.33	2.77		mg/Kg		83	61 - 105	8	30
4-Nitroaniline			3.33	2.76		mg/Kg		83	49 - 118	10	30
4-Nitrophenol			6.67	5.89		mg/Kg		88	43 - 141	10	30
Acenaphthene			3.33	2.76		mg/Kg		83	62 - 108	9	30
Acenaphthylene			3.33	2.73		mg/Kg		82	67 - 107	9	30
Acetophenone			3.33	2.59		mg/Kg		78	60 - 109	7	30
Anthracene			3.33	2.81		mg/Kg		84	69 - 111	8	30
Benzo[a]anthracene			3.33	2.76		mg/Kg		83	68 - 110	8	30
Benzo[a]pyrene			3.33	2.54		mg/Kg		76	72 - 115	9	30
Benzo[b]fluoranthene			3.33	2.78		mg/Kg		84	69 - 119	11	30
Benzo[g,h,i]perylene			3.33	2.72		mg/Kg		82	54 - 128	9	30
Benzo[k]fluoranthene			3.33	2.74		mg/Kg		82	70 - 115	6	30
Bis(2-chloroethoxy)methane			3.33	2.66		mg/Kg		80	65 - 106	7	30
Bis(2-chloroethyl)ether			3.33	2.69		mg/Kg		81	64 - 105	6	30
Bis(2-ethylhexyl) phthalate			3.33	3.05		mg/Kg		92	63 - 125	8	30
Butyl benzyl phthalate			3.33	3.04		mg/Kg		91	65 - 125	8	30
Carbazole			3.33	2.81		mg/Kg		84	66 - 115	8	30
Chrysene			3.33	2.89		mg/Kg		87	70 - 111	7	30
Dibenz(a,h)anthracene			3.33	2.98		mg/Kg		89	60 - 130	8	30
Dibenzofuran			3.33	2.73		mg/Kg		82	67 - 107	9	30
Diethyl phthalate			3.33	2.75		mg/Kg		83	66 - 117	10	30
Dimethyl phthalate			3.33	2.69		mg/Kg		81	68 - 112	9	30
Di-n-butyl phthalate			3.33	2.81		mg/Kg		84	67 - 119	7	30
Di-n-octyl phthalate			3.33	2.86		mg/Kg		86	57 - 138	8	30
Fluoranthene			3.33	2.74		mg/Kg		82	64 - 114	8	30
Fluorene			3.33	2.77		mg/Kg		83	66 - 110	10	30
Hexachlorobenzene			3.33	2.93		mg/Kg		88	57 - 128	9	30
Hexachlorobutadiene			3.33	2.56		mg/Kg		77	60 - 108	8	30
Hexachlorocyclopentadiene			3.33	3.35		mg/Kg		100	50 - 129	10	30
Hexachloroethane			3.33	2.64		mg/Kg		79	63 - 99	5	30
Indeno[1,2,3-cd]pyrene			3.33	2.74		mg/Kg		82	53 - 137	2	30
Isophorone			3.33	2.63		mg/Kg		79	68 - 111	8	30
Naphthalene			3.33	2.63		mg/Kg		79	65 - 102	8	30
Nitrobenzene			3.33	2.85		mg/Kg		85	66 - 108	5	30
N-Nitrosodi-n-propylamine			3.33	2.66		mg/Kg		80	63 - 117	7	30
N-Nitrosodiphenylamine			3.33	2.80		mg/Kg		84	65 - 114	8	30
Pentachlorophenol			6.67	6.44		mg/Kg		97	56 - 116	9	30
Phenanthrene			3.33	2.81		mg/Kg		84	68 - 111	9	30
Phenol			3.33	2.69		mg/Kg		81	58 - 103	5	30
Pyrene			3.33	2.81		mg/Kg		84	64 - 121	8	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670671/3-A
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670671

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2,4,6-Tribromophenol (Surr)	*88*		*10 - 137*
2-Fluorobiphenyl	*77*		*29 - 107*
2-Fluorophenol (Surr)	*77*		*20 - 115*
Nitrobenzene-d5 (Surr)	*80*		*25 - 113*
Phenol-d5 (Surr)	*79*		*28 - 109*
Terphenyl-d14 (Surr)	*85*		*27 - 123*

Lab Sample ID: 460-201342-E-1-D MS
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.0054	U F1	4.06	2.17	F1	mg/Kg	☼	53	64 - 108
1,2,4,5-Tetrachlorobenzene	0.013	U F1	4.06	1.94	F1	mg/Kg	☼	48	57 - 112
1,4-Dioxane	0.011	U F1	4.06	0.857	F1	mg/Kg	☼	21	27 - 70
2,2'-oxybis[1-chloropropane]	0.0073	U	4.06	1.76		mg/Kg	☼	43	39 - 122
2,3,4,6-Tetrachlorophenol	0.027	U F1	4.06	2.44		mg/Kg	☼	60	60 - 114
2,4,5-Trichlorophenol	0.041	U F1	4.06	2.27	F1	mg/Kg	☼	56	60 - 106
2,4,6-Trichlorophenol	0.052	U F1	4.06	2.33	F1	mg/Kg	☼	57	62 - 110
2,4-Dichlorophenol	0.026	U F1	4.06	2.28	F1	mg/Kg	☼	56	61 - 103
2,4-Dimethylphenol	0.018	U F1	4.06	2.21	F1	mg/Kg	☼	54	63 - 101
2,4-Dinitrophenol	0.20	U	8.12	5.51		mg/Kg	☼	68	56 - 122
2,4-Dinitrotoluene	0.043	U F1	4.06	2.67		mg/Kg	☼	66	66 - 122
2,6-Dinitrotoluene	0.029	U F1	4.06	2.56	F1	mg/Kg	☼	63	70 - 114
2-Chloronaphthalene	0.019	U F1	4.06	2.18	F1	mg/Kg	☼	54	63 - 107
2-Chlorophenol	0.014	U F1	4.06	2.19	F1	mg/Kg	☼	54	62 - 97
2-Methylnaphthalene	0.011	U F1	4.06	2.10	F1	mg/Kg	☼	52	65 - 104
2-Methylphenol	0.015	U F1	4.06	2.22	F1	mg/Kg	☼	55	61 - 103
2-Nitroaniline	0.015	U F1	4.06	2.56		mg/Kg	☼	63	57 - 114
2-Nitrophenol	0.040	U F1	4.06	2.36	F1	mg/Kg	☼	58	65 - 104
3,3'-Dichlorobenzidine	0.061	U	4.06	2.14		mg/Kg	☼	53	18 - 88
3-Nitroaniline	0.045	U	4.06	2.43		mg/Kg	☼	60	30 - 94
4,6-Dinitro-2-methylphenol	0.065	U F1	8.12	5.91		mg/Kg	☼	73	67 - 120
4-Bromophenyl phenyl ether	0.016	U F1	4.06	2.27	F1	mg/Kg	☼	56	59 - 122
4-Chloro-3-methylphenol	0.023	U F1	4.06	2.30	F1	mg/Kg	☼	57	62 - 111
4-Chloroaniline	0.028	U	4.06	2.11		mg/Kg	☼	52	18 - 94
4-Chlorophenyl phenyl ether	0.014	U F1	4.06	2.22	F1	mg/Kg	☼	55	66 - 110
4-Methylphenol	0.025	U F1	4.06	2.26	F1	mg/Kg	☼	56	61 - 105
4-Nitroaniline	0.046	U	4.06	2.42		mg/Kg	☼	60	49 - 118
4-Nitrophenol	0.066	U	8.12	4.96		mg/Kg	☼	61	43 - 141
Acenaphthene	0.029	U F1	4.06	2.22	F1	mg/Kg	☼	55	62 - 108
Acenaphthylene	0.0042	U F1	4.06	2.22	F1	mg/Kg	☼	55	67 - 107
Acetophenone	0.020	U F1	4.06	2.14	F1	mg/Kg	☼	53	60 - 109
Anthracene	0.012	U F1	4.06	2.41	F1	mg/Kg	☼	59	69 - 111
Atrazine	0.010	U F1	8.12	5.77		mg/Kg	☼	71	62 - 137
Benzaldehyde	0.018	U F1	8.12	3.87	F1	mg/Kg	☼	48	52 - 113
Benzo[a]anthracene	0.014	U F1	4.06	2.52	F1	mg/Kg	☼	62	68 - 110
Benzo[a]pyrene	0.011	U F1 *	4.06	2.28	F1	mg/Kg	☼	56	72 - 115

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201342-E-1-D MS
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[b]fluoranthene	0.010	U F1	4.06	2.51	F1	mg/Kg	☼	62	69 - 119
Benzo[g,h,i]perylene	0.012	U	4.06	2.51		mg/Kg	☼	62	54 - 128
Benzo[k]fluoranthene	0.0079	U F1	4.06	2.45	F1	mg/Kg	☼	60	70 - 115
Bis(2-chloroethoxy)methane	0.031	U F1	4.06	2.18	F1	mg/Kg	☼	54	65 - 106
Bis(2-chloroethyl)ether	0.014	U F1	4.06	2.02	F1	mg/Kg	☼	50	64 - 105
Bis(2-ethylhexyl) phthalate	0.021	U F1	4.06	2.77		mg/Kg	☼	68	63 - 125
Butyl benzyl phthalate	0.019	U F1	4.06	2.78		mg/Kg	☼	69	65 - 125
Caprolactam	0.063	U F1	8.12	4.08	F1	mg/Kg	☼	50	53 - 148
Carbazole	0.015	U F1	4.06	2.50	F1	mg/Kg	☼	62	66 - 115
Chrysene	0.0068	U F1	4.06	2.72	F1	mg/Kg	☼	67	70 - 111
Dibenz(a,h)anthracene	0.017	U F1	4.06	2.77		mg/Kg	☼	68	60 - 130
Dibenzofuran	0.0057	U F1	4.06	2.25	F1	mg/Kg	☼	55	67 - 107
Diethyl phthalate	0.0058	U F1	4.06	2.21	F1	mg/Kg	☼	54	66 - 117
Dimethyl phthalate	0.092	U F1	4.06	2.25	F1	mg/Kg	☼	55	68 - 112
Di-n-butyl phthalate	0.071	U F1	4.06	2.57	F1	mg/Kg	☼	63	67 - 119
Di-n-octyl phthalate	0.021	U F1	4.06	2.66		mg/Kg	☼	65	57 - 138
Fluoranthene	0.014	U F1	4.06	2.45	F1	mg/Kg	☼	60	64 - 114
Fluorene	0.0055	U F1	4.06	2.26	F1	mg/Kg	☼	56	66 - 110
Hexachlorobenzene	0.019	U F1	4.06	2.41		mg/Kg	☼	59	57 - 128
Hexachlorobutadiene	0.0086	U F1	4.06	1.44	F1	mg/Kg	☼	35	60 - 108
Hexachlorocyclopentadiene	0.035	U	4.06	2.18		mg/Kg	☼	54	50 - 129
Hexachloroethane	0.014	U F1	4.06	1.20	F1	mg/Kg	☼	30	63 - 99
Indeno[1,2,3-cd]pyrene	0.016	U	4.06	2.56		mg/Kg	☼	63	53 - 137
Isophorone	0.12	U F1	4.06	2.15	F1	mg/Kg	☼	53	68 - 111
Naphthalene	0.0070	U F1	4.06	1.95	F1	mg/Kg	☼	48	65 - 102
Nitrobenzene	0.0097	U F1	4.06	2.23	F1	mg/Kg	☼	55	66 - 108
N-Nitrosodi-n-propylamine	0.029	U F1	4.06	2.11	F1	mg/Kg	☼	52	63 - 117
N-Nitrosodiphenylamine	0.0077	U F1	4.06	2.36	F1	mg/Kg	☼	58	65 - 114
Pentachlorophenol	0.083	U	8.12	5.57		mg/Kg	☼	69	56 - 116
Phenanthrene	0.0071	U F1	4.06	2.38	F1	mg/Kg	☼	59	68 - 111
Phenol	0.015	U F1	4.06	2.22	F1	mg/Kg	☼	55	58 - 103
Pyrene	0.010	U F1	4.06	2.54	F1	mg/Kg	☼	63	64 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*59*		*10 - 137*
2-Fluorobiphenyl	*47*		*29 - 107*
2-Fluorophenol (Surr)	*49*		*20 - 115*
Nitrobenzene-d5 (Surr)	*48*		*25 - 113*
Phenol-d5 (Surr)	*51*		*28 - 109*
Terphenyl-d14 (Surr)	*60*		*27 - 123*

Lab Sample ID: 460-201342-E-1-E MSD
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.0054	U F1	4.06	1.97	F1	mg/Kg	☼	48	64 - 108	10	30
1,2,4,5-Tetrachlorobenzene	0.013	U F1	4.06	1.77	F1	mg/Kg	☼	44	57 - 112	9	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201342-E-1-E MSD
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	0.011	U F1	4.06	0.855	F1	mg/Kg	☼	21	27 - 70	0	30
2,2'-oxybis[1-chloropropane]	0.0073	U	4.06	1.64		mg/Kg	☼	40	39 - 122	7	30
2,3,4,6-Tetrachlorophenol	0.027	U F1	4.06	2.08	F1	mg/Kg	☼	51	60 - 114	16	30
2,4,5-Trichlorophenol	0.041	U F1	4.06	2.05	F1	mg/Kg	☼	50	60 - 106	10	30
2,4,6-Trichlorophenol	0.052	U F1	4.06	2.08	F1	mg/Kg	☼	51	62 - 110	11	30
2,4-Dichlorophenol	0.026	U F1	4.06	1.98	F1	mg/Kg	☼	49	61 - 103	14	30
2,4-Dimethylphenol	0.018	U F1	4.06	1.89	F1	mg/Kg	☼	47	63 - 101	15	30
2,4-Dinitrophenol	0.20	U	8.13	4.84		mg/Kg	☼	60	56 - 122	13	30
2,4-Dinitrotoluene	0.043	U F1	4.06	2.33	F1	mg/Kg	☼	57	66 - 122	14	30
2,6-Dinitrotoluene	0.029	U F1	4.06	2.31	F1	mg/Kg	☼	57	70 - 114	10	30
2-Chloronaphthalene	0.019	U F1	4.06	1.95	F1	mg/Kg	☼	48	63 - 107	11	30
2-Chlorophenol	0.014	U F1	4.06	1.94	F1	mg/Kg	☼	48	62 - 97	12	30
2-Methylnaphthalene	0.011	U F1	4.06	1.88	F1	mg/Kg	☼	46	65 - 104	11	30
2-Methylphenol	0.015	U F1	4.06	1.91	F1	mg/Kg	☼	47	61 - 103	15	30
2-Nitroaniline	0.015	U F1	4.06	2.24	F1	mg/Kg	☼	55	57 - 114	13	30
2-Nitrophenol	0.040	U F1	4.06	2.15	F1	mg/Kg	☼	53	65 - 104	9	30
3,3'-Dichlorobenzidine	0.061	U	4.06	1.82		mg/Kg	☼	45	18 - 88	16	30
3-Nitroaniline	0.045	U	4.06	2.07		mg/Kg	☼	51	30 - 94	16	30
4,6-Dinitro-2-methylphenol	0.065	U F1	8.13	5.12	F1	mg/Kg	☼	63	67 - 120	14	30
4-Bromophenyl phenyl ether	0.016	U F1	4.06	2.00	F1	mg/Kg	☼	49	59 - 122	13	30
4-Chloro-3-methylphenol	0.023	U F1	4.06	2.03	F1	mg/Kg	☼	50	62 - 111	13	30
4-Chloroaniline	0.028	U	4.06	1.87		mg/Kg	☼	46	18 - 94	12	30
4-Chlorophenyl phenyl ether	0.014	U F1	4.06	2.00	F1	mg/Kg	☼	49	66 - 110	11	30
4-Methylphenol	0.025	U F1	4.06	1.99	F1	mg/Kg	☼	49	61 - 105	13	30
4-Nitroaniline	0.046	U	4.06	1.98		mg/Kg	☼	49	49 - 118	20	30
4-Nitrophenol	0.066	U	8.13	4.03		mg/Kg	☼	50	43 - 141	21	30
Acenaphthene	0.029	U F1	4.06	2.00	F1	mg/Kg	☼	49	62 - 108	10	30
Acenaphthylene	0.0042	U F1	4.06	2.00	F1	mg/Kg	☼	49	67 - 107	10	30
Acetophenone	0.020	U F1	4.06	1.88	F1	mg/Kg	☼	46	60 - 109	13	30
Anthracene	0.012	U F1	4.06	2.09	F1	mg/Kg	☼	51	69 - 111	14	30
Atrazine	0.010	U F1	8.13	4.85	F1	mg/Kg	☼	60	62 - 137	17	30
Benzaldehyde	0.018	U F1	8.13	3.41	F1	mg/Kg	☼	42	52 - 113	13	30
Benzo[a]anthracene	0.014	U F1	4.06	2.14	F1	mg/Kg	☼	53	68 - 110	16	30
Benzo[a]pyrene	0.011	U F1 *	4.06	1.94	F1	mg/Kg	☼	48	72 - 115	16	30
Benzo[b]fluoranthene	0.010	U F1	4.06	2.08	F1	mg/Kg	☼	51	69 - 119	19	30
Benzo[g,h,i]perylene	0.012	U	4.06	2.18		mg/Kg	☼	54	54 - 128	14	30
Benzo[k]fluoranthene	0.0079	U F1	4.06	2.19	F1	mg/Kg	☼	54	70 - 115	11	30
Bis(2-chloroethoxy)methane	0.031	U F1	4.06	1.90	F1	mg/Kg	☼	47	65 - 106	14	30
Bis(2-chloroethyl)ether	0.014	U F1	4.06	1.83	F1	mg/Kg	☼	45	64 - 105	10	30
Bis(2-ethylhexyl) phthalate	0.021	U F1	4.06	2.38	F1	mg/Kg	☼	59	63 - 125	15	30
Butyl benzyl phthalate	0.019	U F1	4.06	2.40	F1	mg/Kg	☼	59	65 - 125	15	30
Caprolactam	0.063	U F1	8.13	3.52	F1	mg/Kg	☼	43	53 - 148	15	30
Carbazole	0.015	U F1	4.06	2.15	F1	mg/Kg	☼	53	66 - 115	15	30
Chrysene	0.0068	U F1	4.06	2.31	F1	mg/Kg	☼	57	70 - 111	16	30
Dibenz(a,h)anthracene	0.017	U F1	4.06	2.38	F1	mg/Kg	☼	58	60 - 130	15	30
Dibenzofuran	0.0057	U F1	4.06	2.04	F1	mg/Kg	☼	50	67 - 107	9	30
Diethyl phthalate	0.0058	U F1	4.06	1.93	F1	mg/Kg	☼	47	66 - 117	14	30
Dimethyl phthalate	0.092	U F1	4.06	2.00	F1	mg/Kg	☼	49	68 - 112	12	30
Di-n-butyl phthalate	0.071	U F1	4.06	2.19	F1	mg/Kg	☼	54	67 - 119	16	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201342-E-1-E MSD
Matrix: Solid
Analysis Batch: 670753

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670671

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Di-n-octyl phthalate	0.021	U F1	4.06	2.26	F1	mg/Kg	☼	56	57 - 138	16	30
Fluoranthene	0.014	U F1	4.06	2.11	F1	mg/Kg	☼	52	64 - 114	15	30
Fluorene	0.0055	U F1	4.06	2.04	F1	mg/Kg	☼	50	66 - 110	11	30
Hexachlorobenzene	0.019	U F1	4.06	2.13	F1	mg/Kg	☼	52	57 - 128	12	30
Hexachlorobutadiene	0.0086	U F1	4.06	1.38	F1	mg/Kg	☼	34	60 - 108	4	30
Hexachlorocyclopentadiene	0.035	U	4.06	2.05		mg/Kg	☼	51	50 - 129	6	30
Hexachloroethane	0.014	U F1	4.06	1.22	F1	mg/Kg	☼	30	63 - 99	2	30
Indeno[1,2,3-cd]pyrene	0.016	U	4.06	2.28		mg/Kg	☼	56	53 - 137	11	30
Isophorone	0.12	U F1	4.06	1.88	F1	mg/Kg	☼	46	68 - 111	14	30
Naphthalene	0.0070	U F1	4.06	1.77	F1	mg/Kg	☼	44	65 - 102	10	30
Nitrobenzene	0.0097	U F1	4.06	1.97	F1	mg/Kg	☼	49	66 - 108	12	30
N-Nitrosodi-n-propylamine	0.029	U F1	4.06	1.89	F1	mg/Kg	☼	46	63 - 117	11	30
N-Nitrosodiphenylamine	0.0077	U F1	4.06	2.08	F1	mg/Kg	☼	51	65 - 114	13	30
Pentachlorophenol	0.083	U	8.13	4.81		mg/Kg	☼	59	56 - 116	15	30
Phenanthrene	0.0071	U F1	4.06	2.07	F1	mg/Kg	☼	51	68 - 111	14	30
Phenol	0.015	U F1	4.06	1.94	F1	mg/Kg	☼	48	58 - 103	13	30
Pyrene	0.010	U F1	4.06	2.15	F1	mg/Kg	☼	53	64 - 121	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*52*		*10 - 137*
2-Fluorobiphenyl	*45*		*29 - 107*
2-Fluorophenol (Surr)	*45*		*20 - 115*
Nitrobenzene-d5 (Surr)	*45*		*25 - 113*
Phenol-d5 (Surr)	*47*		*28 - 109*
Terphenyl-d14 (Surr)	*54*		*27 - 123*

Lab Sample ID: MB 460-671123/1-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	0.0044	U	0.33	0.0044	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
1,2,4,5-Tetrachlorobenzene	0.010	U	0.33	0.010	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
1,4-Dioxane	0.0091	U	0.10	0.0091	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,2'-oxybis[1-chloropropane]	0.0060	U	0.33	0.0060	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,3,4,6-Tetrachlorophenol	0.022	U	0.33	0.022	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4,5-Trichlorophenol	0.034	U	0.33	0.034	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4,6-Trichlorophenol	0.042	U	0.13	0.042	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4-Dichlorophenol	0.021	U	0.13	0.021	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4-Dimethylphenol	0.015	U	0.33	0.015	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4-Dinitrophenol	0.16	U	0.27	0.16	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,4-Dinitrotoluene	0.036	U	0.067	0.036	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2,6-Dinitrotoluene	0.024	U	0.067	0.024	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2-Chloronaphthalene	0.015	U	0.33	0.015	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2-Chlorophenol	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2-Methylnaphthalene	0.0093	U	0.33	0.0093	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2-Methylphenol	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
2-Nitroaniline	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-671123/1-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Nitrophenol	0.033	U	0.33	0.033	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
3,3'-Dichlorobenzidine	0.050	U	0.13	0.050	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
3-Nitroaniline	0.037	U	0.33	0.037	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4,6-Dinitro-2-methylphenol	0.054	U	0.27	0.054	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Bromophenyl phenyl ether	0.013	U	0.33	0.013	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Chloro-3-methylphenol	0.019	U	0.33	0.019	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Chloroaniline	0.023	U	0.33	0.023	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Chlorophenyl phenyl ether	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Methylphenol	0.021	U	0.33	0.021	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Nitroaniline	0.038	U	0.33	0.038	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
4-Nitrophenol	0.054	U	0.67	0.054	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Acenaphthene	0.024	U	0.33	0.024	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Acenaphthylene	0.0034	U	0.33	0.0034	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Acetophenone	0.016	U	0.33	0.016	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Anthracene	0.010	U	0.33	0.010	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Atrazine	0.0083	U	0.13	0.0083	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzaldehyde	0.014	U	0.33	0.014	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzo[a]anthracene	0.012	U	0.033	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzo[a]pyrene	0.0088	U	0.033	0.0088	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzo[b]fluoranthene	0.0086	U	0.033	0.0086	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzo[g,h,i]perylene	0.0098	U	0.33	0.0098	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Benzo[k]fluoranthene	0.0065	U	0.033	0.0065	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Bis(2-chloroethoxy)methane	0.026	U	0.33	0.026	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Bis(2-chloroethyl)ether	0.012	U	0.033	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Bis(2-ethylhexyl) phthalate	0.017	U	0.33	0.017	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Butyl benzyl phthalate	0.016	U	0.33	0.016	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Caprolactam	0.051	U	0.33	0.051	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Carbazole	0.013	U	0.33	0.013	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Chrysene	0.0056	U	0.33	0.0056	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Dibenz(a,h)anthracene	0.014	U	0.033	0.014	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Dibenzofuran	0.0046	U	0.33	0.0046	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Diethyl phthalate	0.0048	U	0.33	0.0048	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Dimethyl phthalate	0.075	U	0.33	0.075	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Di-n-butyl phthalate	0.058	U	0.33	0.058	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Di-n-octyl phthalate	0.018	U	0.33	0.018	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Fluoranthene	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Fluorene	0.0045	U	0.33	0.0045	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Hexachlorobenzene	0.016	U	0.033	0.016	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Hexachlorobutadiene	0.0070	U	0.067	0.0070	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Hexachlorocyclopentadiene	0.029	U	0.33	0.029	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Hexachloroethane	0.011	U	0.033	0.011	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Indeno[1,2,3-cd]pyrene	0.013	U	0.033	0.013	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Isophorone	0.096	U	0.13	0.096	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Naphthalene	0.0057	U	0.33	0.0057	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Nitrobenzene	0.0079	U	0.033	0.0079	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
N-Nitrosodi-n-propylamine	0.024	U	0.033	0.024	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
N-Nitrosodiphenylamine	0.0063	U	0.33	0.0063	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Pentachlorophenol	0.068	U	0.27	0.068	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Phenanthrene	0.0058	U	0.33	0.0058	mg/Kg		01/27/20 19:37	01/28/20 08:08	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-671123/1-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671123

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Phenol	0.012	U	0.33	0.012	mg/Kg		01/27/20 19:37	01/28/20 08:08	1
Pyrene	0.0082	U	0.33	0.0082	mg/Kg		01/27/20 19:37	01/28/20 08:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*114*		*10 - 137*	*01/27/20 19:37*	*01/28/20 08:08*	*1*
2-Fluorobiphenyl	*103*		*29 - 107*	*01/27/20 19:37*	*01/28/20 08:08*	*1*
2-Fluorophenol (Surr)	*95*		*20 - 115*	*01/27/20 19:37*	*01/28/20 08:08*	*1*
Nitrobenzene-d5 (Surr)	*89*		*25 - 113*	*01/27/20 19:37*	*01/28/20 08:08*	*1*
Phenol-d5 (Surr)	*93*		*28 - 109*	*01/27/20 19:37*	*01/28/20 08:08*	*1*
Terphenyl-d14 (Surr)	*112*		*27 - 123*	*01/27/20 19:37*	*01/28/20 08:08*	*1*

Lab Sample ID: LCS 460-671123/2-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	3.33	3.25		mg/Kg		98	64 - 108
1,2,4,5-Tetrachlorobenzene	3.33	3.91	*	mg/Kg		117	57 - 112
1,4-Dioxane	3.33	2.07		mg/Kg		62	27 - 70
2,2'-oxybis[1-chloropropane]	3.33	2.65		mg/Kg		79	39 - 122
2,3,4,6-Tetrachlorophenol	3.33	3.73		mg/Kg		112	60 - 114
2,4,5-Trichlorophenol	3.33	3.82	*	mg/Kg		115	60 - 106
2,4,6-Trichlorophenol	3.33	3.88	*	mg/Kg		116	62 - 110
2,4-Dichlorophenol	3.33	3.68	*	mg/Kg		110	61 - 103
2,4-Dimethylphenol	3.33	3.32		mg/Kg		100	63 - 101
2,4-Dinitrophenol	6.67	8.21	*	mg/Kg		123	56 - 122
2,4-Dinitrotoluene	3.33	3.51		mg/Kg		105	66 - 122
2,6-Dinitrotoluene	3.33	3.59		mg/Kg		108	70 - 114
2-Chloronaphthalene	3.33	3.26		mg/Kg		98	63 - 107
2-Chlorophenol	3.33	3.16		mg/Kg		95	62 - 97
2-Methylnaphthalene	3.33	3.30		mg/Kg		99	65 - 104
2-Methylphenol	3.33	2.91		mg/Kg		87	61 - 103
2-Nitroaniline	3.33	2.82		mg/Kg		84	57 - 114
2-Nitrophenol	3.33	3.54	*	mg/Kg		106	65 - 104
3,3'-Dichlorobenzidine	3.33	1.41		mg/Kg		42	18 - 88
3-Nitroaniline	3.33	2.22		mg/Kg		67	30 - 94
4,6-Dinitro-2-methylphenol	6.67	7.76		mg/Kg		116	67 - 120
4-Bromophenyl phenyl ether	3.33	3.75		mg/Kg		112	59 - 122
4-Chloro-3-methylphenol	3.33	3.24		mg/Kg		97	62 - 111
4-Chloroaniline	3.33	1.65		mg/Kg		49	18 - 94
4-Chlorophenyl phenyl ether	3.33	3.67		mg/Kg		110	66 - 110
4-Methylphenol	3.33	3.16		mg/Kg		95	61 - 105
4-Nitroaniline	3.33	2.83		mg/Kg		85	49 - 118
4-Nitrophenol	6.67	5.82		mg/Kg		87	43 - 141
Acenaphthene	3.33	2.92		mg/Kg		88	62 - 108
Acenaphthylene	3.33	3.30		mg/Kg		99	67 - 107
Acetophenone	3.33	2.77		mg/Kg		83	60 - 109
Anthracene	3.33	3.50		mg/Kg		105	69 - 111

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-671123/2-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzo[a]anthracene	3.33	3.49		mg/Kg		105	68 - 110
Benzo[a]pyrene	3.33	3.10		mg/Kg		93	72 - 115
Benzo[b]fluoranthene	3.33	3.48		mg/Kg		104	69 - 119
Benzo[g,h,i]perylene	3.33	3.68		mg/Kg		110	54 - 128
Benzo[k]fluoranthene	3.33	3.37		mg/Kg		101	70 - 115
Bis(2-chloroethoxy)methane	3.33	3.04		mg/Kg		91	65 - 106
Bis(2-chloroethyl)ether	3.33	2.91		mg/Kg		87	64 - 105
Bis(2-ethylhexyl) phthalate	3.33	3.02		mg/Kg		91	63 - 125
Butyl benzyl phthalate	3.33	3.03		mg/Kg		91	65 - 125
Carbazole	3.33	3.21		mg/Kg		96	66 - 115
Chrysene	3.33	3.62		mg/Kg		109	70 - 111
Dibenz(a,h)anthracene	3.33	3.77		mg/Kg		113	60 - 130
Dibenzofuran	3.33	3.41		mg/Kg		102	67 - 107
Diethyl phthalate	3.33	3.29		mg/Kg		99	66 - 117
Dimethyl phthalate	3.33	3.22		mg/Kg		97	68 - 112
Di-n-butyl phthalate	3.33	3.04		mg/Kg		91	67 - 119
Di-n-octyl phthalate	3.33	2.77		mg/Kg		83	57 - 138
Fluoranthene	3.33	3.41		mg/Kg		102	64 - 114
Fluorene	3.33	3.36		mg/Kg		101	66 - 110
Hexachlorobenzene	3.33	3.92		mg/Kg		118	57 - 128
Hexachlorobutadiene	3.33	4.11	*	mg/Kg		123	60 - 108
Hexachlorocyclopentadiene	3.33	3.86		mg/Kg		116	50 - 129
Hexachloroethane	3.33	2.95		mg/Kg		88	63 - 99
Indeno[1,2,3-cd]pyrene	3.33	3.72		mg/Kg		112	53 - 137
Isophorone	3.33	2.99		mg/Kg		90	68 - 111
Naphthalene	3.33	3.21		mg/Kg		96	65 - 102
Nitrobenzene	3.33	3.04		mg/Kg		91	66 - 108
N-Nitrosodi-n-propylamine	3.33	2.74		mg/Kg		82	63 - 117
N-Nitrosodiphenylamine	3.33	3.36		mg/Kg		101	65 - 114
Pentachlorophenol	6.67	6.16		mg/Kg		92	56 - 116
Phenanthrene	3.33	3.34		mg/Kg		100	68 - 111
Phenol	3.33	3.10		mg/Kg		93	58 - 103
Pyrene	3.33	3.54		mg/Kg		106	64 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*118*		*10 - 137*
2-Fluorobiphenyl	*99*		*29 - 107*
2-Fluorophenol (Surr)	*93*		*20 - 115*
Nitrobenzene-d5 (Surr)	*88*		*25 - 113*
Phenol-d5 (Surr)	*92*		*28 - 109*
Terphenyl-d14 (Surr)	*113*		*27 - 123*

Lab Sample ID: LCS 460-671123/4-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	6.67	6.90		mg/Kg		104	62 - 137

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-671123/4-A
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzaldehyde	6.67	4.31		mg/Kg		65	52 - 113
Caprolactam	6.67	6.50		mg/Kg		98	53 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*116*		*10 - 137*
2-Fluorobiphenyl	*104*		*29 - 107*
2-Fluorophenol (Surr)	*91*		*20 - 115*
Nitrobenzene-d5 (Surr)	*88*		*25 - 113*
Phenol-d5 (Surr)	*91*		*28 - 109*
Terphenyl-d14 (Surr)	*117*		*27 - 123*

Lab Sample ID: 460-201587-2 MS
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: SB-03_2-4_20200124
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	0.22	J F1	3.67	2.43	F1	mg/Kg	☼	60	64 - 108
1,2,4,5-Tetrachlorobenzene	0.011	U *	3.67	2.79		mg/Kg	☼	76	57 - 112
1,4-Dioxane	0.010	U	3.67	1.22		mg/Kg	☼	33	27 - 70
2,2'-oxybis[1-chloropropane]	0.0066	U	3.67	1.69		mg/Kg	☼	46	39 - 122
2,3,4,6-Tetrachlorophenol	0.025	U	3.67	3.00		mg/Kg	☼	82	60 - 114
2,4,5-Trichlorophenol	0.037	U *	3.67	2.81		mg/Kg	☼	77	60 - 106
2,4,6-Trichlorophenol	0.047	U *	3.67	2.77		mg/Kg	☼	75	62 - 110
2,4-Dichlorophenol	0.023	U *	3.67	2.93		mg/Kg	☼	80	61 - 103
2,4-Dimethylphenol	0.016	U	3.67	2.52		mg/Kg	☼	69	63 - 101
2,4-Dinitrophenol	0.18	U *	7.35	4.73		mg/Kg	☼	64	56 - 122
2,4-Dinitrotoluene	0.039	U	3.67	2.73		mg/Kg	☼	74	66 - 122
2,6-Dinitrotoluene	0.026	U	3.67	2.67		mg/Kg	☼	73	70 - 114
2-Chloronaphthalene	0.017	U F1	3.67	2.23	F1	mg/Kg	☼	61	63 - 107
2-Chlorophenol	0.013	U F1	3.67	2.28		mg/Kg	☼	62	62 - 97
2-Methylnaphthalene	6.8	F1	3.67	9.28	E	mg/Kg	☼	68	65 - 104
2-Methylphenol	0.014	U F1	3.67	2.28		mg/Kg	☼	62	61 - 103
2-Nitroaniline	0.014	U	3.67	2.11		mg/Kg	☼	57	57 - 114
2-Nitrophenol	0.037	U *	3.67	2.63		mg/Kg	☼	72	65 - 104
3,3'-Dichlorobenzidine	0.055	U	3.67	2.47		mg/Kg	☼	67	18 - 88
3-Nitroaniline	0.041	U	3.67	2.31		mg/Kg	☼	63	30 - 94
4,6-Dinitro-2-methylphenol	0.059	U	7.35	5.31		mg/Kg	☼	72	67 - 120
4-Bromophenyl phenyl ether	0.014	U	3.67	2.78		mg/Kg	☼	76	59 - 122
4-Chloro-3-methylphenol	0.020	U	3.67	2.46		mg/Kg	☼	67	62 - 111
4-Chloroaniline	0.026	U	3.67	2.66		mg/Kg	☼	72	18 - 94
4-Chlorophenyl phenyl ether	0.013	U	3.67	2.73		mg/Kg	☼	74	66 - 110
4-Methylphenol	0.023	U F1	3.67	2.42		mg/Kg	☼	66	61 - 105
4-Nitroaniline	0.042	U	3.67	2.24		mg/Kg	☼	61	49 - 118
4-Nitrophenol	0.059	U	7.35	4.42		mg/Kg	☼	60	43 - 141
Acenaphthene	0.027	U F1	3.67	2.19	F1	mg/Kg	☼	60	62 - 108
Acenaphthylene	0.0038	U F1	3.67	2.36	F1	mg/Kg	☼	64	67 - 107
Acetophenone	0.018	U F1	3.67	4.51	F1	mg/Kg	☼	123	60 - 109
Anthracene	0.032	J F1	3.67	2.54	F1	mg/Kg	☼	68	69 - 111

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201587-2 MS
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: SB-03_2-4_20200124
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	0.0092	U	7.35	6.10		mg/Kg	☼	83	62 - 137
Benzaldehyde	0.016	U	7.35	7.36		mg/Kg	☼	100	52 - 113
Benzo[a]anthracene	0.038		3.67	2.62		mg/Kg	☼	70	68 - 110
Benzo[a]pyrene	0.021	J F1	3.67	2.37	F1	mg/Kg	☼	64	72 - 115
Benzo[b]fluoranthene	0.027	J	3.67	2.54		mg/Kg	☼	69	69 - 119
Benzo[g,h,i]perylene	0.015	J	3.67	2.65		mg/Kg	☼	72	54 - 128
Benzo[k]fluoranthene	0.0097	J	3.67	2.71		mg/Kg	☼	73	70 - 115
Bis(2-chloroethoxy)methane	0.028	U F1	3.67	2.41		mg/Kg	☼	66	65 - 106
Bis(2-chloroethyl)ether	0.013	U F1	3.67	2.04	F1	mg/Kg	☼	56	64 - 105
Bis(2-ethylhexyl) phthalate	0.019	U F1	3.67	2.26	F1	mg/Kg	☼	62	63 - 125
Butyl benzyl phthalate	0.017	U F1	3.67	2.32	F1	mg/Kg	☼	63	65 - 125
Caprolactam	0.057	U	7.35	7.72		mg/Kg	☼	105	53 - 148
Carbazole	0.014	U F1	3.67	2.39	F1	mg/Kg	☼	65	66 - 115
Chrysene	0.031	J	3.67	2.92		mg/Kg	☼	79	70 - 111
Dibenz(a,h)anthracene	0.016	U	3.67	2.70		mg/Kg	☼	74	60 - 130
Dibenzofuran	0.11	J F1	3.67	2.50	F1	mg/Kg	☼	65	67 - 107
Diethyl phthalate	0.0053	U	3.67	2.43		mg/Kg	☼	66	66 - 117
Dimethyl phthalate	0.083	U F1	3.67	2.40	F1	mg/Kg	☼	65	68 - 112
Di-n-butyl phthalate	0.064	U F1	3.67	2.30	F1	mg/Kg	☼	63	67 - 119
Di-n-octyl phthalate	0.019	U	3.67	2.13		mg/Kg	☼	58	57 - 138
Fluoranthene	0.070	J	3.67	2.69		mg/Kg	☼	71	64 - 114
Fluorene	0.11	J	3.67	2.61		mg/Kg	☼	68	66 - 110
Hexachlorobenzene	0.017	U	3.67	2.95		mg/Kg	☼	80	57 - 128
Hexachlorobutadiene	0.0078	U *	3.67	2.86		mg/Kg	☼	78	60 - 108
Hexachlorocyclopentadiene	0.032	U F1	3.67	1.79	F1	mg/Kg	☼	49	50 - 129
Hexachloroethane	0.013	U	3.67	2.86		mg/Kg	☼	78	63 - 99
Indeno[1,2,3-cd]pyrene	0.014	J	3.67	2.69		mg/Kg	☼	73	53 - 137
Isophorone	0.11	U F1	3.67	2.26	F1	mg/Kg	☼	62	68 - 111
Naphthalene	6.3	F1	3.67	7.81	F1	mg/Kg	☼	42	65 - 102
Nitrobenzene	0.0088	U F1	3.67	2.17	F1	mg/Kg	☼	59	66 - 108
N-Nitrosodi-n-propylamine	0.026	U F1	3.67	1.89	F1	mg/Kg	☼	51	63 - 117
N-Nitrosodiphenylamine	0.0070	U	3.67	2.81		mg/Kg	☼	77	65 - 114
Pentachlorophenol	0.075	U	7.35	4.87		mg/Kg	☼	66	56 - 116
Phenanthrene	0.31	J	3.67	2.85		mg/Kg	☼	69	68 - 111
Phenol	0.013	U	3.67	2.39		mg/Kg	☼	65	58 - 103
Pyrene	0.077	J	3.67	2.84		mg/Kg	☼	75	64 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*93*		*10 - 137*
2-Fluorobiphenyl	*68*		*29 - 107*
2-Fluorophenol (Surr)	*66*		*20 - 115*
Nitrobenzene-d5 (Surr)	*64*		*25 - 113*
Phenol-d5 (Surr)	*66*		*28 - 109*
Terphenyl-d14 (Surr)	*85*		*27 - 123*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201587-2 MSD
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: SB-03_2-4_20200124
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	0.22	J F1	3.67	2.52	F1	mg/Kg	☼	63	64 - 108	4	30
1,2,4,5-Tetrachlorobenzene	0.011	U *	3.67	2.82		mg/Kg	☼	77	57 - 112	1	30
1,4-Dioxane	0.010	U	3.67	1.15		mg/Kg	☼	31	27 - 70	6	30
2,2'-oxybis[1-chloropropane]	0.0066	U	3.67	1.72		mg/Kg	☼	47	39 - 122	2	30
2,3,4,6-Tetrachlorophenol	0.025	U	3.67	3.16		mg/Kg	☼	86	60 - 114	5	30
2,4,5-Trichlorophenol	0.037	U *	3.67	2.89		mg/Kg	☼	79	60 - 106	3	30
2,4,6-Trichlorophenol	0.047	U *	3.67	2.99		mg/Kg	☼	82	62 - 110	8	30
2,4-Dichlorophenol	0.023	U *	3.67	2.80		mg/Kg	☼	76	61 - 103	4	30
2,4-Dimethylphenol	0.016	U	3.67	2.44		mg/Kg	☼	66	63 - 101	3	30
2,4-Dinitrophenol	0.18	U *	7.35	5.15		mg/Kg	☼	70	56 - 122	8	30
2,4-Dinitrotoluene	0.039	U	3.67	2.98		mg/Kg	☼	81	66 - 122	9	30
2,6-Dinitrotoluene	0.026	U	3.67	2.80		mg/Kg	☼	76	70 - 114	5	30
2-Chloronaphthalene	0.017	U F1	3.67	2.32		mg/Kg	☼	63	63 - 107	4	30
2-Chlorophenol	0.013	U F1	3.67	2.21	F1	mg/Kg	☼	60	62 - 97	3	30
2-Methylnaphthalene	6.8	F1	3.67	7.66	F1	mg/Kg	☼	24	65 - 104	19	30
2-Methylphenol	0.014	U F1	3.67	2.13	F1	mg/Kg	☼	58	61 - 103	7	30
2-Nitroaniline	0.014	U	3.67	2.18		mg/Kg	☼	59	57 - 114	4	30
2-Nitrophenol	0.037	U *	3.67	2.55		mg/Kg	☼	70	65 - 104	3	30
3,3'-Dichlorobenzidine	0.055	U	3.67	2.63		mg/Kg	☼	72	18 - 88	7	30
3-Nitroaniline	0.041	U	3.67	2.40		mg/Kg	☼	65	30 - 94	4	30
4,6-Dinitro-2-methylphenol	0.059	U	7.35	5.65		mg/Kg	☼	77	67 - 120	6	30
4-Bromophenyl phenyl ether	0.014	U	3.67	2.99		mg/Kg	☼	81	59 - 122	7	30
4-Chloro-3-methylphenol	0.020	U	3.67	2.42		mg/Kg	☼	66	62 - 111	2	30
4-Chloroaniline	0.026	U	3.67	2.40		mg/Kg	☼	65	18 - 94	10	30
4-Chlorophenyl phenyl ether	0.013	U	3.67	2.87		mg/Kg	☼	78	66 - 110	5	30
4-Methylphenol	0.023	U F1	3.67	2.20	F1	mg/Kg	☼	60	61 - 105	10	30
4-Nitroaniline	0.042	U	3.67	2.37		mg/Kg	☼	64	49 - 118	5	30
4-Nitrophenol	0.059	U	7.35	4.54		mg/Kg	☼	62	43 - 141	3	30
Acenaphthene	0.027	U F1	3.67	2.22	F1	mg/Kg	☼	61	62 - 108	1	30
Acenaphthylene	0.0038	U F1	3.67	2.44	F1	mg/Kg	☼	66	67 - 107	3	30
Acetophenone	0.018	U F1	3.67	4.18	F1	mg/Kg	☼	114	60 - 109	8	30
Anthracene	0.032	J F1	3.67	2.70		mg/Kg	☼	73	69 - 111	6	30
Atrazine	0.0092	U	7.35	6.31		mg/Kg	☼	86	62 - 137	3	30
Benzaldehyde	0.016	U	7.35	7.50		mg/Kg	☼	102	52 - 113	2	30
Benzo[a]anthracene	0.038		3.67	2.87		mg/Kg	☼	77	68 - 110	9	30
Benzo[a]pyrene	0.021	J F1	3.67	2.59	F1	mg/Kg	☼	70	72 - 115	9	30
Benzo[b]fluoranthene	0.027	J	3.67	2.80		mg/Kg	☼	76	69 - 119	10	30
Benzo[g,h,i]perylene	0.015	J	3.67	2.95		mg/Kg	☼	80	54 - 128	11	30
Benzo[k]fluoranthene	0.0097	J	3.67	2.94		mg/Kg	☼	80	70 - 115	8	30
Bis(2-chloroethoxy)methane	0.028	U F1	3.67	2.30	F1	mg/Kg	☼	63	65 - 106	5	30
Bis(2-chloroethyl)ether	0.013	U F1	3.67	1.94	F1	mg/Kg	☼	53	64 - 105	5	30
Bis(2-ethylhexyl) phthalate	0.019	U F1	3.67	2.46		mg/Kg	☼	67	63 - 125	8	30
Butyl benzyl phthalate	0.017	U F1	3.67	2.46		mg/Kg	☼	67	65 - 125	6	30
Caprolactam	0.057	U	7.35	6.82		mg/Kg	☼	93	53 - 148	12	30
Carbazole	0.014	U F1	3.67	2.58		mg/Kg	☼	70	66 - 115	7	30
Chrysene	0.031	J	3.67	3.05		mg/Kg	☼	82	70 - 111	4	30
Dibenz(a,h)anthracene	0.016	U	3.67	3.03		mg/Kg	☼	83	60 - 130	11	30
Dibenzofuran	0.11	J F1	3.67	2.61		mg/Kg	☼	68	67 - 107	4	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201587-2 MSD
Matrix: Solid
Analysis Batch: 671202

Client Sample ID: SB-03_2-4_20200124
Prep Type: Total/NA
Prep Batch: 671123

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diethyl phthalate	0.0053	U	3.67	2.58		mg/Kg	☼	70	66 - 117	6	30
Dimethyl phthalate	0.083	U F1	3.67	2.49		mg/Kg	☼	68	68 - 112	4	30
Di-n-butyl phthalate	0.064	U F1	3.67	2.48		mg/Kg	☼	68	67 - 119	8	30
Di-n-octyl phthalate	0.019	U	3.67	2.32		mg/Kg	☼	63	57 - 138	9	30
Fluoranthene	0.070	J	3.67	2.85		mg/Kg	☼	76	64 - 114	6	30
Fluorene	0.11	J	3.67	2.64		mg/Kg	☼	69	66 - 110	1	30
Hexachlorobenzene	0.017	U	3.67	3.14		mg/Kg	☼	85	57 - 128	6	30
Hexachlorobutadiene	0.0078	U *	3.67	2.91		mg/Kg	☼	79	60 - 108	1	30
Hexachlorocyclopentadiene	0.032	U F1	3.67	1.70	F1	mg/Kg	☼	46	50 - 129	5	30
Hexachloroethane	0.013	U	3.67	2.71		mg/Kg	☼	74	63 - 99	5	30
Indeno[1,2,3-cd]pyrene	0.014	J	3.67	3.03		mg/Kg	☼	83	53 - 137	12	30
Isophorone	0.11	U F1	3.67	2.11	F1	mg/Kg	☼	57	68 - 111	7	30
Naphthalene	6.3	F1	3.67	6.73	F1	mg/Kg	☼	13	65 - 102	15	30
Nitrobenzene	0.0088	U F1	3.67	2.09	F1	mg/Kg	☼	57	66 - 108	4	30
N-Nitrosodi-n-propylamine	0.026	U F1	3.67	2.11	F1	mg/Kg	☼	57	63 - 117	11	30
N-Nitrosodiphenylamine	0.0070	U	3.67	3.01		mg/Kg	☼	82	65 - 114	7	30
Pentachlorophenol	0.075	U	7.35	5.12		mg/Kg	☼	70	56 - 116	5	30
Phenanthrene	0.31	J	3.67	2.95		mg/Kg	☼	72	68 - 111	4	30
Phenol	0.013	U	3.67	2.18		mg/Kg	☼	59	58 - 103	9	30
Pyrene	0.077	J	3.67	2.95		mg/Kg	☼	78	64 - 121	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*92*		*10 - 137*
2-Fluorobiphenyl	*68*		*29 - 107*
2-Fluorophenol (Surr)	*60*		*20 - 115*
Nitrobenzene-d5 (Surr)	*60*		*25 - 113*
Phenol-d5 (Surr)	*60*		*28 - 109*
Terphenyl-d14 (Surr)	*87*		*27 - 123*

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-670032/1-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/22/20 20:30	01/23/20 10:08	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-670032/1-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670032

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/22/20 20:30	01/23/20 10:08	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/22/20 20:30	01/23/20 10:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*75*		*49 - 150*	*01/22/20 20:30*	*01/23/20 10:08*	*1*
DCB Decachlorobiphenyl	*76*		*49 - 150*	*01/22/20 20:30*	*01/23/20 10:08*	*1*
Tetrachloro-m-xylene	*76*		*47 - 150*	*01/22/20 20:30*	*01/23/20 10:08*	*1*
Tetrachloro-m-xylene	*80*		*47 - 150*	*01/22/20 20:30*	*01/23/20 10:08*	*1*

Lab Sample ID: LCS 460-670032/2-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.129		mg/Kg		97	67 - 130
4,4'-DDD	0.133	0.127		mg/Kg		95	67 - 130
4,4'-DDE	0.133	0.124		mg/Kg		93	70 - 127
4,4'-DDE	0.133	0.121		mg/Kg		91	70 - 127
4,4'-DDT	0.133	0.106		mg/Kg		80	70 - 122

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-670032/2-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670032

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDT	0.133	0.114		mg/Kg		86	70 - 122
Aldrin	0.133	0.127		mg/Kg		96	66 - 137
Aldrin	0.133	0.127		mg/Kg		96	66 - 137
alpha-BHC	0.133	0.123		mg/Kg		92	65 - 142
alpha-BHC	0.133	0.129		mg/Kg		97	65 - 142
beta-BHC	0.133	0.114		mg/Kg		86	70 - 132
beta-BHC	0.133	0.120		mg/Kg		90	70 - 132
cis-Chlordane	0.133	0.120		mg/Kg		90	70 - 132
cis-Chlordane	0.133	0.120		mg/Kg		90	70 - 132
delta-BHC	0.133	0.122		mg/Kg		91	65 - 136
delta-BHC	0.133	0.126		mg/Kg		94	65 - 136
Dieldrin	0.133	0.120		mg/Kg		90	70 - 134
Dieldrin	0.133	0.120		mg/Kg		90	70 - 134
Endosulfan I	0.133	0.116		mg/Kg		87	70 - 136
Endosulfan I	0.133	0.118		mg/Kg		89	70 - 136
Endosulfan II	0.133	0.112		mg/Kg		84	72 - 127
Endosulfan II	0.133	0.111		mg/Kg		83	72 - 127
Endosulfan sulfate	0.133	0.117		mg/Kg		88	71 - 128
Endosulfan sulfate	0.133	0.112		mg/Kg		84	71 - 128
Endrin	0.133	0.122		mg/Kg		91	74 - 129
Endrin	0.133	0.120		mg/Kg		90	74 - 129
Endrin aldehyde	0.133	0.118		mg/Kg		88	71 - 129
Endrin aldehyde	0.133	0.113		mg/Kg		85	71 - 129
Endrin ketone	0.133	0.111		mg/Kg		84	68 - 135
Endrin ketone	0.133	0.116		mg/Kg		87	68 - 135
gamma-BHC (Lindane)	0.133	0.120		mg/Kg		90	68 - 136
gamma-BHC (Lindane)	0.133	0.127		mg/Kg		95	68 - 136
Heptachlor	0.133	0.120		mg/Kg		90	68 - 132
Heptachlor	0.133	0.123		mg/Kg		92	68 - 132
Heptachlor epoxide	0.133	0.119		mg/Kg		89	72 - 131
Heptachlor epoxide	0.133	0.117		mg/Kg		88	72 - 131
Methoxychlor	0.133	0.119		mg/Kg		89	63 - 135
Methoxychlor	0.133	0.128		mg/Kg		96	63 - 135
trans-Chlordane	0.133	0.123		mg/Kg		93	68 - 135
trans-Chlordane	0.133	0.120		mg/Kg		90	68 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*73*		*49 - 150*
DCB Decachlorobiphenyl	*73*		*49 - 150*
Tetrachloro-m-xylene	*75*		*47 - 150*
Tetrachloro-m-xylene	*77*		*47 - 150*

Lab Sample ID: LCSD 460-670032/3-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670032

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.133	0.130		mg/Kg		98	67 - 130	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-670032/3-A
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670032

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.128		mg/Kg		96	67 - 130	1	30
4,4'-DDE			0.133	0.124		mg/Kg		93	70 - 127	0	30
4,4'-DDE			0.133	0.121		mg/Kg		91	70 - 127	0	30
4,4'-DDT			0.133	0.106		mg/Kg		79	70 - 122	1	30
4,4'-DDT			0.133	0.113		mg/Kg		84	70 - 122	1	30
Aldrin			0.133	0.127		mg/Kg		96	66 - 137	0	30
Aldrin			0.133	0.127		mg/Kg		95	66 - 137	0	30
alpha-BHC			0.133	0.121		mg/Kg		91	65 - 142	2	30
alpha-BHC			0.133	0.128		mg/Kg		96	65 - 142	1	30
beta-BHC			0.133	0.112		mg/Kg		84	70 - 132	1	30
beta-BHC			0.133	0.118		mg/Kg		89	70 - 132	1	30
cis-Chlordane			0.133	0.120		mg/Kg		90	70 - 132	0	30
cis-Chlordane			0.133	0.120		mg/Kg		90	70 - 132	0	30
delta-BHC			0.133	0.122		mg/Kg		91	65 - 136	0	30
delta-BHC			0.133	0.125		mg/Kg		94	65 - 136	1	30
Dieldrin			0.133	0.120		mg/Kg		90	70 - 134	0	30
Dieldrin			0.133	0.120		mg/Kg		90	70 - 134	0	30
Endosulfan I			0.133	0.116		mg/Kg		87	70 - 136	0	30
Endosulfan I			0.133	0.118		mg/Kg		88	70 - 136	0	30
Endosulfan II			0.133	0.111		mg/Kg		83	72 - 127	1	30
Endosulfan II			0.133	0.109		mg/Kg		82	72 - 127	1	30
Endosulfan sulfate			0.133	0.117		mg/Kg		88	71 - 128	1	30
Endosulfan sulfate			0.133	0.112		mg/Kg		84	71 - 128	0	30
Endrin			0.133	0.121		mg/Kg		91	74 - 129	0	30
Endrin			0.133	0.119		mg/Kg		90	74 - 129	0	30
Endrin aldehyde			0.133	0.118		mg/Kg		89	71 - 129	0	30
Endrin aldehyde			0.133	0.113		mg/Kg		85	71 - 129	0	30
Endrin ketone			0.133	0.112		mg/Kg		84	68 - 135	0	30
Endrin ketone			0.133	0.116		mg/Kg		87	68 - 135	0	30
gamma-BHC (Lindane)			0.133	0.119		mg/Kg		89	68 - 136	1	30
gamma-BHC (Lindane)			0.133	0.125		mg/Kg		94	68 - 136	1	30
Heptachlor			0.133	0.119		mg/Kg		89	68 - 132	1	30
Heptachlor			0.133	0.121		mg/Kg		91	68 - 132	1	30
Heptachlor epoxide			0.133	0.120		mg/Kg		90	72 - 131	1	30
Heptachlor epoxide			0.133	0.117		mg/Kg		88	72 - 131	0	30
Methoxychlor			0.133	0.118		mg/Kg		88	63 - 135	1	30
Methoxychlor			0.133	0.126		mg/Kg		94	63 - 135	2	30
trans-Chlordane			0.133	0.124		mg/Kg		93	68 - 135	0	30
trans-Chlordane			0.133	0.120		mg/Kg		90	68 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*72*		*49 - 150*
DCB Decachlorobiphenyl	*74*		*49 - 150*
Tetrachloro-m-xylene	*70*		*47 - 150*
Tetrachloro-m-xylene	*74*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201022-H-19-D MS
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670032

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0014	U	0.163	0.144		mg/Kg	☼	88	67 - 130
4,4'-DDD	0.0014	U	0.163	0.141		mg/Kg	☼	86	67 - 130
4,4'-DDE	0.00097	U	0.163	0.134		mg/Kg	☼	82	70 - 127
4,4'-DDE	0.00097	U	0.163	0.129		mg/Kg	☼	79	70 - 127
4,4'-DDT	0.0015	U F1	0.163	0.110	F1	mg/Kg	☼	67	70 - 122
4,4'-DDT	0.0015	U F1	0.163	0.116		mg/Kg	☼	71	70 - 122
Aldrin	0.0012	U	0.163	0.137		mg/Kg	☼	84	66 - 137
Aldrin	0.0012	U	0.163	0.137		mg/Kg	☼	84	66 - 137
alpha-BHC	0.00083	U	0.163	0.130		mg/Kg	☼	79	65 - 142
alpha-BHC	0.00083	U	0.163	0.139		mg/Kg	☼	85	65 - 142
beta-BHC	0.00092	U	0.163	0.122		mg/Kg	☼	75	70 - 132
beta-BHC	0.00092	U	0.163	0.127		mg/Kg	☼	78	70 - 132
cis-Chlordane	0.0013	U	0.163	0.130		mg/Kg	☼	79	70 - 132
cis-Chlordane	0.0013	U	0.163	0.130		mg/Kg	☼	79	70 - 132
delta-BHC	0.00050	U	0.163	0.131		mg/Kg	☼	80	65 - 136
delta-BHC	0.00050	U	0.163	0.135		mg/Kg	☼	83	65 - 136
Dieldrin	0.0011	U	0.163	0.130		mg/Kg	☼	80	70 - 134
Dieldrin	0.0011	U	0.163	0.129		mg/Kg	☼	79	70 - 134
Endosulfan I	0.0013	U	0.163	0.126		mg/Kg	☼	77	70 - 136
Endosulfan I	0.0013	U	0.163	0.128		mg/Kg	☼	79	70 - 136
Endosulfan II	0.0021	U	0.163	0.124		mg/Kg	☼	76	72 - 127
Endosulfan II	0.0021	U	0.163	0.122		mg/Kg	☼	75	72 - 127
Endosulfan sulfate	0.0010	U	0.163	0.126		mg/Kg	☼	77	71 - 128
Endosulfan sulfate	0.0010	U	0.163	0.121		mg/Kg	☼	74	71 - 128
Endrin	0.0012	U	0.163	0.132		mg/Kg	☼	81	74 - 129
Endrin	0.0012	U	0.163	0.129		mg/Kg	☼	79	74 - 129
Endrin aldehyde	0.0019	U	0.163	0.129		mg/Kg	☼	79	71 - 129
Endrin aldehyde	0.0019	U	0.163	0.123		mg/Kg	☼	75	71 - 129
Endrin ketone	0.0016	U	0.163	0.121		mg/Kg	☼	74	68 - 135
Endrin ketone	0.0016	U	0.163	0.125		mg/Kg	☼	77	68 - 135
gamma-BHC (Lindane)	0.00076	U	0.163	0.128		mg/Kg	☼	78	68 - 136
gamma-BHC (Lindane)	0.00076	U	0.163	0.135		mg/Kg	☼	83	68 - 136
Heptachlor	0.00097	U	0.163	0.127		mg/Kg	☼	78	68 - 132
Heptachlor	0.00097	U	0.163	0.130		mg/Kg	☼	80	68 - 132
Heptachlor epoxide	0.0012	U	0.163	0.130		mg/Kg	☼	79	72 - 131
Heptachlor epoxide	0.0012	U	0.163	0.127		mg/Kg	☼	78	72 - 131
Methoxychlor	0.0019	U	0.163	0.125		mg/Kg	☼	77	63 - 135
Methoxychlor	0.0019	U	0.163	0.134		mg/Kg	☼	82	63 - 135
trans-Chlordane	0.0014	U	0.163	0.132		mg/Kg	☼	81	68 - 135
trans-Chlordane	0.0014	U	0.163	0.127		mg/Kg	☼	78	68 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*49 - 150*
DCB Decachlorobiphenyl	*70*		*49 - 150*
Tetrachloro-m-xylene	*59*		*47 - 150*
Tetrachloro-m-xylene	*69*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201022-H-19-E MSD
Matrix: Solid
Analysis Batch: 670070

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670032

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0014	U	0.163	0.144		mg/Kg	☼	88	67 - 130	0	30
4,4'-DDD	0.0014	U	0.163	0.140		mg/Kg	☼	85	67 - 130	1	30
4,4'-DDE	0.00097	U	0.163	0.133		mg/Kg	☼	82	70 - 127	1	30
4,4'-DDE	0.00097	U	0.163	0.127		mg/Kg	☼	78	70 - 127	1	30
4,4'-DDT	0.0015	U F1	0.163	0.108	F1	mg/Kg	☼	66	70 - 122	2	30
4,4'-DDT	0.0015	U F1	0.163	0.112	F1	mg/Kg	☼	69	70 - 122	3	30
Aldrin	0.0012	U	0.163	0.136		mg/Kg	☼	83	66 - 137	1	30
Aldrin	0.0012	U	0.163	0.135		mg/Kg	☼	83	66 - 137	1	30
alpha-BHC	0.00083	U	0.163	0.129		mg/Kg	☼	79	65 - 142	1	30
alpha-BHC	0.00083	U	0.163	0.137		mg/Kg	☼	84	65 - 142	1	30
beta-BHC	0.00092	U	0.163	0.122		mg/Kg	☼	75	70 - 132	0	30
beta-BHC	0.00092	U	0.163	0.126		mg/Kg	☼	77	70 - 132	1	30
cis-Chlordane	0.0013	U	0.163	0.129		mg/Kg	☼	79	70 - 132	1	30
cis-Chlordane	0.0013	U	0.163	0.128		mg/Kg	☼	78	70 - 132	1	30
delta-BHC	0.00050	U	0.163	0.130		mg/Kg	☼	80	65 - 136	1	30
delta-BHC	0.00050	U	0.163	0.133		mg/Kg	☼	82	65 - 136	1	30
Dieldrin	0.0011	U	0.163	0.130		mg/Kg	☼	80	70 - 134	0	30
Dieldrin	0.0011	U	0.163	0.127		mg/Kg	☼	78	70 - 134	1	30
Endosulfan I	0.0013	U	0.163	0.126		mg/Kg	☼	77	70 - 136	0	30
Endosulfan I	0.0013	U	0.163	0.127		mg/Kg	☼	78	70 - 136	1	30
Endosulfan II	0.0021	U	0.163	0.123		mg/Kg	☼	76	72 - 127	1	30
Endosulfan II	0.0021	U	0.163	0.120		mg/Kg	☼	73	72 - 127	2	30
Endosulfan sulfate	0.0010	U	0.163	0.126		mg/Kg	☼	77	71 - 128	0	30
Endosulfan sulfate	0.0010	U	0.163	0.120		mg/Kg	☼	73	71 - 128	1	30
Endrin	0.0012	U	0.163	0.132		mg/Kg	☼	81	74 - 129	1	30
Endrin	0.0012	U	0.163	0.127		mg/Kg	☼	78	74 - 129	2	30
Endrin aldehyde	0.0019	U	0.163	0.128		mg/Kg	☼	78	71 - 129	0	30
Endrin aldehyde	0.0019	U	0.163	0.122		mg/Kg	☼	74	71 - 129	1	30
Endrin ketone	0.0016	U	0.163	0.121		mg/Kg	☼	74	68 - 135	0	30
Endrin ketone	0.0016	U	0.163	0.124		mg/Kg	☼	76	68 - 135	1	30
gamma-BHC (Lindane)	0.00076	U	0.163	0.128		mg/Kg	☼	78	68 - 136	0	30
gamma-BHC (Lindane)	0.00076	U	0.163	0.134		mg/Kg	☼	82	68 - 136	1	30
Heptachlor	0.00097	U	0.163	0.126		mg/Kg	☼	77	68 - 132	1	30
Heptachlor	0.00097	U	0.163	0.128		mg/Kg	☼	79	68 - 132	1	30
Heptachlor epoxide	0.0012	U	0.163	0.129		mg/Kg	☼	79	72 - 131	0	30
Heptachlor epoxide	0.0012	U	0.163	0.125		mg/Kg	☼	77	72 - 131	1	30
Methoxychlor	0.0019	U	0.163	0.124		mg/Kg	☼	76	63 - 135	1	30
Methoxychlor	0.0019	U	0.163	0.131		mg/Kg	☼	80	63 - 135	2	30
trans-Chlordane	0.0014	U	0.163	0.131		mg/Kg	☼	80	68 - 135	1	30
trans-Chlordane	0.0014	U	0.163	0.125		mg/Kg	☼	77	68 - 135	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*71*		*49 - 150*
DCB Decachlorobiphenyl	*68*		*49 - 150*
Tetrachloro-m-xylene	*67*		*47 - 150*
Tetrachloro-m-xylene	*68*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-670150/1-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670150

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/23/20 09:03	01/24/20 12:19	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/23/20 09:03	01/24/20 12:19	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*97*		*49 - 150*	*01/23/20 09:03*	*01/24/20 12:19*	*1*
DCB Decachlorobiphenyl	*110*		*49 - 150*	*01/23/20 09:03*	*01/24/20 12:19*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-670150/1-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670150

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	79		47 - 150	01/23/20 09:03	01/24/20 12:19	1
Tetrachloro-m-xylene	92		47 - 150	01/23/20 09:03	01/24/20 12:19	1

Lab Sample ID: LCS 460-670150/2-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670150

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.160		mg/Kg		120	67 - 130
4,4'-DDD	0.133	0.169		mg/Kg		127	67 - 130
4,4'-DDE	0.133	0.164		mg/Kg		123	70 - 127
4,4'-DDE	0.133	0.145		mg/Kg		109	70 - 127
4,4'-DDT	0.133	0.157		mg/Kg		118	70 - 122
4,4'-DDT	0.133	0.166	*	mg/Kg		125	70 - 122
Aldrin	0.133	0.166		mg/Kg		124	66 - 137
Aldrin	0.133	0.145		mg/Kg		109	66 - 137
alpha-BHC	0.133	0.167		mg/Kg		126	65 - 142
alpha-BHC	0.133	0.171		mg/Kg		128	65 - 142
beta-BHC	0.133	0.166		mg/Kg		124	70 - 132
beta-BHC	0.133	0.156		mg/Kg		117	70 - 132
cis-Chlordane	0.133	0.166		mg/Kg		124	70 - 132
cis-Chlordane	0.133	0.145		mg/Kg		109	70 - 132
delta-BHC	0.133	0.167		mg/Kg		126	65 - 136
delta-BHC	0.133	0.158		mg/Kg		118	65 - 136
Dieldrin	0.133	0.165		mg/Kg		124	70 - 134
Dieldrin	0.133	0.154		mg/Kg		116	70 - 134
Endosulfan I	0.133	0.168		mg/Kg		126	70 - 136
Endosulfan I	0.133	0.146		mg/Kg		110	70 - 136
Endosulfan II	0.133	0.160		mg/Kg		120	72 - 127
Endosulfan II	0.133	0.165		mg/Kg		123	72 - 127
Endosulfan sulfate	0.133	0.166		mg/Kg		125	71 - 128
Endosulfan sulfate	0.133	0.175	*	mg/Kg		131	71 - 128
Endrin	0.133	0.161		mg/Kg		121	74 - 129
Endrin	0.133	0.161		mg/Kg		121	74 - 129
Endrin aldehyde	0.133	0.163		mg/Kg		123	71 - 129
Endrin aldehyde	0.133	0.168		mg/Kg		126	71 - 129
Endrin ketone	0.133	0.174		mg/Kg		130	68 - 135
Endrin ketone	0.133	0.175		mg/Kg		131	68 - 135
gamma-BHC (Lindane)	0.133	0.159		mg/Kg		119	68 - 136
gamma-BHC (Lindane)	0.133	0.151		mg/Kg		113	68 - 136
Heptachlor	0.133	0.161		mg/Kg		121	68 - 132
Heptachlor	0.133	0.145		mg/Kg		109	68 - 132
Heptachlor epoxide	0.133	0.166		mg/Kg		125	72 - 131
Heptachlor epoxide	0.133	0.144		mg/Kg		108	72 - 131
Methoxychlor	0.133	0.155		mg/Kg		116	63 - 135
Methoxychlor	0.133	0.164		mg/Kg		123	63 - 135
trans-Chlordane	0.133	0.167		mg/Kg		125	68 - 135
trans-Chlordane	0.133	0.145		mg/Kg		109	68 - 135

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-670150/2-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	106		49 - 150
DCB Decachlorobiphenyl	114		49 - 150
Tetrachloro-m-xylene	98		47 - 150
Tetrachloro-m-xylene	101		47 - 150

Lab Sample ID: LCSD 460-670150/3-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.147		mg/Kg		111	67 - 130	8	30
4,4'-DDD			0.133	0.168		mg/Kg		126	67 - 130	1	30
4,4'-DDE			0.133	0.153		mg/Kg		115	70 - 127	7	30
4,4'-DDE			0.133	0.144		mg/Kg		108	70 - 127	1	30
4,4'-DDT			0.133	0.147		mg/Kg		110	70 - 122	7	30
4,4'-DDT			0.133	0.167	*	mg/Kg		125	70 - 122	0	30
Aldrin			0.133	0.154		mg/Kg		115	66 - 137	7	30
Aldrin			0.133	0.145		mg/Kg		108	66 - 137	0	30
alpha-BHC			0.133	0.156		mg/Kg		117	65 - 142	7	30
alpha-BHC			0.133	0.168		mg/Kg		126	65 - 142	2	30
beta-BHC			0.133	0.148		mg/Kg		111	70 - 132	11	30
beta-BHC			0.133	0.156		mg/Kg		117	70 - 132	0	30
cis-Chlordane			0.133	0.155		mg/Kg		116	70 - 132	7	30
cis-Chlordane			0.133	0.145		mg/Kg		109	70 - 132	0	30
delta-BHC			0.133	0.155		mg/Kg		116	65 - 136	8	30
delta-BHC			0.133	0.158		mg/Kg		118	65 - 136	0	30
Dieldrin			0.133	0.152		mg/Kg		114	70 - 134	8	30
Dieldrin			0.133	0.153		mg/Kg		115	70 - 134	0	30
Endosulfan I			0.133	0.158		mg/Kg		118	70 - 136	6	30
Endosulfan I			0.133	0.146		mg/Kg		109	70 - 136	0	30
Endosulfan II			0.133	0.148		mg/Kg		111	72 - 127	8	30
Endosulfan II			0.133	0.164		mg/Kg		123	72 - 127	0	30
Endosulfan sulfate			0.133	0.156		mg/Kg		117	71 - 128	6	30
Endosulfan sulfate			0.133	0.175	*	mg/Kg		131	71 - 128	0	30
Endrin			0.133	0.150		mg/Kg		112	74 - 129	8	30
Endrin			0.133	0.162		mg/Kg		122	74 - 129	1	30
Endrin aldehyde			0.133	0.153		mg/Kg		115	71 - 129	7	30
Endrin aldehyde			0.133	0.170		mg/Kg		128	71 - 129	1	30
Endrin ketone			0.133	0.161		mg/Kg		121	68 - 135	8	30
Endrin ketone			0.133	0.174		mg/Kg		130	68 - 135	0	30
gamma-BHC (Lindane)			0.133	0.146		mg/Kg		109	68 - 136	9	30
gamma-BHC (Lindane)			0.133	0.152		mg/Kg		114	68 - 136	0	30
Heptachlor			0.133	0.149		mg/Kg		112	68 - 132	8	30
Heptachlor			0.133	0.145		mg/Kg		108	68 - 132	0	30
Heptachlor epoxide			0.133	0.154		mg/Kg		116	72 - 131	7	30
Heptachlor epoxide			0.133	0.143		mg/Kg		107	72 - 131	1	30
Methoxychlor			0.133	0.144		mg/Kg		108	63 - 135	8	30
Methoxychlor			0.133	0.163		mg/Kg		123	63 - 135	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-670150/3-A
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670150

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
trans-Chlordane			0.133	0.155		mg/Kg		116	68 - 135	7	30
trans-Chlordane			0.133	0.145		mg/Kg		108	68 - 135	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*99*		*49 - 150*
DCB Decachlorobiphenyl	*114*		*49 - 150*
Tetrachloro-m-xylene	*90*		*47 - 150*
Tetrachloro-m-xylene	*103*		*47 - 150*

Lab Sample ID: 460-201312-B-3-E MS
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0012	U F1	0.137	0.175		mg/Kg	☼	127	67 - 130
4,4'-DDD	0.0012	U F1	0.137	0.190	F1	mg/Kg	☼	138	67 - 130
4,4'-DDE	0.00081	U F1	0.137	0.182	F1	mg/Kg	☼	132	70 - 127
4,4'-DDE	0.00081	U F1	0.137	0.167		mg/Kg	☼	121	70 - 127
4,4'-DDT	0.0013	U F1 *	0.137	0.173	F1	mg/Kg	☼	126	70 - 122
4,4'-DDT	0.0013	U F1 *	0.137	0.190	F1	mg/Kg	☼	138	70 - 122
Aldrin	0.0010	U	0.137	0.171		mg/Kg	☼	125	66 - 137
Aldrin	0.0010	U	0.137	0.154		mg/Kg	☼	112	66 - 137
alpha-BHC	0.00070	U	0.137	0.166		mg/Kg	☼	121	65 - 142
alpha-BHC	0.00070	U	0.137	0.171		mg/Kg	☼	124	65 - 142
beta-BHC	0.00077	U	0.137	0.172		mg/Kg	☼	125	70 - 132
beta-BHC	0.00077	U	0.137	0.172		mg/Kg	☼	125	70 - 132
cis-Chlordane	0.0011	U	0.137	0.181		mg/Kg	☼	132	70 - 132
cis-Chlordane	0.0011	U	0.137	0.165		mg/Kg	☼	120	70 - 132
delta-BHC	0.00042	U	0.137	0.177		mg/Kg	☼	129	65 - 136
delta-BHC	0.00042	U	0.137	0.168		mg/Kg	☼	122	65 - 136
Dieldrin	0.00090	U F1	0.137	0.180		mg/Kg	☼	131	70 - 134
Dieldrin	0.00090	U F1	0.137	0.173		mg/Kg	☼	126	70 - 134
Endosulfan I	0.0011	U	0.137	0.182		mg/Kg	☼	132	70 - 136
Endosulfan I	0.0011	U	0.137	0.166		mg/Kg	☼	121	70 - 136
Endosulfan II	0.0018	U F1	0.137	0.173		mg/Kg	☼	126	72 - 127
Endosulfan II	0.0018	U F1	0.137	0.184	F1	mg/Kg	☼	134	72 - 127
Endosulfan sulfate	0.00087	U F1 *	0.137	0.167		mg/Kg	☼	121	71 - 128
Endosulfan sulfate	0.00087	U F1 *	0.137	0.180	F1	mg/Kg	☼	131	71 - 128
Endrin	0.00099	U F1	0.137	0.179	F1	mg/Kg	☼	131	74 - 129
Endrin	0.00099	U F1	0.137	0.186	F1	mg/Kg	☼	136	74 - 129
Endrin aldehyde	0.0016	U	0.137	0.155		mg/Kg	☼	113	71 - 129
Endrin aldehyde	0.0016	U	0.137	0.165		mg/Kg	☼	120	71 - 129
Endrin ketone	0.0013	U	0.137	0.170		mg/Kg	☼	124	68 - 135
Endrin ketone	0.0013	U	0.137	0.178		mg/Kg	☼	129	68 - 135
gamma-BHC (Lindane)	0.00064	U	0.137	0.161		mg/Kg	☼	117	68 - 136
gamma-BHC (Lindane)	0.00064	U	0.137	0.159		mg/Kg	☼	116	68 - 136
Heptachlor	0.00081	U	0.137	0.164		mg/Kg	☼	120	68 - 132
Heptachlor	0.00081	U	0.137	0.152		mg/Kg	☼	110	68 - 132

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201312-B-3-E MS
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670150

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Heptachlor epoxide	0.0010	U	0.137	0.178		mg/Kg	☼	130	72 - 131
Heptachlor epoxide	0.0010	U	0.137	0.159		mg/Kg	☼	115	72 - 131
Methoxychlor	0.0016	U F1	0.137	0.169		mg/Kg	☼	123	63 - 135
Methoxychlor	0.0016	U F1	0.137	0.183		mg/Kg	☼	133	63 - 135
trans-Chlordane	0.0012	U	0.137	0.183		mg/Kg	☼	133	68 - 135
trans-Chlordane	0.0012	U	0.137	0.163		mg/Kg	☼	118	68 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*112*		*49 - 150*
DCB Decachlorobiphenyl	*127*		*49 - 150*
Tetrachloro-m-xylene	*92*		*47 - 150*
Tetrachloro-m-xylene	*108*		*47 - 150*

Lab Sample ID: 460-201312-B-3-F MSD
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0012	U F1	0.137	0.183	F1	mg/Kg	☼	133	67 - 130	5	30
4,4'-DDD	0.0012	U F1	0.137	0.200	F1	mg/Kg	☼	145	67 - 130	5	30
4,4'-DDE	0.00081	U F1	0.137	0.187	F1	mg/Kg	☼	136	70 - 127	3	30
4,4'-DDE	0.00081	U F1	0.137	0.178	F1	mg/Kg	☼	130	70 - 127	7	30
4,4'-DDT	0.0013	U F1 *	0.137	0.172	F1	mg/Kg	☼	125	70 - 122	1	30
4,4'-DDT	0.0013	U F1 *	0.137	0.202	F1	mg/Kg	☼	147	70 - 122	6	30
Aldrin	0.0010	U	0.137	0.181		mg/Kg	☼	132	66 - 137	6	30
Aldrin	0.0010	U	0.137	0.166		mg/Kg	☼	121	66 - 137	8	30
alpha-BHC	0.00070	U	0.137	0.180		mg/Kg	☼	131	65 - 142	8	30
alpha-BHC	0.00070	U	0.137	0.186		mg/Kg	☼	135	65 - 142	8	30
beta-BHC	0.00077	U	0.137	0.191	F1	mg/Kg	☼	139	70 - 132	10	30
beta-BHC	0.00077	U	0.137	0.182		mg/Kg	☼	132	70 - 132	6	30
cis-Chlordane	0.0011	U	0.137	0.191	F1	mg/Kg	☼	139	70 - 132	5	30
cis-Chlordane	0.0011	U	0.137	0.176		mg/Kg	☼	128	70 - 132	7	30
delta-BHC	0.00042	U	0.137	0.187		mg/Kg	☼	136	65 - 136	6	30
delta-BHC	0.00042	U	0.137	0.184		mg/Kg	☼	134	65 - 136	9	30
Dieldrin	0.00090	U F1	0.137	0.188	F1	mg/Kg	☼	137	70 - 134	5	30
Dieldrin	0.00090	U F1	0.137	0.186	F1	mg/Kg	☼	135	70 - 134	7	30
Endosulfan I	0.0011	U	0.137	0.191	F1	mg/Kg	☼	139	70 - 136	5	30
Endosulfan I	0.0011	U	0.137	0.177		mg/Kg	☼	129	70 - 136	6	30
Endosulfan II	0.0018	U F1	0.137	0.181	F1	mg/Kg	☼	132	72 - 127	4	30
Endosulfan II	0.0018	U F1	0.137	0.190	F1	mg/Kg	☼	138	72 - 127	3	30
Endosulfan sulfate	0.00087	U F1 *	0.137	0.166		mg/Kg	☼	121	71 - 128	0	30
Endosulfan sulfate	0.00087	U F1 *	0.137	0.178	F1	mg/Kg	☼	129	71 - 128	1	30
Endrin	0.00099	U F1	0.137	0.187	F1	mg/Kg	☼	136	74 - 129	4	30
Endrin	0.00099	U F1	0.137	0.195	F1	mg/Kg	☼	142	74 - 129	4	30
Endrin aldehyde	0.0016	U	0.137	0.156		mg/Kg	☼	113	71 - 129	0	30
Endrin aldehyde	0.0016	U	0.137	0.176		mg/Kg	☼	128	71 - 129	6	30
Endrin ketone	0.0013	U	0.137	0.176		mg/Kg	☼	128	68 - 135	3	30
Endrin ketone	0.0013	U	0.137	0.185		mg/Kg	☼	135	68 - 135	4	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201312-B-3-F MSD
Matrix: Solid
Analysis Batch: 670384

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670150

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
gamma-BHC (Lindane)	0.00064	U	0.137	0.175		mg/Kg	☼	127	68 - 136	8	30
gamma-BHC (Lindane)	0.00064	U	0.137	0.171		mg/Kg	☼	125	68 - 136	7	30
Heptachlor	0.00081	U	0.137	0.175		mg/Kg	☼	127	68 - 132	6	30
Heptachlor	0.00081	U	0.137	0.164		mg/Kg	☼	119	68 - 132	8	30
Heptachlor epoxide	0.0010	U	0.137	0.187	F1	mg/Kg	☼	136	72 - 131	5	30
Heptachlor epoxide	0.0010	U	0.137	0.169		mg/Kg	☼	123	72 - 131	6	30
Methoxychlor	0.0016	U F1	0.137	0.176		mg/Kg	☼	128	63 - 135	4	30
Methoxychlor	0.0016	U F1	0.137	0.188	F1	mg/Kg	☼	137	63 - 135	3	30
trans-Chlordane	0.0012	U	0.137	0.192	F1	mg/Kg	☼	140	68 - 135	5	30
trans-Chlordane	0.0012	U	0.137	0.173		mg/Kg	☼	126	68 - 135	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*120*		*49 - 150*
DCB Decachlorobiphenyl	*134*		*49 - 150*
Tetrachloro-m-xylene	*103*		*47 - 150*
Tetrachloro-m-xylene	*109*		*47 - 150*

Lab Sample ID: MB 460-670586/1-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/24/20 19:45	01/27/20 08:58	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-670586/1-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670586

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/24/20 19:45	01/27/20 08:58	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/24/20 19:45	01/27/20 08:58	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*49 - 150*	*01/24/20 19:45*	*01/27/20 08:58*	*1*
DCB Decachlorobiphenyl	*105*		*49 - 150*	*01/24/20 19:45*	*01/27/20 08:58*	*1*
Tetrachloro-m-xylene	*91*		*47 - 150*	*01/24/20 19:45*	*01/27/20 08:58*	*1*
Tetrachloro-m-xylene	*94*		*47 - 150*	*01/24/20 19:45*	*01/27/20 08:58*	*1*

Lab Sample ID: LCS 460-670586/2-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670586

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.149		mg/Kg		112	67 - 130
4,4'-DDD	0.133	0.163		mg/Kg		123	67 - 130
4,4'-DDE	0.133	0.154		mg/Kg		116	70 - 127
4,4'-DDE	0.133	0.139		mg/Kg		104	70 - 127
4,4'-DDT	0.133	0.140		mg/Kg		105	70 - 122
4,4'-DDT	0.133	0.151		mg/Kg		113	70 - 122
Aldrin	0.133	0.158		mg/Kg		119	66 - 137
Aldrin	0.133	0.139		mg/Kg		104	66 - 137
alpha-BHC	0.133	0.160		mg/Kg		120	65 - 142
alpha-BHC	0.133	0.161		mg/Kg		121	65 - 142
beta-BHC	0.133	0.153		mg/Kg		114	70 - 132
beta-BHC	0.133	0.149		mg/Kg		112	70 - 132
cis-Chlordane	0.133	0.154		mg/Kg		115	70 - 132
cis-Chlordane	0.133	0.141		mg/Kg		106	70 - 132
delta-BHC	0.133	0.159		mg/Kg		119	65 - 136
delta-BHC	0.133	0.150		mg/Kg		112	65 - 136
Dieldrin	0.133	0.151		mg/Kg		114	70 - 134
Dieldrin	0.133	0.145		mg/Kg		108	70 - 134

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-670586/2-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670586

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Endosulfan I			0.133	0.151		mg/Kg		113	70 - 136		
Endosulfan I			0.133	0.136		mg/Kg		102	70 - 136		
Endosulfan II			0.133	0.140		mg/Kg		105	72 - 127		
Endosulfan II			0.133	0.148		mg/Kg		111	72 - 127		
Endosulfan sulfate			0.133	0.147		mg/Kg		110	71 - 128		
Endosulfan sulfate			0.133	0.154		mg/Kg		115	71 - 128		
Endrin			0.133	0.145		mg/Kg		109	74 - 129		
Endrin			0.133	0.149		mg/Kg		112	74 - 129		
Endrin aldehyde			0.133	0.149		mg/Kg		112	71 - 129		
Endrin aldehyde			0.133	0.159		mg/Kg		119	71 - 129		
Endrin ketone			0.133	0.142		mg/Kg		107	68 - 135		
Endrin ketone			0.133	0.149		mg/Kg		112	68 - 135		
gamma-BHC (Lindane)			0.133	0.149		mg/Kg		112	68 - 136		
gamma-BHC (Lindane)			0.133	0.147		mg/Kg		110	68 - 136		
Heptachlor			0.133	0.150		mg/Kg		113	68 - 132		
Heptachlor			0.133	0.136		mg/Kg		102	68 - 132		
Heptachlor epoxide			0.133	0.156		mg/Kg		117	72 - 131		
Heptachlor epoxide			0.133	0.136		mg/Kg		102	72 - 131		
Methoxychlor			0.133	0.136		mg/Kg		102	63 - 135		
Methoxychlor			0.133	0.144		mg/Kg		108	63 - 135		
trans-Chlordane			0.133	0.160		mg/Kg		120	68 - 135		
trans-Chlordane			0.133	0.141		mg/Kg		105	68 - 135		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*78*		*49 - 150*
DCB Decachlorobiphenyl	*95*		*49 - 150*
Tetrachloro-m-xylene	*89*		*47 - 150*
Tetrachloro-m-xylene	*93*		*47 - 150*

Lab Sample ID: LCSD 460-670586/3-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670586

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.154		mg/Kg		116	67 - 130	4	30
4,4'-DDD			0.133	0.166		mg/Kg		125	67 - 130	2	30
4,4'-DDE			0.133	0.159		mg/Kg		119	70 - 127	3	30
4,4'-DDE			0.133	0.141		mg/Kg		105	70 - 127	1	30
4,4'-DDT			0.133	0.144		mg/Kg		108	70 - 122	3	30
4,4'-DDT			0.133	0.152		mg/Kg		114	70 - 122	1	30
Aldrin			0.133	0.163		mg/Kg		122	66 - 137	3	30
Aldrin			0.133	0.142		mg/Kg		106	66 - 137	2	30
alpha-BHC			0.133	0.164		mg/Kg		123	65 - 142	3	30
alpha-BHC			0.133	0.164		mg/Kg		123	65 - 142	2	30
beta-BHC			0.133	0.156		mg/Kg		117	70 - 132	3	30
beta-BHC			0.133	0.152		mg/Kg		114	70 - 132	2	30
cis-Chlordane			0.133	0.158		mg/Kg		118	70 - 132	3	30
cis-Chlordane			0.133	0.143		mg/Kg		107	70 - 132	1	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-670586/3-A
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670586

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
delta-BHC			0.133	0.163		mg/Kg		122	65 - 136	3	30
delta-BHC			0.133	0.152		mg/Kg		114	65 - 136	2	30
Dieldrin			0.133	0.156		mg/Kg		117	70 - 134	3	30
Dieldrin			0.133	0.147		mg/Kg		110	70 - 134	2	30
Endosulfan I			0.133	0.155		mg/Kg		117	70 - 136	3	30
Endosulfan I			0.133	0.138		mg/Kg		103	70 - 136	1	30
Endosulfan II			0.133	0.145		mg/Kg		109	72 - 127	4	30
Endosulfan II			0.133	0.150		mg/Kg		113	72 - 127	2	30
Endosulfan sulfate			0.133	0.153		mg/Kg		115	71 - 128	4	30
Endosulfan sulfate			0.133	0.158		mg/Kg		118	71 - 128	3	30
Endrin			0.133	0.150		mg/Kg		112	74 - 129	3	30
Endrin			0.133	0.152		mg/Kg		114	74 - 129	2	30
Endrin aldehyde			0.133	0.155		mg/Kg		116	71 - 129	4	30
Endrin aldehyde			0.133	0.162		mg/Kg		122	71 - 129	2	30
Endrin ketone			0.133	0.149		mg/Kg		111	68 - 135	4	30
Endrin ketone			0.133	0.154		mg/Kg		115	68 - 135	3	30
gamma-BHC (Lindane)			0.133	0.153		mg/Kg		115	68 - 136	2	30
gamma-BHC (Lindane)			0.133	0.149		mg/Kg		111	68 - 136	1	30
Heptachlor			0.133	0.154		mg/Kg		115	68 - 132	2	30
Heptachlor			0.133	0.138		mg/Kg		104	68 - 132	1	30
Heptachlor epoxide			0.133	0.161		mg/Kg		120	72 - 131	3	30
Heptachlor epoxide			0.133	0.138		mg/Kg		103	72 - 131	1	30
Methoxychlor			0.133	0.140		mg/Kg		105	63 - 135	3	30
Methoxychlor			0.133	0.145		mg/Kg		109	63 - 135	1	30
trans-Chlordane			0.133	0.164		mg/Kg		123	68 - 135	3	30
trans-Chlordane			0.133	0.143		mg/Kg		107	68 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*49 - 150*
DCB Decachlorobiphenyl	*97*		*49 - 150*
Tetrachloro-m-xylene	*92*		*47 - 150*
Tetrachloro-m-xylene	*93*		*47 - 150*

Lab Sample ID: 460-200792-E-2-A MS
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0019	U F1 F2	0.221	0.313	F1	mg/Kg	☼	142	67 - 130
4,4'-DDD	0.0019	U F1 F2	0.221	0.197		mg/Kg	☼	89	67 - 130
4,4'-DDE	0.0013	U F2	0.221	0.309	F1	mg/Kg	☼	140	70 - 127
4,4'-DDE	0.0013	U F2	0.221	0.160		mg/Kg	☼	72	70 - 127
4,4'-DDT	0.0020	U F1 F2	0.221	0.293	F1	mg/Kg	☼	132	70 - 122
4,4'-DDT	0.0020	U F1 F2	0.221	0.183		mg/Kg	☼	83	70 - 122
Aldrin	0.0017	U F2	0.221	0.302		mg/Kg	☼	136	66 - 137
Aldrin	0.0017	U F2	0.221	0.155		mg/Kg	☼	70	66 - 137
alpha-BHC	0.0011	U F2	0.221	0.157		mg/Kg	☼	71	65 - 142
alpha-BHC	0.0011	U F2	0.221	0.178		mg/Kg	☼	80	65 - 142

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-200792-E-2-A MS
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
beta-BHC	0.0012	U F2	0.221	0.281		mg/Kg	☼	127	70 - 132
beta-BHC	0.0012	U F2	0.221	0.162		mg/Kg	☼	73	70 - 132
cis-Chlordane	0.0018	U F2	0.221	0.305	F1	mg/Kg	☼	138	70 - 132
cis-Chlordane	0.0018	U F2	0.221	0.162		mg/Kg	☼	73	70 - 132
delta-BHC	0.00068	U F2	0.221	0.309	F1	mg/Kg	☼	140	65 - 136
delta-BHC	0.00068	U F2	0.221	0.166		mg/Kg	☼	75	65 - 136
Dieldrin	0.0014	U F2	0.221	0.309	F1	mg/Kg	☼	139	70 - 134
Dieldrin	0.0014	U F2	0.221	0.172		mg/Kg	☼	78	70 - 134
Endosulfan I	0.0017	U F2	0.221	0.305	F1	mg/Kg	☼	138	70 - 136
Endosulfan I	0.0017	U F2	0.221	0.162		mg/Kg	☼	73	70 - 136
Endosulfan II	0.0029	U F1 F2	0.221	0.303	F1	mg/Kg	☼	137	72 - 127
Endosulfan II	0.0029	U F1 F2	0.221	0.186		mg/Kg	☼	84	72 - 127
Endosulfan sulfate	0.0014	U F1 F2	0.221	0.317	F1	mg/Kg	☼	143	71 - 128
Endosulfan sulfate	0.0014	U F1 F2	0.221	0.196		mg/Kg	☼	89	71 - 128
Endrin	0.0016	U F2	0.221	0.308	F1	mg/Kg	☼	139	74 - 129
Endrin	0.0016	U F2	0.221	0.185		mg/Kg	☼	83	74 - 129
Endrin aldehyde	0.0026	U F2	0.221	0.303	F1	mg/Kg	☼	137	71 - 129
Endrin aldehyde	0.0026	U F2	0.221	0.187		mg/Kg	☼	85	71 - 129
Endrin ketone	0.0022	U F1 F2	0.221	0.328	F1	mg/Kg	☼	148	68 - 135
Endrin ketone	0.0022	U F1 F2	0.221	0.207		mg/Kg	☼	93	68 - 135
gamma-BHC (Lindane)	0.0010	U F2	0.221	0.284		mg/Kg	☼	128	68 - 136
gamma-BHC (Lindane)	0.0010	U F2	0.221	0.161		mg/Kg	☼	73	68 - 136
Heptachlor	0.0013	U F2	0.221	0.290		mg/Kg	☼	131	68 - 132
Heptachlor	0.0013	U F2	0.221	0.153		mg/Kg	☼	69	68 - 132
Heptachlor epoxide	0.0017	U F1 F2	0.221	0.306	F1	mg/Kg	☼	138	72 - 131
Heptachlor epoxide	0.0017	U F1 F2	0.221	0.157	F1	mg/Kg	☼	71	72 - 131
Methoxychlor	0.0025	U F2	0.221	0.287		mg/Kg	☼	130	63 - 135
Methoxychlor	0.0025	U F2	0.221	0.181		mg/Kg	☼	82	63 - 135
trans-Chlordane	0.0020	U F2	0.221	0.313	F1	mg/Kg	☼	141	68 - 135
trans-Chlordane	0.0020	U F2	0.221	0.160		mg/Kg	☼	72	68 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*107*		*49 - 150*
Tetrachloro-m-xylene	*62*	*p*	*47 - 150*

Lab Sample ID: 460-200792-E-2-B MSD
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0019	U F1 F2	0.221	0.256		mg/Kg	☼	116	67 - 130	20	30
4,4'-DDD	0.0019	U F1 F2	0.221	0.299	F1 F2	mg/Kg	☼	135	67 - 130	41	30
4,4'-DDE	0.0013	U F2	0.221	0.253		mg/Kg	☼	114	70 - 127	20	30
4,4'-DDE	0.0013	U F2	0.221	0.243	F2	mg/Kg	☼	110	70 - 127	41	30
4,4'-DDT	0.0020	U F1 F2	0.221	0.241		mg/Kg	☼	109	70 - 122	20	30
4,4'-DDT	0.0020	U F1 F2	0.221	0.278	F1 F2	mg/Kg	☼	126	70 - 122	41	30
Aldrin	0.0017	U F2	0.221	0.247		mg/Kg	☼	112	66 - 137	20	30
Aldrin	0.0017	U F2	0.221	0.235	F2	mg/Kg	☼	106	66 - 137	41	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-200792-E-2-B MSD
Matrix: Solid
Analysis Batch: 670946

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
alpha-BHC	0.0011	U F2	0.221	0.248	F2	mg/Kg	☼	112	65 - 142	45	30
alpha-BHC	0.0011	U F2	0.221	0.268	F2	mg/Kg	☼	121	65 - 142	41	30
beta-BHC	0.0012	U F2	0.221	0.226		mg/Kg	☼	102	70 - 132	21	30
beta-BHC	0.0012	U F2	0.221	0.247	F2	mg/Kg	☼	112	70 - 132	42	30
cis-Chlordane	0.0018	U F2	0.221	0.249		mg/Kg	☼	113	70 - 132	20	30
cis-Chlordane	0.0018	U F2	0.221	0.245	F2	mg/Kg	☼	111	70 - 132	41	30
delta-BHC	0.00068	U F2	0.221	0.251		mg/Kg	☼	114	65 - 136	21	30
delta-BHC	0.00068	U F2	0.221	0.251	F2	mg/Kg	☼	113	65 - 136	41	30
Dieldrin	0.0014	U F2	0.221	0.253		mg/Kg	☼	114	70 - 134	20	30
Dieldrin	0.0014	U F2	0.221	0.262	F2	mg/Kg	☼	119	70 - 134	41	30
Endosulfan I	0.0017	U F2	0.221	0.249		mg/Kg	☼	113	70 - 136	20	30
Endosulfan I	0.0017	U F2	0.221	0.246	F2	mg/Kg	☼	111	70 - 136	41	30
Endosulfan II	0.0029	U F1 F2	0.221	0.248		mg/Kg	☼	112	72 - 127	20	30
Endosulfan II	0.0029	U F1 F2	0.221	0.282	F1 F2	mg/Kg	☼	128	72 - 127	41	30
Endosulfan sulfate	0.0014	U F1 F2	0.221	0.261		mg/Kg	☼	118	71 - 128	19	30
Endosulfan sulfate	0.0014	U F1 F2	0.221	0.299	F1 F2	mg/Kg	☼	135	71 - 128	41	30
Endrin	0.0016	U F2	0.221	0.253		mg/Kg	☼	114	74 - 129	20	30
Endrin	0.0016	U F2	0.221	0.281	F2	mg/Kg	☼	127	74 - 129	41	30
Endrin aldehyde	0.0026	U F2	0.221	0.247		mg/Kg	☼	112	71 - 129	20	30
Endrin aldehyde	0.0026	U F2	0.221	0.283	F2	mg/Kg	☼	128	71 - 129	41	30
Endrin ketone	0.0022	U F1 F2	0.221	0.268		mg/Kg	☼	121	68 - 135	20	30
Endrin ketone	0.0022	U F1 F2	0.221	0.311	F1 F2	mg/Kg	☼	141	68 - 135	40	30
gamma-BHC (Lindane)	0.0010	U F2	0.221	0.229		mg/Kg	☼	104	68 - 136	21	30
gamma-BHC (Lindane)	0.0010	U F2	0.221	0.242	F2	mg/Kg	☼	110	68 - 136	40	30
Heptachlor	0.0013	U F2	0.221	0.237		mg/Kg	☼	107	68 - 132	20	30
Heptachlor	0.0013	U F2	0.221	0.232	F2	mg/Kg	☼	105	68 - 132	41	30
Heptachlor epoxide	0.0017	U F1 F2	0.221	0.251		mg/Kg	☼	113	72 - 131	20	30
Heptachlor epoxide	0.0017	U F1 F2	0.221	0.239	F2	mg/Kg	☼	108	72 - 131	41	30
Methoxychlor	0.0025	U F2	0.221	0.238		mg/Kg	☼	107	63 - 135	19	30
Methoxychlor	0.0025	U F2	0.221	0.276	F2	mg/Kg	☼	125	63 - 135	42	30
trans-Chlordane	0.0020	U F2	0.221	0.256		mg/Kg	☼	116	68 - 135	20	30
trans-Chlordane	0.0020	U F2	0.221	0.243	F2	mg/Kg	☼	110	68 - 135	41	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*114*		*49 - 150*
Tetrachloro-m-xylene	*92*		*47 - 150*

Lab Sample ID: MB 460-671131/1-A
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
4,4'-DDD	0.0011	U	0.0067	0.0011	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
4,4'-DDE	0.00079	U	0.0067	0.00079	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
4,4'-DDT	0.0012	U	0.0067	0.0012	mg/Kg		01/27/20 20:31	01/28/20 09:43	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-671131/1-A
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671131

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Aldrin	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
alpha-BHC	0.00068	U	0.0020	0.00068	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
beta-BHC	0.00075	U	0.0020	0.00075	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Chlordane (n.o.s.)	0.016	U	0.067	0.016	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
cis-Chlordane	0.0011	U	0.0067	0.0011	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
delta-BHC	0.00041	U	0.0020	0.00041	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Dieldrin	0.00087	U	0.0020	0.00087	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan I	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan II	0.0017	U	0.0067	0.0017	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endosulfan sulfate	0.00084	U	0.0067	0.00084	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin	0.00096	U	0.0067	0.00096	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin aldehyde	0.0016	U	0.0067	0.0016	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Endrin ketone	0.0013	U	0.0067	0.0013	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
gamma-BHC (Lindane)	0.00062	U	0.0020	0.00062	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Heptachlor	0.00079	U	0.0067	0.00079	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Heptachlor epoxide	0.0010	U	0.0067	0.0010	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Methoxychlor	0.0015	U	0.0067	0.0015	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
Toxaphene	0.024	U	0.067	0.024	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/27/20 20:31	01/28/20 09:43	1
trans-Chlordane	0.0012	U	0.0067	0.0012	mg/Kg		01/27/20 20:31	01/28/20 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*81*		*49 - 150*	*01/27/20 20:31*	*01/28/20 09:43*	*1*
DCB Decachlorobiphenyl	*83*		*49 - 150*	*01/27/20 20:31*	*01/28/20 09:43*	*1*
Tetrachloro-m-xylene	*84*		*47 - 150*	*01/27/20 20:31*	*01/28/20 09:43*	*1*
Tetrachloro-m-xylene	*85*		*47 - 150*	*01/27/20 20:31*	*01/28/20 09:43*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-671131/2-A
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671131

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.133	0.148		mg/Kg		111	67 - 130
4,4'-DDD	0.133	0.160		mg/Kg		120	67 - 130
4,4'-DDE	0.133	0.149		mg/Kg		112	70 - 127
4,4'-DDE	0.133	0.163		mg/Kg		122	70 - 127
4,4'-DDT	0.133	0.145		mg/Kg		109	70 - 122
4,4'-DDT	0.133	0.159		mg/Kg		119	70 - 122
Aldrin	0.133	0.156		mg/Kg		117	66 - 137
Aldrin	0.133	0.163		mg/Kg		122	66 - 137
alpha-BHC	0.133	0.154		mg/Kg		115	65 - 142
alpha-BHC	0.133	0.152		mg/Kg		114	65 - 142
beta-BHC	0.133	0.150		mg/Kg		112	70 - 132
beta-BHC	0.133	0.149		mg/Kg		112	70 - 132
cis-Chlordane	0.133	0.149		mg/Kg		112	70 - 132
cis-Chlordane	0.133	0.160		mg/Kg		120	70 - 132
delta-BHC	0.133	0.152		mg/Kg		114	65 - 136
delta-BHC	0.133	0.154		mg/Kg		115	65 - 136
Dieldrin	0.133	0.145		mg/Kg		109	70 - 134
Dieldrin	0.133	0.163		mg/Kg		122	70 - 134
Endosulfan I	0.133	0.150		mg/Kg		112	70 - 136
Endosulfan I	0.133	0.163		mg/Kg		122	70 - 136
Endosulfan II	0.133	0.142		mg/Kg		107	72 - 127
Endosulfan II	0.133	0.150		mg/Kg		112	72 - 127
Endosulfan sulfate	0.133	0.157		mg/Kg		118	71 - 128
Endosulfan sulfate	0.133	0.173	*	mg/Kg		129	71 - 128
Endrin	0.133	0.152		mg/Kg		114	74 - 129
Endrin	0.133	0.164		mg/Kg		123	74 - 129
Endrin aldehyde	0.133	0.154		mg/Kg		116	71 - 129
Endrin aldehyde	0.133	0.160		mg/Kg		120	71 - 129
Endrin ketone	0.133	0.146		mg/Kg		110	68 - 135
Endrin ketone	0.133	0.155		mg/Kg		116	68 - 135
gamma-BHC (Lindane)	0.133	0.147		mg/Kg		111	68 - 136
gamma-BHC (Lindane)	0.133	0.152		mg/Kg		114	68 - 136
Heptachlor	0.133	0.157		mg/Kg		118	68 - 132
Heptachlor	0.133	0.155		mg/Kg		116	68 - 132
Heptachlor epoxide	0.133	0.150		mg/Kg		113	72 - 131
Heptachlor epoxide	0.133	0.158		mg/Kg		119	72 - 131
Methoxychlor	0.133	0.156		mg/Kg		117	63 - 135
Methoxychlor	0.133	0.151		mg/Kg		113	63 - 135
trans-Chlordane	0.133	0.148		mg/Kg		111	68 - 135
trans-Chlordane	0.133	0.161		mg/Kg		121	68 - 135

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*49 - 150*
DCB Decachlorobiphenyl	*98*		*49 - 150*
Tetrachloro-m-xylene	*88*		*47 - 150*
Tetrachloro-m-xylene	*88*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-671131/3-A
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671131

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.133	0.140		mg/Kg		105	67 - 130	5	30
4,4'-DDD			0.133	0.156		mg/Kg		117	67 - 130	3	30
4,4'-DDE			0.133	0.142		mg/Kg		106	70 - 127	5	30
4,4'-DDE			0.133	0.164		mg/Kg		123	70 - 127	0	30
4,4'-DDT			0.133	0.137		mg/Kg		103	70 - 122	6	30
4,4'-DDT			0.133	0.152		mg/Kg		114	70 - 122	4	30
Aldrin			0.133	0.149		mg/Kg		112	66 - 137	4	30
Aldrin			0.133	0.167		mg/Kg		125	66 - 137	2	30
alpha-BHC			0.133	0.149		mg/Kg		112	65 - 142	3	30
alpha-BHC			0.133	0.158		mg/Kg		119	65 - 142	4	30
beta-BHC			0.133	0.143		mg/Kg		107	70 - 132	4	30
beta-BHC			0.133	0.153		mg/Kg		115	70 - 132	3	30
cis-Chlordane			0.133	0.141		mg/Kg		106	70 - 132	6	30
cis-Chlordane			0.133	0.162		mg/Kg		121	70 - 132	1	30
delta-BHC			0.133	0.147		mg/Kg		110	65 - 136	4	30
delta-BHC			0.133	0.158		mg/Kg		118	65 - 136	3	30
Dieldrin			0.133	0.138		mg/Kg		104	70 - 134	5	30
Dieldrin			0.133	0.159		mg/Kg		119	70 - 134	2	30
Endosulfan I			0.133	0.142		mg/Kg		106	70 - 136	5	30
Endosulfan I			0.133	0.162		mg/Kg		121	70 - 136	1	30
Endosulfan II			0.133	0.135		mg/Kg		101	72 - 127	5	30
Endosulfan II			0.133	0.144		mg/Kg		108	72 - 127	4	30
Endosulfan sulfate			0.133	0.149		mg/Kg		112	71 - 128	5	30
Endosulfan sulfate			0.133	0.168		mg/Kg		126	71 - 128	3	30
Endrin			0.133	0.144		mg/Kg		108	74 - 129	5	30
Endrin			0.133	0.159		mg/Kg		120	74 - 129	3	30
Endrin aldehyde			0.133	0.146		mg/Kg		110	71 - 129	5	30
Endrin aldehyde			0.133	0.155		mg/Kg		116	71 - 129	3	30
Endrin ketone			0.133	0.140		mg/Kg		105	68 - 135	4	30
Endrin ketone			0.133	0.148		mg/Kg		111	68 - 135	5	30
gamma-BHC (Lindane)			0.133	0.142		mg/Kg		106	68 - 136	4	30
gamma-BHC (Lindane)			0.133	0.156		mg/Kg		117	68 - 136	3	30
Heptachlor			0.133	0.151		mg/Kg		113	68 - 132	4	30
Heptachlor			0.133	0.159		mg/Kg		119	68 - 132	2	30
Heptachlor epoxide			0.133	0.142		mg/Kg		107	72 - 131	5	30
Heptachlor epoxide			0.133	0.162		mg/Kg		121	72 - 131	2	30
Methoxychlor			0.133	0.148		mg/Kg		111	63 - 135	5	30
Methoxychlor			0.133	0.150		mg/Kg		113	63 - 135	1	30
trans-Chlordane			0.133	0.140		mg/Kg		105	68 - 135	6	30
trans-Chlordane			0.133	0.164		mg/Kg		123	68 - 135	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*82*		*49 - 150*
DCB Decachlorobiphenyl	*94*		*49 - 150*
Tetrachloro-m-xylene	*86*		*47 - 150*
Tetrachloro-m-xylene	*89*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201343-H-1-A MS
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671131

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.0014	U F1	0.162	0.200		mg/Kg	☼	123	67 - 130
4,4'-DDD	0.0014	U F1	0.162	0.212	F1	mg/Kg	☼	131	67 - 130
4,4'-DDE	0.0036	J F1	0.162	0.206		mg/Kg	☼	125	70 - 127
4,4'-DDE	0.0041	J	0.162	0.225	F1	mg/Kg	☼	136	70 - 127
4,4'-DDT	0.0037	J	0.162	0.191		mg/Kg	☼	116	70 - 122
4,4'-DDT	0.0039	J	0.162	0.201		mg/Kg	☼	121	70 - 122
Aldrin	0.0012	U F1	0.162	0.210		mg/Kg	☼	129	66 - 137
Aldrin	0.0012	U F1	0.162	0.229	F1	mg/Kg	☼	141	66 - 137
alpha-BHC	0.00083	U	0.162	0.212		mg/Kg	☼	131	65 - 142
alpha-BHC	0.00083	U	0.162	0.221		mg/Kg	☼	136	65 - 142
beta-BHC	0.00091	U	0.162	0.203		mg/Kg	☼	125	70 - 132
beta-BHC	0.00091	U	0.162	0.211		mg/Kg	☼	130	70 - 132
cis-Chlordane	0.0082	F1	0.162	0.206		mg/Kg	☼	122	70 - 132
cis-Chlordane	0.0053	J p	0.162	0.226	F1	mg/Kg	☼	136	70 - 132
delta-BHC	0.00050	U	0.162	0.210		mg/Kg	☼	129	65 - 136
delta-BHC	0.00050	U	0.162	0.220		mg/Kg	☼	136	65 - 136
Dieldrin	0.0011	U	0.162	0.196		mg/Kg	☼	121	70 - 134
Dieldrin	0.0011	U	0.162	0.215		mg/Kg	☼	132	70 - 134
Endosulfan I	0.0012	U	0.162	0.203		mg/Kg	☼	125	70 - 136
Endosulfan I	0.0012	U	0.162	0.220		mg/Kg	☼	135	70 - 136
Endosulfan II	0.0021	U	0.162	0.195		mg/Kg	☼	120	72 - 127
Endosulfan II	0.0021	U	0.162	0.197		mg/Kg	☼	121	72 - 127
Endosulfan sulfate	0.0010	U F1 *	0.162	0.208		mg/Kg	☼	128	71 - 128
Endosulfan sulfate	0.0010	U F1 *	0.162	0.216	F1	mg/Kg	☼	133	71 - 128
Endrin	0.0012	U	0.162	0.192		mg/Kg	☼	118	74 - 129
Endrin	0.0012	U	0.162	0.201		mg/Kg	☼	124	74 - 129
Endrin aldehyde	0.0019	U	0.162	0.173		mg/Kg	☼	107	71 - 129
Endrin aldehyde	0.0019	U	0.162	0.169		mg/Kg	☼	104	71 - 129
Endrin ketone	0.0016	U	0.162	0.207		mg/Kg	☼	128	68 - 135
Endrin ketone	0.0016	U	0.162	0.202		mg/Kg	☼	124	68 - 135
gamma-BHC (Lindane)	0.00076	U	0.162	0.202		mg/Kg	☼	124	68 - 136
gamma-BHC (Lindane)	0.00076	U	0.162	0.218		mg/Kg	☼	134	68 - 136
Heptachlor	0.00096	U	0.162	0.207		mg/Kg	☼	128	68 - 132
Heptachlor	0.00096	U	0.162	0.211		mg/Kg	☼	130	68 - 132
Heptachlor epoxide	0.0012	U F1	0.162	0.201		mg/Kg	☼	124	72 - 131
Heptachlor epoxide	0.0012	U F1	0.162	0.219	F1	mg/Kg	☼	135	72 - 131
Methoxychlor	0.0019	U	0.162	0.201		mg/Kg	☼	124	63 - 135
Methoxychlor	0.0019	U	0.162	0.189		mg/Kg	☼	116	63 - 135
trans-Chlordane	0.0025	J	0.162	0.201		mg/Kg	☼	122	68 - 135
trans-Chlordane	0.0025	J	0.162	0.220		mg/Kg	☼	134	68 - 135

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*49 - 150*
DCB Decachlorobiphenyl	*113*		*49 - 150*
Tetrachloro-m-xylene	*109*		*47 - 150*
Tetrachloro-m-xylene	*112*		*47 - 150*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 460-201343-H-1-B MSD
Matrix: Solid
Analysis Batch: 671157

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 671131

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.0014	U F1	0.162	0.173		mg/Kg	☼	107	67 - 130	15	30
4,4'-DDD	0.0014	U F1	0.162	0.181		mg/Kg	☼	111	67 - 130	16	30
4,4'-DDE	0.0036	J F1	0.162	0.177		mg/Kg	☼	107	70 - 127	15	30
4,4'-DDE	0.0041	J	0.162	0.191		mg/Kg	☼	115	70 - 127	17	30
4,4'-DDT	0.0037	J	0.162	0.166		mg/Kg	☼	100	70 - 122	14	30
4,4'-DDT	0.0039	J	0.162	0.172		mg/Kg	☼	103	70 - 122	16	30
Aldrin	0.0012	U F1	0.162	0.180		mg/Kg	☼	111	66 - 137	15	30
Aldrin	0.0012	U F1	0.162	0.192		mg/Kg	☼	118	66 - 137	17	30
alpha-BHC	0.00083	U	0.162	0.183		mg/Kg	☼	113	65 - 142	15	30
alpha-BHC	0.00083	U	0.162	0.192		mg/Kg	☼	118	65 - 142	14	30
beta-BHC	0.00091	U	0.162	0.172		mg/Kg	☼	106	70 - 132	16	30
beta-BHC	0.00091	U	0.162	0.179		mg/Kg	☼	110	70 - 132	17	30
cis-Chlordane	0.0082	F1	0.162	0.177		mg/Kg	☼	104	70 - 132	15	30
cis-Chlordane	0.0053	J p	0.162	0.193		mg/Kg	☼	115	70 - 132	16	30
delta-BHC	0.00050	U	0.162	0.179		mg/Kg	☼	110	65 - 136	16	30
delta-BHC	0.00050	U	0.162	0.188		mg/Kg	☼	116	65 - 136	16	30
Dieldrin	0.0011	U	0.162	0.169		mg/Kg	☼	104	70 - 134	15	30
Dieldrin	0.0011	U	0.162	0.182		mg/Kg	☼	112	70 - 134	16	30
Endosulfan I	0.0012	U	0.162	0.175		mg/Kg	☼	108	70 - 136	15	30
Endosulfan I	0.0012	U	0.162	0.186		mg/Kg	☼	115	70 - 136	17	30
Endosulfan II	0.0021	U	0.162	0.169		mg/Kg	☼	104	72 - 127	14	30
Endosulfan II	0.0021	U	0.162	0.169		mg/Kg	☼	104	72 - 127	16	30
Endosulfan sulfate	0.0010	U F1 *	0.162	0.180		mg/Kg	☼	111	71 - 128	14	30
Endosulfan sulfate	0.0010	U F1 *	0.162	0.184		mg/Kg	☼	114	71 - 128	16	30
Endrin	0.0012	U	0.162	0.165		mg/Kg	☼	102	74 - 129	15	30
Endrin	0.0012	U	0.162	0.170		mg/Kg	☼	105	74 - 129	17	30
Endrin aldehyde	0.0019	U	0.162	0.144		mg/Kg	☼	88	71 - 129	19	30
Endrin aldehyde	0.0019	U	0.162	0.138		mg/Kg	☼	85	71 - 129	20	30
Endrin ketone	0.0016	U	0.162	0.179		mg/Kg	☼	110	68 - 135	15	30
Endrin ketone	0.0016	U	0.162	0.176		mg/Kg	☼	108	68 - 135	14	30
gamma-BHC (Lindane)	0.00076	U	0.162	0.174		mg/Kg	☼	107	68 - 136	15	30
gamma-BHC (Lindane)	0.00076	U	0.162	0.187		mg/Kg	☼	115	68 - 136	15	30
Heptachlor	0.00096	U	0.162	0.176		mg/Kg	☼	108	68 - 132	16	30
Heptachlor	0.00096	U	0.162	0.179		mg/Kg	☼	110	68 - 132	16	30
Heptachlor epoxide	0.0012	U F1	0.162	0.173		mg/Kg	☼	106	72 - 131	15	30
Heptachlor epoxide	0.0012	U F1	0.162	0.186		mg/Kg	☼	115	72 - 131	16	30
Methoxychlor	0.0019	U	0.162	0.173		mg/Kg	☼	107	63 - 135	15	30
Methoxychlor	0.0019	U	0.162	0.160		mg/Kg	☼	99	63 - 135	16	30
trans-Chlordane	0.0025	J	0.162	0.172		mg/Kg	☼	105	68 - 135	15	30
trans-Chlordane	0.0025	J	0.162	0.188		mg/Kg	☼	114	68 - 135	16	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*87*		*49 - 150*
DCB Decachlorobiphenyl	*89*		*49 - 150*
Tetrachloro-m-xylene	*89*		*47 - 150*
Tetrachloro-m-xylene	*90*		*47 - 150*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-670026/1-A
Matrix: Solid
Analysis Batch: 670234

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670026

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/22/20 20:19	01/23/20 18:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*53 - 150*	*01/22/20 20:19*	*01/23/20 18:56*	*1*
DCB Decachlorobiphenyl	*100*		*53 - 150*	*01/22/20 20:19*	*01/23/20 18:56*	*1*

Lab Sample ID: LCS 460-670026/2-A
Matrix: Solid
Analysis Batch: 670234

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670026

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.340		mg/Kg		102	76 - 146
Aroclor 1016	0.333	0.297		mg/Kg		89	76 - 146
Aroclor 1260	0.333	0.374		mg/Kg		112	74 - 148
Aroclor 1260	0.333	0.328		mg/Kg		98	74 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*85*		*53 - 150*
DCB Decachlorobiphenyl	*93*		*53 - 150*

Lab Sample ID: LCSD 460-670026/3-A
Matrix: Solid
Analysis Batch: 670234

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670026

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.333		mg/Kg		100	76 - 146	2	30
Aroclor 1016	0.333	0.294		mg/Kg		88	76 - 146	1	30
Aroclor 1260	0.333	0.369		mg/Kg		111	74 - 148	1	30
Aroclor 1260	0.333	0.310		mg/Kg		93	74 - 148	6	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	85		53 - 150
DCB Decachlorobiphenyl	94		53 - 150

Lab Sample ID: 460-201022-H-19-A MS — **Client Sample ID: Matrix Spike**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 670234 — **Prep Batch: 670026**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.011	U	0.409	0.487		mg/Kg	☼	119	76 - 146
Aroclor 1016	0.011	U	0.409	0.429		mg/Kg	☼	105	76 - 146
Aroclor 1260	0.011	U	0.409	0.531		mg/Kg	☼	130	74 - 148
Aroclor 1260	0.011	U	0.409	0.476		mg/Kg	☼	116	74 - 148

Surrogate	MS %Recovery	MS Qualifier	Limits
DCB Decachlorobiphenyl	96		53 - 150
DCB Decachlorobiphenyl	110		53 - 150

Lab Sample ID: 460-201022-H-19-B MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 670234 — **Prep Batch: 670026**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.011	U	0.409	0.429		mg/Kg	☼	105	76 - 146	13	30
Aroclor 1016	0.011	U	0.409	0.381		mg/Kg	☼	93	76 - 146	12	30
Aroclor 1260	0.011	U	0.409	0.470		mg/Kg	☼	115	74 - 148	12	30
Aroclor 1260	0.011	U	0.409	0.428		mg/Kg	☼	105	74 - 148	10	30

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	85		53 - 150
DCB Decachlorobiphenyl	98		53 - 150

Lab Sample ID: MB 460-670141/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 670521 — **Prep Batch: 670141**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 460-670141/1-A
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670141

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/23/20 08:50	01/24/20 19:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*106*		*53 - 150*	*01/23/20 08:50*	*01/24/20 19:30*	*1*
DCB Decachlorobiphenyl	*107*		*53 - 150*	*01/23/20 08:50*	*01/24/20 19:30*	*1*

Lab Sample ID: LCS 460-670141/2-A
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670141

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.335		mg/Kg		100	76 - 146
Aroclor 1016	0.333	0.326		mg/Kg		98	76 - 146
Aroclor 1260	0.333	0.377		mg/Kg		113	74 - 148
Aroclor 1260	0.333	0.352		mg/Kg		105	74 - 148

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*53 - 150*
DCB Decachlorobiphenyl	*105*		*53 - 150*

Lab Sample ID: LCSD 460-670141/3-A
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670141

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.333	0.335		mg/Kg		100	76 - 146	0	30
Aroclor 1016	0.333	0.321		mg/Kg		96	76 - 146	2	30
Aroclor 1260	0.333	0.377		mg/Kg		113	74 - 148	0	30
Aroclor 1260	0.333	0.341		mg/Kg		102	74 - 148	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*108*		*53 - 150*
DCB Decachlorobiphenyl	*101*		*53 - 150*

Lab Sample ID: 460-201312-B-3-B MS
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670141

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.0092	U	0.344	0.472		mg/Kg	☼	137	76 - 146
Aroclor 1016	0.0092	U	0.344	0.475		mg/Kg	☼	138	76 - 146
Aroclor 1260	0.0095	U F1	0.344	0.550	F1	mg/Kg	☼	160	74 - 148
Aroclor 1260	0.0095	U F1	0.344	0.547	F1	mg/Kg	☼	159	74 - 148

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-201312-B-3-B MS
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670141

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*140*		*53 - 150*
DCB Decachlorobiphenyl	*140*		*53 - 150*

Lab Sample ID: 460-201312-B-3-C MSD
Matrix: Solid
Analysis Batch: 670521

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670141

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.0092	U	0.344	0.471		mg/Kg	☼	137	76 - 146	0	30
Aroclor 1016	0.0092	U	0.344	0.460		mg/Kg	☼	134	76 - 146	3	30
Aroclor 1260	0.0095	U F1	0.344	0.553	F1	mg/Kg	☼	161	74 - 148	0	30
Aroclor 1260	0.0095	U F1	0.344	0.526	F1	mg/Kg	☼	153	74 - 148	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*142*		*53 - 150*
DCB Decachlorobiphenyl	*141*		*53 - 150*

Lab Sample ID: MB 460-670587/1-A
Matrix: Solid
Analysis Batch: 670948

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670587

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/24/20 19:52	01/27/20 09:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*80*		*53 - 150*	*01/24/20 19:52*	*01/27/20 09:05*	*1*
DCB Decachlorobiphenyl	*91*		*53 - 150*	*01/24/20 19:52*	*01/27/20 09:05*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCS 460-670587/2-A
Matrix: Solid
Analysis Batch: 670948

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670587

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016			0.333	0.324		mg/Kg		97	76 - 146		
Aroclor 1016			0.333	0.282		mg/Kg		85	76 - 146		
Aroclor 1260			0.333	0.354		mg/Kg		106	74 - 148		
Aroclor 1260			0.333	0.311		mg/Kg		93	74 - 148		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*80*		*53 - 150*
DCB Decachlorobiphenyl	*92*		*53 - 150*

Lab Sample ID: LCSD 460-670587/3-A
Matrix: Solid
Analysis Batch: 670948

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670587

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.329		mg/Kg		99	76 - 146	2	30
Aroclor 1016			0.333	0.315		mg/Kg		94	76 - 146	11	30
Aroclor 1260			0.333	0.365		mg/Kg		110	74 - 148	3	30
Aroclor 1260			0.333	0.319		mg/Kg		96	74 - 148	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*53 - 150*
DCB Decachlorobiphenyl	*91*		*53 - 150*

Lab Sample ID: 460-200792-E-2-D MS
Matrix: Solid
Analysis Batch: 671068

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 670587

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.015	U	0.553	0.506		mg/Kg	☼	91	76 - 146		
Aroclor 1016	0.015	U	0.553	0.537		mg/Kg	☼	97	76 - 146		
Aroclor 1260	0.015	U	0.553	0.618		mg/Kg	☼	112	74 - 148		
Aroclor 1260	0.015	U	0.553	0.610		mg/Kg	☼	110	74 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*53 - 150*
DCB Decachlorobiphenyl	*100*		*53 - 150*

Lab Sample ID: 460-200792-E-2-E MSD
Matrix: Solid
Analysis Batch: 671068

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670587

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.015	U	0.553	0.569		mg/Kg	☼	103	76 - 146	12	30
Aroclor 1016	0.015	U	0.553	0.626		mg/Kg	☼	113	76 - 146	15	30
Aroclor 1260	0.015	U	0.553	0.683		mg/Kg	☼	124	74 - 148	10	30
Aroclor 1260	0.015	U	0.553	0.709		mg/Kg	☼	128	74 - 148	15	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 460-200792-E-2-E MSD
Matrix: Solid
Analysis Batch: 671068

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 670587

Surrogate	MSD %Recovery	MSD Qualifier	Limits
DCB Decachlorobiphenyl	92		53 - 150
DCB Decachlorobiphenyl	117		53 - 150

Lab Sample ID: MB 460-671138/1-A
Matrix: Solid
Analysis Batch: 671237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1016	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1221	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1232	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1242	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1248	0.0089	U	0.067	0.0089	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1254	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1260	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor-1262	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Aroclor 1268	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1
Polychlorinated biphenyls, Total	0.0092	U	0.067	0.0092	mg/Kg		01/27/20 20:39	01/28/20 10:47	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	108		53 - 150	01/27/20 20:39	01/28/20 10:47	1
DCB Decachlorobiphenyl	103		53 - 150	01/27/20 20:39	01/28/20 10:47	1

Lab Sample ID: LCS 460-671138/2-A
Matrix: Solid
Analysis Batch: 671237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	0.333	0.303		mg/Kg		91	76 - 146
Aroclor 1016	0.333	0.319		mg/Kg		96	76 - 146
Aroclor 1260	0.333	0.355		mg/Kg		107	74 - 148
Aroclor 1260	0.333	0.359		mg/Kg		108	74 - 148

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	103		53 - 150
DCB Decachlorobiphenyl	106		53 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-671138/3-A
Matrix: Solid
Analysis Batch: 671237

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671138

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			0.333	0.332		mg/Kg		100	76 - 146	4	30
Aroclor 1016			0.333	0.330		mg/Kg		99	76 - 146	9	30
Aroclor 1260			0.333	0.383		mg/Kg		115	74 - 148	7	30
Aroclor 1260			0.333	0.374		mg/Kg		112	74 - 148	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*53 - 150*
DCB Decachlorobiphenyl	*106*		*53 - 150*

Lab Sample ID: 460-201343-H-1-D MS
Matrix: Solid
Analysis Batch: 671237

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Aroclor 1016	0.011	U	0.406	0.460		mg/Kg	☼	113	76 - 146		
Aroclor 1016	0.011	U	0.406	0.421		mg/Kg	☼	104	76 - 146		
Aroclor 1260	0.011	U	0.406	0.504		mg/Kg	☼	124	74 - 148		
Aroclor 1260	0.011	U	0.406	0.512		mg/Kg	☼	126	74 - 148		

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*111*		*53 - 150*
DCB Decachlorobiphenyl	*103*		*53 - 150*

Lab Sample ID: 460-201343-H-1-E MSD
Matrix: Solid
Analysis Batch: 671237

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 671138

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	0.011	U	0.406	0.433		mg/Kg	☼	107	76 - 146	6	30
Aroclor 1016	0.011	U	0.406	0.443		mg/Kg	☼	109	76 - 146	5	30
Aroclor 1260	0.011	U	0.406	0.469		mg/Kg	☼	115	74 - 148	7	30
Aroclor 1260	0.011	U	0.406	0.490		mg/Kg	☼	121	74 - 148	4	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*110*		*53 - 150*
DCB Decachlorobiphenyl	*104*		*53 - 150*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-671688/1-A ^10
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6.9	U	20.0	6.9	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Antimony	0.29	U	1.0	0.29	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Arsenic	0.32	U	1.0	0.32	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Barium	0.66	U	2.0	0.66	mg/Kg		01/30/20 03:02	01/30/20 15:44	10

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-671688/1-A ^10
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671688

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.16	U	0.40	0.16	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Cadmium	0.34	U	1.0	0.34	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Calcium	29.7	U	100	29.7	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Chromium	0.60	U	2.0	0.60	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Cobalt	0.60	U	2.0	0.60	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Copper	0.57	U	2.0	0.57	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Iron	21.0	U	60.0	21.0	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Lead	0.19	U	0.60	0.19	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Magnesium	27.8	U	100	27.8	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Manganese	1.2	U	4.0	1.2	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Nickel	0.65	U	2.0	0.65	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Potassium	36.0	U	100	36.0	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Selenium	0.29	U	5.0	0.29	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Silver	0.62	U	1.0	0.62	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Sodium	31.3	U	100	31.3	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Thallium	0.13	U	0.40	0.13	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Vanadium	0.57	U	2.0	0.57	mg/Kg		01/30/20 03:02	01/30/20 15:44	10
Zinc	3.9	U	8.0	3.9	mg/Kg		01/30/20 03:02	01/30/20 15:44	10

Lab Sample ID: LCSSRM 460-671688/2-A ^20
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671688

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8460	7456		mg/Kg		88.1	50.4 - 150.1
Antimony	120	78.01		mg/Kg		65.0	4.8 - 195.0
Arsenic	95.5	97.22		mg/Kg		101.8	82.8 - 117.3
Barium	300	305.2		mg/Kg		101.7	82.3 - 117.7
Beryllium	103	99.33		mg/Kg		96.4	82.8 - 116.5
Cadmium	135	134.5		mg/Kg		99.6	83.0 - 117.8
Calcium	4720	5327		mg/Kg		112.9	81.6 - 118.6
Chromium	147	145.8		mg/Kg		99.2	82.3 - 117.7
Cobalt	43.2	43.00		mg/Kg		99.5	83.8 - 116.2
Copper	150	151.8		mg/Kg		101.2	84.0 - 116.0
Iron	14400	14060		mg/Kg		97.7	61.3 - 138.9
Lead	92.3	96.84		mg/Kg		104.9	83.1 - 117.0
Magnesium	2300	2297		mg/Kg		99.9	75.7 - 124.3
Manganese	677	664.7		mg/Kg		98.2	82.0 - 118.2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCSSRM 460-671688/2-A ^20
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671688

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Nickel	59.8	59.94		mg/Kg		100.2	82.6 - 117.6
Potassium	2030	1931		mg/Kg		95.1	70.0 - 130.0
Selenium	42.0	45.28		mg/Kg		107.8	79.5 - 120.5
Silver	40.3	43.28		mg/Kg		107.4	80.6 - 119.4
Sodium	139	121.8	J	mg/Kg		87.6	71.9 - 127.3
Thallium	83.1	86.96		mg/Kg		104.6	81.0 - 119.0
Vanadium	96.9	95.77		mg/Kg		98.8	79.2 - 120.7
Zinc	369	364.1		mg/Kg		98.7	80.8 - 119.2

Lab Sample ID: 460-201587-4 MS
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-07_18-20_20200124
Prep Type: Total/NA
Prep Batch: 671688

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	2470		522	3596	4	mg/Kg	☼	216	75 - 125
Antimony	0.31	U F1	5.22	3.88	F1	mg/Kg	☼	74	75 - 125
Arsenic	1.7		10.4	11.75		mg/Kg	☼	97	75 - 125
Barium	26.1	F1	10.4	39.52	F1	mg/Kg	☼	128	75 - 125
Beryllium	0.17	U	5.22	4.95		mg/Kg	☼	95	75 - 125
Cadmium	0.35	U	5.22	5.10		mg/Kg	☼	98	75 - 125
Calcium	1110		522	1735		mg/Kg	☼	121	75 - 125
Chromium	9.7		10.4	21.42		mg/Kg	☼	112	75 - 125
Cobalt	6.2		5.22	11.26		mg/Kg	☼	97	75 - 125
Copper	14.4		10.4	23.98		mg/Kg	☼	91	75 - 125
Iron	20900		522	22140	4	mg/Kg	☼	235	75 - 125
Lead	4.7		5.22	10.24		mg/Kg	☼	106	75 - 125
Magnesium	1400	F1	522	2165	F1	mg/Kg	☼	147	75 - 125
Manganese	334		52.2	406.2	4	mg/Kg	☼	137	75 - 125
Nickel	10.1		10.4	22.17		mg/Kg	☼	116	75 - 125
Potassium	432	F1	522	1094	F1	mg/Kg	☼	127	75 - 125
Selenium	0.30	U	10.4	9.64		mg/Kg	☼	92	75 - 125
Silver	0.64	U	5.22	4.18		mg/Kg	☼	80	75 - 125
Sodium	153		522	729.9		mg/Kg	☼	111	75 - 125
Thallium	0.13	U	4.17	4.40		mg/Kg	☼	105	75 - 125
Vanadium	30.3	F1	10.4	43.75	F1	mg/Kg	☼	129	75 - 125
Zinc	19.7		52.2	72.21		mg/Kg	☼	101	75 - 125

Lab Sample ID: 460-201587-4 DU
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-07_18-20_20200124
Prep Type: Total/NA
Prep Batch: 671688

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	2470		1936	F3	mg/Kg	☼	24	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-201587-4 DU
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-07_18-20_20200124
Prep Type: Total/NA
Prep Batch: 671688

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Antimony	0.31	U F1	0.31	U	mg/Kg	☼	NC	20
Arsenic	1.7		2.39	F5	mg/Kg	☼	35	20
Barium	26.1	F1	34.74	F3	mg/Kg	☼	28	20
Beryllium	0.17	U	0.17	U	mg/Kg	☼	NC	20
Cadmium	0.35	U	0.35	U	mg/Kg	☼	NC	20
Calcium	1110		1055		mg/Kg	☼	5	20
Chromium	9.7		9.05		mg/Kg	☼	7	20
Cobalt	6.2		5.60		mg/Kg	☼	10	20
Copper	14.4		12.60		mg/Kg	☼	14	20
Iron	20900		20770		mg/Kg	☼	0.7	20
Lead	4.7		4.67		mg/Kg	☼	0.4	20
Magnesium	1400	F1	1045	F3	mg/Kg	☼	29	20
Manganese	334		419.2	F3	mg/Kg	☼	22	20
Nickel	10.1		9.60		mg/Kg	☼	5	20
Potassium	432	F1	311.1	F3	mg/Kg	☼	32	20
Selenium	0.30	U	0.30	U	mg/Kg	☼	NC	20
Silver	0.64	U	0.64	U	mg/Kg	☼	NC	20
Sodium	153		132.2		mg/Kg	☼	14	20
Thallium	0.13	U	0.13	U	mg/Kg	☼	NC	20
Vanadium	30.3	F1	33.34		mg/Kg	☼	9	20
Zinc	19.7		17.88		mg/Kg	☼	10	20

Lab Sample ID: MB 460-671690/1-A ^10
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671690

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	6.9	U	20.0	6.9	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Antimony	0.29	U	1.0	0.29	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Arsenic	0.32	U	1.0	0.32	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Barium	0.66	U	2.0	0.66	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Beryllium	0.16	U	0.40	0.16	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Cadmium	0.34	U	1.0	0.34	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Calcium	29.7	U	100	29.7	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Chromium	0.60	U	2.0	0.60	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Cobalt	0.60	U	2.0	0.60	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Copper	0.57	U	2.0	0.57	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Iron	21.0	U	60.0	21.0	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Lead	0.19	U	0.60	0.19	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Magnesium	27.8	U	100	27.8	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Manganese	1.2	U	4.0	1.2	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Nickel	0.65	U	2.0	0.65	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Potassium	36.0	U	100	36.0	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Selenium	0.29	U	5.0	0.29	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Silver	0.62	U	1.0	0.62	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Sodium	31.3	U	100	31.3	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Thallium	0.13	U	0.40	0.13	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Vanadium	0.57	U	2.0	0.57	mg/Kg		01/30/20 03:06	01/30/20 14:15	10
Zinc	3.9	U	8.0	3.9	mg/Kg		01/30/20 03:06	01/30/20 14:15	10

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: LCSSRM 460-671690/2-A ^20
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671690

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	8460	7624		mg/Kg		90.1	50.4 - 150.1
Antimony	120	79.28		mg/Kg		66.1	4.8 - 195.0
Arsenic	95.5	98.49		mg/Kg		103.1	82.8 - 117.3
Barium	300	308.5		mg/Kg		102.8	82.3 - 117.7
Beryllium	103	100.6		mg/Kg		97.7	82.8 - 116.5
Cadmium	135	134.3		mg/Kg		99.5	83.0 - 117.8
Calcium	4720	4287		mg/Kg		90.8	81.6 - 118.6
Chromium	147	147.0		mg/Kg		100	82.3 - 117.7
Cobalt	43.2	42.90		mg/Kg		99.3	83.8 - 116.2
Copper	150	154.6		mg/Kg		103.1	84.0 - 116.0
Iron	14400	14290		mg/Kg		99.2	61.3 - 138.9
Lead	92.3	97.37		mg/Kg		105.5	83.1 - 117.0
Magnesium	2300	2364		mg/Kg		102.8	75.7 - 124.3
Manganese	677	675.7		mg/Kg		99.8	82.0 - 118.2
Nickel	59.8	60.10		mg/Kg		100.5	82.6 - 117.6
Potassium	2030	1929		mg/Kg		95.0	70.0 - 130.0
Selenium	42.0	40.82		mg/Kg		97.2	79.5 - 120.5
Silver	40.3	43.12		mg/Kg		107.0	80.6 - 119.4
Sodium	139	123.4	J	mg/Kg		88.8	71.9 - 127.3
Thallium	83.1	87.87		mg/Kg		105.7	81.0 - 119.0
Vanadium	96.9	95.08		mg/Kg		98.1	79.2 - 120.7
Zinc	369	375.7		mg/Kg		101.8	80.8 - 119.2

Lab Sample ID: 460-201482-2 MS
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-01_0.5-2.5_20200123
Prep Type: Total/NA
Prep Batch: 671690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	6320		583	7050	4	mg/Kg	☼	125	75 - 125
Antimony	0.34	U F1	5.83	3.65	F1	mg/Kg	☼	63	75 - 125
Arsenic	3.3		11.7	14.24		mg/Kg	☼	94	75 - 125
Barium	34.2	F1	11.7	53.81	F1	mg/Kg	☼	168	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-201482-2 MS
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-01_0.5-2.5_20200123
Prep Type: Total/NA
Prep Batch: 671690

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.19	U	5.83	5.85		mg/Kg	☼	100	75 - 125
Cadmium	0.39	U	5.83	5.96		mg/Kg	☼	102	75 - 125
Calcium	2200	F1	583	10690	F1	mg/Kg	☼	1455	75 - 125
Chromium	12.2		11.7	24.73		mg/Kg	☼	108	75 - 125
Cobalt	4.5		5.83	10.17		mg/Kg	☼	98	75 - 125
Copper	20.6	F1	11.7	27.78	F1	mg/Kg	☼	62	75 - 125
Iron	10900		583	11450	4	mg/Kg	☼	90	75 - 125
Lead	47.7		5.83	58.41	4	mg/Kg	☼	183	75 - 125
Magnesium	2280	F1	583	6432	F1	mg/Kg	☼	712	75 - 125
Manganese	176	F1	58.3	212.0	F1	mg/Kg	☼	61	75 - 125
Nickel	15.6		11.7	26.82		mg/Kg	☼	96	75 - 125
Potassium	779		583	1423		mg/Kg	☼	111	75 - 125
Selenium	0.34	U	11.7	11.69		mg/Kg	☼	100	75 - 125
Silver	0.72	U	5.83	4.88		mg/Kg	☼	84	75 - 125
Sodium	156		583	758.9		mg/Kg	☼	103	75 - 125
Thallium	0.15	U	4.67	4.90		mg/Kg	☼	105	75 - 125
Vanadium	18.8		11.7	32.87		mg/Kg	☼	120	75 - 125
Zinc	85.9		58.3	133.0		mg/Kg	☼	81	75 - 125

Lab Sample ID: 460-201482-2 DU
Matrix: Solid
Analysis Batch: 671830

Client Sample ID: SB-01_0.5-2.5_20200123
Prep Type: Total/NA
Prep Batch: 671690

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Aluminum	6320		6512		mg/Kg	☼	3	20
Antimony	0.34	U F1	0.34	U	mg/Kg	☼	NC	20
Arsenic	3.3		3.72		mg/Kg	☼	11	20
Barium	34.2	F1	44.13	F3	mg/Kg	☼	25	20
Beryllium	0.19	U	0.19	U	mg/Kg	☼	NC	20
Cadmium	0.39	U	0.39	U	mg/Kg	☼	NC	20
Calcium	2200	F1	8007	F3	mg/Kg	☼	114	20
Chromium	12.2		12.46		mg/Kg	☼	2	20
Cobalt	4.5		4.34		mg/Kg	☼	3	20
Copper	20.6	F1	17.51		mg/Kg	☼	16	20
Iron	10900		10840		mg/Kg	☼	0.8	20
Lead	47.7		59.25	F3	mg/Kg	☼	22	20
Magnesium	2280	F1	5120	F3	mg/Kg	☼	77	20
Manganese	176	F1	195.2		mg/Kg	☼	10	20
Nickel	15.6		14.77		mg/Kg	☼	6	20
Potassium	779		697.8		mg/Kg	☼	11	20
Selenium	0.34	U	0.34	U	mg/Kg	☼	NC	20
Silver	0.72	U	0.72	U	mg/Kg	☼	NC	20
Sodium	156		158.5		mg/Kg	☼	1	20
Thallium	0.15	U	0.15	U	mg/Kg	☼	NC	20
Vanadium	18.8		17.88		mg/Kg	☼	5	20
Zinc	85.9		117.9	F3	mg/Kg	☼	31	20

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-671703/10-A
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671703

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg		01/30/20 04:02	01/30/20 08:07	1

Lab Sample ID: LCSSRM 460-671703/11-A ^40
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671703

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	18.4	19.01		mg/Kg		103.3	60.9 - 138.6

Lab Sample ID: 460-201776-D-1-H MS
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671703

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.14		0.0857	0.207		mg/Kg	☼	81	75 - 125

Lab Sample ID: 460-201776-D-1-G DU
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 671703

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.14		0.132		mg/Kg	☼	5	20

Lab Sample ID: MB 460-671704/1-A
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671704

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg		01/30/20 04:26	01/30/20 08:57	1

Lab Sample ID: LCSSRM 460-671704/2-A ^40
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671704

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	18.4	17.98		mg/Kg		97.7	60.9 - 138.6

Lab Sample ID: 460-201587-10 MS
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: SB-11_19-21_20200124
Prep Type: Total/NA
Prep Batch: 671704

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.010	U	0.0869	0.0763		mg/Kg	☼	88	75 - 125

Method: 7471B - Mercury (CVAA) (Continued)

Lab Sample ID: 460-201587-10 DU
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: SB-11_19-21_20200124
Prep Type: Total/NA
Prep Batch: 671704

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.010	U	0.010	U	mg/Kg	☼	NC	20

Lab Sample ID: MB 460-671706/1-A
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671706

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.010	U	0.017	0.010	mg/Kg		01/30/20 04:46	01/30/20 10:10	1

Lab Sample ID: LCSSRM 460-671706/2-A ^40
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671706

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	18.4	17.23		mg/Kg		93.6	60.9 - 138.6

Lab Sample ID: 460-201482-3 MS
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: SB-01_16-18_20200123
Prep Type: Total/NA
Prep Batch: 671706

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.0098	U	0.0820	0.0783		mg/Kg	☼	95	75 - 125

Lab Sample ID: 460-201482-3 DU
Matrix: Solid
Analysis Batch: 671816

Client Sample ID: SB-01_16-18_20200123
Prep Type: Total/NA
Prep Batch: 671706

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.0098	U	0.0098	U	mg/Kg	☼	NC	20

Method: Moisture - Percent Moisture

Lab Sample ID: 460-201296-5 DU
Matrix: Solid
Analysis Batch: 671381

Client Sample ID: SB-02_0.5-1.5_20200121
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	9.2		8.9		%		3	20
Percent Solids	90.8		91.1		%		0.3	20

Lab Sample ID: 460-201482-3 DU
Matrix: Solid
Analysis Batch: 671384

Client Sample ID: SB-01_16-18_20200123
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Percent Moisture	3.3		3.4		%		3	20
Percent Solids	96.7		96.6		%		0.1	20

Method: Moisture - Percent Moisture (Continued)

Lab Sample ID: 460-201537-F-2 DU
Matrix: Solid
Analysis Batch: 671389

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	15.5			17.0		%				9	20
Percent Solids	84.5			83.0		%				2	20

Lab Sample ID: 460-201556-I-7 DU
Matrix: Solid
Analysis Batch: 671410

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Percent Moisture	12.9			16.9	F3	%				27	20
Percent Solids	87.1			83.1		%				5	20

GC/MS VOA

Prep Batch: 669900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	5035	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	5035	
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	5035	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	5035	
LB3 460-669900/1-A	Method Blank	Total/NA	Solid	5035	

Prep Batch: 670142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	5035	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	5035	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	5035	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	5035	
LB3 460-670142/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 670294

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-669900/1-A	Method Blank	Total/NA	Solid	8260C	669900
LB3 460-670142/1-A	Method Blank	Total/NA	Solid	8260C	670142
MB 460-670294/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-670294/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-670294/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 670602

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	5035	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	5035	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	5035	
LB3 460-670602/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 670701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	8260C	669900
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	8260C	669900
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	8260C	670602
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	8260C	670602
LB3 460-670602/1-A	Method Blank	Total/NA	Solid	8260C	670602
MB 460-670701/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-670701/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-670701/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Prep Batch: 670721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	5035	

Prep Batch: 670722

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	5035	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	5035	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	5035	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	5035	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	5035	

GC/MS VOA (Continued)

Prep Batch: 670722 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	5035	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	5035	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	5035	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	5035	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	5035	
LB3 460-670722/1-A	Method Blank	Total/NA	Solid	5035	

Analysis Batch: 670762

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	8260C	670142
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	8260C	670142
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	8260C	670142
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	8260C	670602
MB 460-670762/7	Method Blank	Total/NA	Solid	8260C	
LCS 460-670762/3	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-670762/4	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 670776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-1	TB-01_20200120	Total/NA	Water	8260C	
460-201362-5	TB-01_20200122	Total/NA	Water	8260C	
460-201482-1	TB-01_20200123	Total/NA	Water	8260C	
MB 460-670776/9	Method Blank	Total/NA	Water	8260C	
LCS 460-670776/4	Lab Control Sample	Total/NA	Water	8260C	
460-201494-A-4 MS	Matrix Spike	Total/NA	Water	8260C	
460-201494-A-4 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

Analysis Batch: 671329

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	8260C	670722
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	8260C	670722
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	8260C	670722
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	8260C	670722
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	8260C	670722
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	8260C	670722
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	8260C	670722
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	8260C	670722
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	8260C	670722
MB 460-671329/9	Method Blank	Total/NA	Solid	8260C	
LCS 460-671329/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-671329/6	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 671360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LB3 460-670722/1-A	Method Blank	Total/NA	Solid	8260C	670722
MB 460-671360/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-671360/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-671360/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS VOA

Analysis Batch: 671374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-12	TB-01_20200124	Total/NA	Water	8260C	
MB 460-671374/9	Method Blank	Total/NA	Water	8260C	
LCS 460-671374/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-671374/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 671379

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	8260C	670721
MB 460-671379/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-671379/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-671379/18	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 671746

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	8260C	669900
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	8260C	669900
MB 460-671746/10	Method Blank	Total/NA	Solid	8260C	
LCS 460-671746/5	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-671746/7	Lab Control Sample Dup	Total/NA	Solid	8260C	

Analysis Batch: 671748

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	8260C	670142
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	8260C	670722
MB 460-671748/8	Method Blank	Total/NA	Solid	8260C	
LCS 460-671748/4	Lab Control Sample	Total/NA	Solid	8260C	
LCSD 460-671748/5	Lab Control Sample Dup	Total/NA	Solid	8260C	

GC/MS Semi VOA

Prep Batch: 670664

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	3546	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	3546	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	3546	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	3546	
MB 460-670664/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670664/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-670664/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670664/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201477-E-1-C MS	Matrix Spike	Total/NA	Solid	3546	
460-201477-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 670666

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	3546	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	3546	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	3546	
MB 460-670666/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670666/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-670666/4-A	Lab Control Sample	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 670666 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-670666/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201481-A-3-A MS	Matrix Spike	Total/NA	Solid	3546	
460-201481-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 670671

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	3546	
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	3546	
MB 460-670671/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670671/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-670671/4-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670671/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201342-E-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-201342-E-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 670747

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	8270D	670664
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	8270D	670664
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	8270D	670664
MB 460-670664/1-A	Method Blank	Total/NA	Solid	8270D	670664
LCS 460-670664/2-A	Lab Control Sample	Total/NA	Solid	8270D	670664
LCS 460-670664/4-A	Lab Control Sample	Total/NA	Solid	8270D	670664
LCSD 460-670664/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	670664
460-201477-E-1-C MS	Matrix Spike	Total/NA	Solid	8270D	670664
460-201477-E-1-D MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	670664

Analysis Batch: 670753

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	8270D	670671
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	8270D	670671
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	8270D	670671
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	8270D	670671
MB 460-670671/1-A	Method Blank	Total/NA	Solid	8270D	670671
LCS 460-670671/2-A	Lab Control Sample	Total/NA	Solid	8270D	670671
LCS 460-670671/4-A	Lab Control Sample	Total/NA	Solid	8270D	670671
LCSD 460-670671/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	670671
460-201342-E-1-D MS	Matrix Spike	Total/NA	Solid	8270D	670671
460-201342-E-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	670671

Analysis Batch: 670756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	8270D	670666
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	8270D	670666
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	8270D	670666
MB 460-670666/1-A	Method Blank	Total/NA	Solid	8270D	670666
LCS 460-670666/2-A	Lab Control Sample	Total/NA	Solid	8270D	670666
LCS 460-670666/4-A	Lab Control Sample	Total/NA	Solid	8270D	670666
LCSD 460-670666/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	670666

GC/MS Semi VOA (Continued)

Analysis Batch: 670756 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201481-A-3-A MS	Matrix Spike	Total/NA	Solid	8270D	670666
460-201481-A-3-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8270D	670666

Analysis Batch: 670891

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	8270D	670664

Prep Batch: 671123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	3546	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	3546	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	3546	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	3546	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	3546	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	3546	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	3546	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	3546	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	3546	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	3546	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	3546	
MB 460-671123/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-671123/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCS 460-671123/4-A	Lab Control Sample	Total/NA	Solid	3546	
460-201587-2 MS	SB-03_2-4_20200124	Total/NA	Solid	3546	
460-201587-2 MSD	SB-03_2-4_20200124	Total/NA	Solid	3546	

Analysis Batch: 671202

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	8270D	671123
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	8270D	671123
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	8270D	671123
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	8270D	671123
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	8270D	671123
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	8270D	671123
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	8270D	671123
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	8270D	671123
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	8270D	671123
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	8270D	671123
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	8270D	671123
MB 460-671123/1-A	Method Blank	Total/NA	Solid	8270D	671123
LCS 460-671123/2-A	Lab Control Sample	Total/NA	Solid	8270D	671123
LCS 460-671123/4-A	Lab Control Sample	Total/NA	Solid	8270D	671123
460-201587-2 MS	SB-03_2-4_20200124	Total/NA	Solid	8270D	671123
460-201587-2 MSD	SB-03_2-4_20200124	Total/NA	Solid	8270D	671123

GC Semi VOA

Prep Batch: 670026

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 670026 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	3546	
MB 460-670026/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670026/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670026/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201022-H-19-A MS	Matrix Spike	Total/NA	Solid	3546	
460-201022-H-19-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 670032

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	3546	
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	3546	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	3546	
MB 460-670032/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670032/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670032/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201022-H-19-D MS	Matrix Spike	Total/NA	Solid	3546	
460-201022-H-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 670070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	8081B	670032
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	8081B	670032
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	8081B	670032
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	8081B	670032
MB 460-670032/1-A	Method Blank	Total/NA	Solid	8081B	670032
LCS 460-670032/2-A	Lab Control Sample	Total/NA	Solid	8081B	670032
LCSD 460-670032/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	670032
460-201022-H-19-D MS	Matrix Spike	Total/NA	Solid	8081B	670032
460-201022-H-19-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	670032

Prep Batch: 670141

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	3546	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	3546	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	3546	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	3546	
MB 460-670141/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670141/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670141/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201312-B-3-B MS	Matrix Spike	Total/NA	Solid	3546	
460-201312-B-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Prep Batch: 670150

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	3546	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	3546	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	3546	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	3546	
MB 460-670150/1-A	Method Blank	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 670150 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 460-670150/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670150/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201312-B-3-E MS	Matrix Spike	Total/NA	Solid	3546	
460-201312-B-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 670234

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	8082A	670026
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	8082A	670026
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	8082A	670026
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	8082A	670026
MB 460-670026/1-A	Method Blank	Total/NA	Solid	8082A	670026
LCS 460-670026/2-A	Lab Control Sample	Total/NA	Solid	8082A	670026
LCSD 460-670026/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	670026
460-201022-H-19-A MS	Matrix Spike	Total/NA	Solid	8082A	670026
460-201022-H-19-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	670026

Analysis Batch: 670384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	8081B	670150
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	8081B	670150
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	8081B	670150
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	8081B	670150
MB 460-670150/1-A	Method Blank	Total/NA	Solid	8081B	670150
LCS 460-670150/2-A	Lab Control Sample	Total/NA	Solid	8081B	670150
LCSD 460-670150/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	670150
460-201312-B-3-E MS	Matrix Spike	Total/NA	Solid	8081B	670150
460-201312-B-3-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	670150

Analysis Batch: 670521

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	8082A	670141
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	8082A	670141
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	8082A	670141
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	8082A	670141
MB 460-670141/1-A	Method Blank	Total/NA	Solid	8082A	670141
LCS 460-670141/2-A	Lab Control Sample	Total/NA	Solid	8082A	670141
LCSD 460-670141/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	670141
460-201312-B-3-B MS	Matrix Spike	Total/NA	Solid	8082A	670141
460-201312-B-3-C MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	670141

Prep Batch: 670586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	3546	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	3546	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	3546	
MB 460-670586/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670586/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670586/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-200792-E-2-A MS	Matrix Spike	Total/NA	Solid	3546	
460-200792-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

QC Association Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

GC Semi VOA

Prep Batch: 670587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	3546	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	3546	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	3546	
MB 460-670587/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-670587/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-670587/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-200792-E-2-D MS	Matrix Spike	Total/NA	Solid	3546	
460-200792-E-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 670946

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	8081B	670586
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	8081B	670586
MB 460-670586/1-A	Method Blank	Total/NA	Solid	8081B	670586
LCS 460-670586/2-A	Lab Control Sample	Total/NA	Solid	8081B	670586
LCSD 460-670586/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	670586
460-200792-E-2-A MS	Matrix Spike	Total/NA	Solid	8081B	670586
460-200792-E-2-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	670586

Analysis Batch: 670948

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	8082A	670587
MB 460-670587/1-A	Method Blank	Total/NA	Solid	8082A	670587
LCS 460-670587/2-A	Lab Control Sample	Total/NA	Solid	8082A	670587
LCSD 460-670587/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	670587

Analysis Batch: 671068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	8082A	670587
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	8082A	670587
460-200792-E-2-D MS	Matrix Spike	Total/NA	Solid	8082A	670587
460-200792-E-2-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	670587

Prep Batch: 671131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	3546	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	3546	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	3546	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	3546	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	3546	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	3546	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	3546	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	3546	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	3546	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	3546	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	3546	
MB 460-671131/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-671131/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-671131/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201343-H-1-A MS	Matrix Spike	Total/NA	Solid	3546	
460-201343-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

GC Semi VOA

Prep Batch: 671138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	3546	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	3546	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	3546	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	3546	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	3546	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	3546	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	3546	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	3546	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	3546	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	3546	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	3546	
MB 460-671138/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-671138/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-671138/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-201343-H-1-D MS	Matrix Spike	Total/NA	Solid	3546	
460-201343-H-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 671157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	8081B	671131
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	8081B	671131
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	8081B	671131
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	8081B	671131
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	8081B	671131
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	8081B	671131
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	8081B	671131
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	8081B	671131
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	8081B	671131
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	8081B	671131
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	8081B	671131
MB 460-671131/1-A	Method Blank	Total/NA	Solid	8081B	671131
LCS 460-671131/2-A	Lab Control Sample	Total/NA	Solid	8081B	671131
LCSD 460-671131/3-A	Lab Control Sample Dup	Total/NA	Solid	8081B	671131
460-201343-H-1-A MS	Matrix Spike	Total/NA	Solid	8081B	671131
460-201343-H-1-B MSD	Matrix Spike Duplicate	Total/NA	Solid	8081B	671131

Analysis Batch: 671237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	8082A	671138
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	8082A	671138
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	8082A	671138
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	8082A	671138
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	8082A	671138
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	8082A	671138
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	8082A	671138
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	8082A	671138
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	8082A	671138
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	8082A	671138
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	8082A	671138
MB 460-671138/1-A	Method Blank	Total/NA	Solid	8082A	671138
LCS 460-671138/2-A	Lab Control Sample	Total/NA	Solid	8082A	671138

GC Semi VOA (Continued)

Analysis Batch: 671237 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSD 460-671138/3-A	Lab Control Sample Dup	Total/NA	Solid	8082A	671138
460-201343-H-1-D MS	Matrix Spike	Total/NA	Solid	8082A	671138
460-201343-H-1-E MSD	Matrix Spike Duplicate	Total/NA	Solid	8082A	671138

Analysis Batch: 671418

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	8081B	670586

Metals

Prep Batch: 671688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	3050B	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	3050B	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	3050B	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	3050B	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	3050B	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	3050B	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	3050B	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	3050B	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	3050B	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	3050B	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	3050B	
MB 460-671688/1-A ^10	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-671688/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
460-201587-4 MS	SB-07_18-20_20200124	Total/NA	Solid	3050B	
460-201587-4 DU	SB-07_18-20_20200124	Total/NA	Solid	3050B	

Prep Batch: 671690

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	3050B	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	3050B	
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	3050B	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	3050B	
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	3050B	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	3050B	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	3050B	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	3050B	
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	3050B	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	3050B	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	3050B	
MB 460-671690/1-A ^10	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-671690/2-A ^2	Lab Control Sample	Total/NA	Solid	3050B	
460-201482-2 MS	SB-01_0.5-2.5_20200123	Total/NA	Solid	3050B	
460-201482-2 DU	SB-01_0.5-2.5_20200123	Total/NA	Solid	3050B	

Prep Batch: 671703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	7471B	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	7471B	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	7471B	

Metals (Continued)

Prep Batch: 671703 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	7471B	
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	7471B	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	7471B	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	7471B	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	7471B	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	7471B	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	7471B	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	7471B	
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	7471B	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	7471B	
MB 460-671703/10-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-671703/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	
460-201776-D-1-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-201776-D-1-G DU	Duplicate	Total/NA	Solid	7471B	

Prep Batch: 671704

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	7471B	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	7471B	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	7471B	
MB 460-671704/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-671704/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-201587-10 MS	SB-11_19-21_20200124	Total/NA	Solid	7471B	
460-201587-10 DU	SB-11_19-21_20200124	Total/NA	Solid	7471B	

Prep Batch: 671706

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	7471B	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	7471B	
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	7471B	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	7471B	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	7471B	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	7471B	
MB 460-671706/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-671706/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	
460-201482-3 MS	SB-01_16-18_20200123	Total/NA	Solid	7471B	
460-201482-3 DU	SB-01_16-18_20200123	Total/NA	Solid	7471B	

Analysis Batch: 671816

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	7471B	671706
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	7471B	671706
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	7471B	671706
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	7471B	671706
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	7471B	671703
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	7471B	671703
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	7471B	671703
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	7471B	671703
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	7471B	671704
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	7471B	671706
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	7471B	671706

Metals (Continued)

Analysis Batch: 671816 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	7471B	671703
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	7471B	671703
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	7471B	671703
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	7471B	671703
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	7471B	671703
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	7471B	671703
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	7471B	671703
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	7471B	671703
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	7471B	671703
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	7471B	671704
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	7471B	671704
MB 460-671703/10-A	Method Blank	Total/NA	Solid	7471B	671703
MB 460-671704/1-A	Method Blank	Total/NA	Solid	7471B	671704
MB 460-671706/1-A	Method Blank	Total/NA	Solid	7471B	671706
LCSSRM 460-671703/11-A ^	Lab Control Sample	Total/NA	Solid	7471B	671703
LCSSRM 460-671704/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	671704
LCSSRM 460-671706/2-A ^4	Lab Control Sample	Total/NA	Solid	7471B	671706
460-201482-3 MS	SB-01_16-18_20200123	Total/NA	Solid	7471B	671706
460-201587-10 MS	SB-11_19-21_20200124	Total/NA	Solid	7471B	671704
460-201776-D-1-H MS	Matrix Spike	Total/NA	Solid	7471B	671703
460-201482-3 DU	SB-01_16-18_20200123	Total/NA	Solid	7471B	671706
460-201587-10 DU	SB-11_19-21_20200124	Total/NA	Solid	7471B	671704
460-201776-D-1-G DU	Duplicate	Total/NA	Solid	7471B	671703

Analysis Batch: 671830

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	6020B	671690
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	6020B	671690
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	6020B	671690
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	6020B	671690
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	6020B	671690
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	6020B	671690
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	6020B	671690
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	6020B	671690
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	6020B	671690
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	6020B	671690
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	6020B	671690
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	6020B	671688
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	6020B	671688
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	6020B	671688
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	6020B	671688
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	6020B	671688
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	6020B	671688
MB 460-671688/1-A ^10	Method Blank	Total/NA	Solid	6020B	671688
MB 460-671690/1-A ^10	Method Blank	Total/NA	Solid	6020B	671690
LCSSRM 460-671688/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	671688

Metals (Continued)

Analysis Batch: 671830 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCSSRM 460-671690/2-A ^2	Lab Control Sample	Total/NA	Solid	6020B	671690
460-201482-2 MS	SB-01_0.5-2.5_20200123	Total/NA	Solid	6020B	671690
460-201587-4 MS	SB-07_18-20_20200124	Total/NA	Solid	6020B	671688
460-201482-2 DU	SB-01_0.5-2.5_20200123	Total/NA	Solid	6020B	671690
460-201587-4 DU	SB-07_18-20_20200124	Total/NA	Solid	6020B	671688

Analysis Batch: 672143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	6020B	671688
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	6020B	671688
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	6020B	671688
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	6020B	671688
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	6020B	671688

General Chemistry

Analysis Batch: 671381

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-2	SB-06_0.5-2.5_20200121	Total/NA	Solid	Moisture	
460-201296-3	SB-06_2.5-3.5_20200121	Total/NA	Solid	Moisture	
460-201296-5	SB-02_0.5-1.5_20200121	Total/NA	Solid	Moisture	
460-201296-5 DU	SB-02_0.5-1.5_20200121	Total/NA	Solid	Moisture	

Analysis Batch: 671384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201296-4	SB-05_0.5-2.5_20200121	Total/NA	Solid	Moisture	
460-201362-1	SB-08_0-2_20200122	Total/NA	Solid	Moisture	
460-201362-2	SB-08_19-21_20200122	Total/NA	Solid	Moisture	
460-201362-3	SB-04_0-2_20200122	Total/NA	Solid	Moisture	
460-201362-4	SB-04_15-17_20200122	Total/NA	Solid	Moisture	
460-201482-3	SB-01_16-18_20200123	Total/NA	Solid	Moisture	
460-201482-4	SB-12_0-2_20200123	Total/NA	Solid	Moisture	
460-201482-3 DU	SB-01_16-18_20200123	Total/NA	Solid	Moisture	

Analysis Batch: 671389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201482-2	SB-01_0.5-2.5_20200123	Total/NA	Solid	Moisture	
460-201537-F-2 DU	Duplicate	Total/NA	Solid	Moisture	

Analysis Batch: 671410

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-1	SB-03_0-2_20200124	Total/NA	Solid	Moisture	
460-201587-2	SB-03_2-4_20200124	Total/NA	Solid	Moisture	
460-201587-3	SB-07_0-2_20200124	Total/NA	Solid	Moisture	
460-201587-4	SB-07_18-20_20200124	Total/NA	Solid	Moisture	
460-201587-5	SB-09_0-2_20200124	Total/NA	Solid	Moisture	
460-201587-6	SB-09_20-22_20200124	Total/NA	Solid	Moisture	
460-201587-7	SB-10_0-2_20200124	Total/NA	Solid	Moisture	

General Chemistry (Continued)

Analysis Batch: 671410 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201587-8	SB-10_19-21_20200124	Total/NA	Solid	Moisture	
460-201587-9	SB-11_0-2_20200124	Total/NA	Solid	Moisture	
460-201587-10	SB-11_19-21_20200124	Total/NA	Solid	Moisture	
460-201587-11	SB-12_18-20_20200124	Total/NA	Solid	Moisture	
460-201556-I-7 DU	Duplicate	Total/NA	Solid	Moisture	

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: TB-01_20200120
Lab Sample ID: 460-201296-1
Date Collected: 01/20/20 03:40
Matrix: Water
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670776	01/26/20 10:44	SZD	TAL EDI

Client Sample ID: SB-06_0.5-2.5_20200121
Lab Sample ID: 460-201296-2
Date Collected: 01/21/20 00:45
Matrix: Solid
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671381	01/28/20 20:03	IXD	TAL EDI

Client Sample ID: SB-06_0.5-2.5_20200121
Lab Sample ID: 460-201296-2
Date Collected: 01/21/20 00:45
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.0

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			669900	01/22/20 11:19	DBM	TAL EDI
Total/NA	Analysis	8260C		1	671746	01/30/20 16:14	EMM	TAL EDI
Total/NA	Prep	3546			670671	01/25/20 12:43	GRB	TAL EDI
Total/NA	Analysis	8270D		1	670753	01/26/20 03:09	YAH	TAL EDI
Total/NA	Prep	3546			670032	01/22/20 20:30	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670070	01/23/20 15:13	FAM	TAL EDI
Total/NA	Prep	3546			670026	01/22/20 20:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	670234	01/23/20 21:48	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:45	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:24	TJS	TAL EDI

Client Sample ID: SB-06_2.5-3.5_20200121
Lab Sample ID: 460-201296-3
Date Collected: 01/21/20 01:40
Matrix: Solid
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671381	01/28/20 20:03	IXD	TAL EDI

Client Sample ID: SB-06_2.5-3.5_20200121
Lab Sample ID: 460-201296-3
Date Collected: 01/21/20 01:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			669900	01/22/20 11:20	DBM	TAL EDI
Total/NA	Analysis	8260C		1	671746	01/30/20 16:38	EMM	TAL EDI
Total/NA	Prep	3546			670671	01/25/20 12:43	GRB	TAL EDI
Total/NA	Analysis	8270D		1	670753	01/26/20 03:26	YAH	TAL EDI
Total/NA	Prep	3546			670032	01/22/20 20:30	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670070	01/23/20 10:51	FAM	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-06_2.5-3.5_20200121
Lab Sample ID: 460-201296-3
Date Collected: 01/21/20 01:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			670026	01/22/20 20:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	670234	01/23/20 21:30	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:47	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:26	TJS	TAL EDI

Client Sample ID: SB-05_0.5-2.5_20200121
Lab Sample ID: 460-201296-4
Date Collected: 01/21/20 02:20
Matrix: Solid
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-05_0.5-2.5_20200121
Lab Sample ID: 460-201296-4
Date Collected: 01/21/20 02:20
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 92.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			669900	01/22/20 11:21	DBM	TAL EDI
Total/NA	Analysis	8260C		1	670701	01/25/20 20:26	AAT	TAL EDI
Total/NA	Prep	3546			670671	01/25/20 12:43	GRB	TAL EDI
Total/NA	Analysis	8270D		1	670753	01/26/20 03:43	YAH	TAL EDI
Total/NA	Prep	3546			670032	01/22/20 20:30	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670070	01/23/20 11:06	FAM	TAL EDI
Total/NA	Prep	3546			670026	01/22/20 20:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	670234	01/23/20 21:13	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:50	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:31	TJS	TAL EDI

Client Sample ID: SB-02_0.5-1.5_20200121
Lab Sample ID: 460-201296-5
Date Collected: 01/21/20 03:40
Matrix: Solid
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671381	01/28/20 20:03	IXD	TAL EDI

Client Sample ID: SB-02_0.5-1.5_20200121
Lab Sample ID: 460-201296-5
Date Collected: 01/21/20 03:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			669900	01/22/20 11:22	DBM	TAL EDI
Total/NA	Analysis	8260C		1	670701	01/25/20 20:51	AAT	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-02_0.5-1.5_20200121
Lab Sample ID: 460-201296-5
Date Collected: 01/21/20 03:40
Matrix: Solid
Date Received: 01/21/20 18:30
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			670671	01/25/20 12:43	GRB	TAL EDI
Total/NA	Analysis	8270D		1	670753	01/26/20 04:00	YAH	TAL EDI
Total/NA	Prep	3546			670032	01/22/20 20:30	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670070	01/23/20 11:20	FAM	TAL EDI
Total/NA	Prep	3546			670026	01/22/20 20:19	ARA	TAL EDI
Total/NA	Analysis	8082A		1	670234	01/23/20 20:56	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:52	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:32	TJS	TAL EDI

Client Sample ID: SB-08_0-2_20200122
Lab Sample ID: 460-201362-1
Date Collected: 01/22/20 08:00
Matrix: Solid
Date Received: 01/22/20 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-08_0-2_20200122
Lab Sample ID: 460-201362-1
Date Collected: 01/22/20 08:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670142	01/23/20 09:00	DBM	TAL EDI
Total/NA	Analysis	8260C		1	670762	01/26/20 15:33	KLB	TAL EDI
Total/NA	Prep	3546			670664	01/25/20 11:16	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670891	01/27/20 08:57	YAH	TAL EDI
Total/NA	Prep	3546			670150	01/23/20 09:03	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	670384	01/24/20 15:11	CDC	TAL EDI
Total/NA	Prep	3546			670141	01/23/20 08:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	670521	01/25/20 02:40	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:55	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:38	TJS	TAL EDI

Client Sample ID: SB-08_19-21_20200122
Lab Sample ID: 460-201362-2
Date Collected: 01/22/20 09:00
Matrix: Solid
Date Received: 01/22/20 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-08_19-21_20200122
Date Collected: 01/22/20 09:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-2
Matrix: Solid
Percent Solids: 89.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670142	01/23/20 09:01	DBM	TAL EDI
Total/NA	Analysis	8260C		1	670762	01/26/20 15:57	KLB	TAL EDI
Total/NA	Prep	3546			670664	01/25/20 11:16	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670747	01/26/20 05:25	YAH	TAL EDI
Total/NA	Prep	3546			670150	01/23/20 09:03	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	670384	01/24/20 15:24	CDC	TAL EDI
Total/NA	Prep	3546			670141	01/23/20 08:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	670521	01/25/20 03:01	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:57	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:40	TJS	TAL EDI

Client Sample ID: SB-04_0-2_20200122
Date Collected: 01/22/20 11:45
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-04_0-2_20200122
Date Collected: 01/22/20 11:45
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-3
Matrix: Solid
Percent Solids: 84.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670142	01/23/20 09:02	DBM	TAL EDI
Total/NA	Analysis	8260C		1	671748	01/30/20 18:42	EMM	TAL EDI
Total/NA	Prep	3546			670664	01/25/20 11:16	OXG	TAL EDI
Total/NA	Analysis	8270D		10	670747	01/26/20 10:48	YAH	TAL EDI
Total/NA	Prep	3546			670150	01/23/20 09:03	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	670384	01/24/20 15:36	CDC	TAL EDI
Total/NA	Prep	3546			670141	01/23/20 08:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	670521	01/25/20 03:21	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:59	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:41	TJS	TAL EDI

Client Sample ID: SB-04_15-17_20200122
Date Collected: 01/22/20 13:00
Date Received: 01/22/20 19:00

Lab Sample ID: 460-201362-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-04_15-17_20200122
Lab Sample ID: 460-201362-4
Date Collected: 01/22/20 13:00
Matrix: Solid
Date Received: 01/22/20 19:00
Percent Solids: 93.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670142	01/23/20 09:03	DBM	TAL EDI
Total/NA	Analysis	8260C		1	670762	01/26/20 16:22	KLB	TAL EDI
Total/NA	Prep	3546			670664	01/25/20 11:16	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670747	01/26/20 06:10	YAH	TAL EDI
Total/NA	Prep	3546			670150	01/23/20 09:03	ZXB	TAL EDI
Total/NA	Analysis	8081B		1	670384	01/24/20 15:48	CDC	TAL EDI
Total/NA	Prep	3546			670141	01/23/20 08:50	ZXB	TAL EDI
Total/NA	Analysis	8082A		1	670521	01/25/20 03:42	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 15:02	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:43	TJS	TAL EDI

Client Sample ID: TB-01_20200122
Lab Sample ID: 460-201362-5
Date Collected: 01/22/20 06:40
Matrix: Water
Date Received: 01/22/20 19:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670776	01/26/20 11:09	SZD	TAL EDI

Client Sample ID: TB-01_20200123
Lab Sample ID: 460-201482-1
Date Collected: 01/23/20 06:30
Matrix: Water
Date Received: 01/23/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670776	01/26/20 12:00	SZD	TAL EDI

Client Sample ID: SB-01_0.5-2.5_20200123
Lab Sample ID: 460-201482-2
Date Collected: 01/23/20 09:05
Matrix: Solid
Date Received: 01/23/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671389	01/28/20 20:49	IXD	TAL EDI

Client Sample ID: SB-01_0.5-2.5_20200123
Lab Sample ID: 460-201482-2
Date Collected: 01/23/20 09:05
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670602	01/25/20 00:34	AVM	TAL EDI
Total/NA	Analysis	8260C		1	670762	01/26/20 14:19	KLB	TAL EDI
Total/NA	Prep	3546			670666	01/25/20 11:22	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670756	01/26/20 05:54	YAH	TAL EDI
Total/NA	Prep	3546			670586	01/24/20 19:45	ARA	TAL EDI
Total/NA	Analysis	8081B		2	671418	01/29/20 11:26	FAM	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-01_0.5-2.5_20200123
Lab Sample ID: 460-201482-2
Date Collected: 01/23/20 09:05
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 85.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			670587	01/24/20 19:52	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671068	01/28/20 04:19	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 14:28	MDC	TAL EDI
Total/NA	Prep	7471B			671704	01/30/20 04:26	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 09:44	TJS	TAL EDI

Client Sample ID: SB-01_16-18_20200123
Lab Sample ID: 460-201482-3
Date Collected: 01/23/20 10:00
Matrix: Solid
Date Received: 01/23/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-01_16-18_20200123
Lab Sample ID: 460-201482-3
Date Collected: 01/23/20 10:00
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 96.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670602	01/25/20 00:34	AVM	TAL EDI
Total/NA	Analysis	8260C		1	670701	01/26/20 00:58	AAT	TAL EDI
Total/NA	Prep	3546			670666	01/25/20 11:22	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670756	01/26/20 04:21	YAH	TAL EDI
Total/NA	Prep	3546			670586	01/24/20 19:45	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670946	01/27/20 18:11	CDC	TAL EDI
Total/NA	Prep	3546			670587	01/24/20 19:52	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671068	01/28/20 04:36	JHP	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 15:07	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:13	TJS	TAL EDI

Client Sample ID: SB-12_0-2_20200123
Lab Sample ID: 460-201482-4
Date Collected: 01/23/20 14:40
Matrix: Solid
Date Received: 01/23/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671384	01/28/20 20:24	IXD	TAL EDI

Client Sample ID: SB-12_0-2_20200123
Lab Sample ID: 460-201482-4
Date Collected: 01/23/20 14:40
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670602	01/25/20 00:35	AVM	TAL EDI
Total/NA	Analysis	8260C		1	670701	01/26/20 01:23	AAT	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-12_0-2_20200123
Lab Sample ID: 460-201482-4
Date Collected: 01/23/20 14:40
Matrix: Solid
Date Received: 01/23/20 18:30
Percent Solids: 87.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			670666	01/25/20 11:22	OXG	TAL EDI
Total/NA	Analysis	8270D		1	670756	01/26/20 04:44	YAH	TAL EDI
Total/NA	Prep	3546			670586	01/24/20 19:45	ARA	TAL EDI
Total/NA	Analysis	8081B		1	670946	01/27/20 18:23	CDC	TAL EDI
Total/NA	Prep	3546			670587	01/24/20 19:52	ARA	TAL EDI
Total/NA	Analysis	8082A		1	670948	01/27/20 09:56	CDC	TAL EDI
Total/NA	Prep	3050B			671690	01/30/20 03:06	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 15:14	MDC	TAL EDI
Total/NA	Prep	7471B			671706	01/30/20 04:46	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 10:20	TJS	TAL EDI

Client Sample ID: SB-03_0-2_20200124
Lab Sample ID: 460-201587-1
Date Collected: 01/24/20 11:40
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-03_0-2_20200124
Lab Sample ID: 460-201587-1
Date Collected: 01/24/20 11:40
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:22	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 01:29	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 10:51	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 13:37	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 14:43	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:23	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		5	671816	01/30/20 11:47	TJS	TAL EDI

Client Sample ID: SB-03_2-4_20200124
Lab Sample ID: 460-201587-2
Date Collected: 01/24/20 12:00
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-03_2-4_20200124

Lab Sample ID: 460-201587-2

Date Collected: 01/24/20 12:00
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670721	01/25/20 18:10	AVM	TAL EDI
Total/NA	Analysis	8260C		100	671379	01/29/20 06:14	KLB	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 09:41	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 13:53	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 15:00	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:33	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 11:52	TJS	TAL EDI

Client Sample ID: SB-07_0-2_20200124

Lab Sample ID: 460-201587-3

Date Collected: 01/24/20 10:39
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-07_0-2_20200124

Lab Sample ID: 460-201587-3

Date Collected: 01/24/20 10:39
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:23	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 01:53	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 11:14	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 14:08	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 15:17	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 12:58	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:40	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:21	TJS	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-07_18-20_20200124
Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-07_18-20_20200124
Date Collected: 01/24/20 10:44
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-4
Matrix: Solid
Percent Solids: 95.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:24	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 02:18	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 11:37	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 14:24	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 15:34	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 15:56	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:22	TJS	TAL EDI

Client Sample ID: SB-09_0-2_20200124
Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-09_0-2_20200124
Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5
Matrix: Solid
Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:24	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 02:42	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 12:00	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 14:39	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 15:51	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:01	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:42	MDC	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-09_0-2_20200124
Date Collected: 01/24/20 12:40
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-5
Matrix: Solid
Percent Solids: 96.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:28	TJS	TAL EDI

Client Sample ID: SB-09_20-22_20200124
Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-09_20-22_20200124
Date Collected: 01/24/20 12:45
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-6
Matrix: Solid
Percent Solids: 95.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:25	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 03:07	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 12:23	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 14:55	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 16:08	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:03	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:45	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:29	TJS	TAL EDI

Client Sample ID: SB-10_0-2_20200124
Date Collected: 01/24/20 14:15
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-10_0-2_20200124
Date Collected: 01/24/20 14:15
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-7
Matrix: Solid
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:26	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 03:32	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 12:47	SK	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: SB-10_0-2_20200124
Lab Sample ID: 460-201587-7
Date Collected: 01/24/20 14:15
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 81.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 15:11	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 16:25	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:11	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:47	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:31	TJS	TAL EDI

Client Sample ID: SB-10_19-21_20200124
Lab Sample ID: 460-201587-8
Date Collected: 01/24/20 14:20
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-10_19-21_20200124
Lab Sample ID: 460-201587-8
Date Collected: 01/24/20 14:20
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 96.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:26	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 03:57	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 13:09	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 15:27	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 16:42	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:18	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:50	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:33	TJS	TAL EDI

Client Sample ID: SB-11_0-2_20200124
Lab Sample ID: 460-201587-9
Date Collected: 01/24/20 11:50
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-11_0-2_20200124

Lab Sample ID: 460-201587-9

Date Collected: 01/24/20 11:50
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 90.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:27	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 04:21	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 13:33	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 15:42	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 16:59	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:21	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:52	MDC	TAL EDI
Total/NA	Prep	7471B			671703	01/30/20 04:02	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:34	TJS	TAL EDI

Client Sample ID: SB-11_19-21_20200124

Lab Sample ID: 460-201587-10

Date Collected: 01/24/20 11:55
Matrix: Solid
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-11_19-21_20200124

Lab Sample ID: 460-201587-10

Date Collected: 01/24/20 11:55
Matrix: Solid
Date Received: 01/24/20 19:30
Percent Solids: 89.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:28	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671329	01/29/20 04:46	VBP	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 13:56	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 15:58	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 17:16	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:23	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 16:55	MDC	TAL EDI
Total/NA	Prep	7471B			671704	01/30/20 04:26	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 08:59	TJS	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Client Sample ID: SB-12_18-20_20200124
Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Moisture		1	671410	01/29/20 01:54	APV	TAL EDI

Client Sample ID: SB-12_18-20_20200124
Date Collected: 01/24/20 07:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-11
Matrix: Solid
Percent Solids: 97.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			670722	01/25/20 18:29	AVM	TAL EDI
Total/NA	Analysis	8260C		1	671748	01/30/20 17:28	EMM	TAL EDI
Total/NA	Prep	3546			671123	01/27/20 19:37	GRB	TAL EDI
Total/NA	Analysis	8270D		1	671202	01/28/20 14:19	SK	TAL EDI
Total/NA	Prep	3546			671131	01/27/20 20:31	ARA	TAL EDI
Total/NA	Analysis	8081B		1	671157	01/28/20 16:34	FAM	TAL EDI
Total/NA	Prep	3546			671138	01/27/20 20:39	ARA	TAL EDI
Total/NA	Analysis	8082A		1	671237	01/28/20 17:49	JHP	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	672143	01/31/20 13:26	YZH	TAL EDI
Total/NA	Prep	3050B			671688	01/30/20 03:02	GMC	TAL EDI
Total/NA	Analysis	6020B		10	671830	01/30/20 17:02	MDC	TAL EDI
Total/NA	Prep	7471B			671704	01/30/20 04:26	TJS	TAL EDI
Total/NA	Analysis	7471B		1	671816	01/30/20 09:10	TJS	TAL EDI

Client Sample ID: TB-01_20200124
Date Collected: 01/24/20 06:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201587-12
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	671374	01/29/20 00:19	AVM	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-201296-1
Project/Site: 1100 Myrtle Ave, Brookyln

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
6020B	3050B	Solid	Aluminum
6020B	3050B	Solid	Antimony
6020B	3050B	Solid	Arsenic
6020B	3050B	Solid	Barium
6020B	3050B	Solid	Beryllium
6020B	3050B	Solid	Cadmium
6020B	3050B	Solid	Calcium
6020B	3050B	Solid	Chromium
6020B	3050B	Solid	Cobalt
6020B	3050B	Solid	Copper
6020B	3050B	Solid	Iron
6020B	3050B	Solid	Lead
6020B	3050B	Solid	Magnesium
6020B	3050B	Solid	Manganese
6020B	3050B	Solid	Nickel
6020B	3050B	Solid	Potassium
6020B	3050B	Solid	Selenium
6020B	3050B	Solid	Silver
6020B	3050B	Solid	Sodium
6020B	3050B	Solid	Thallium
6020B	3050B	Solid	Vanadium
6020B	3050B	Solid	Zinc
7471B	7471B	Solid	Mercury
8081B	3546	Solid	4,4'-DDD
8081B	3546	Solid	4,4'-DDE
8081B	3546	Solid	4,4'-DDT
8081B	3546	Solid	Aldrin
8081B	3546	Solid	alpha-BHC
8081B	3546	Solid	beta-BHC
8081B	3546	Solid	Chlordane (n.o.s.)
8081B	3546	Solid	cis-Chlordane
8081B	3546	Solid	delta-BHC
8081B	3546	Solid	Dieldrin
8081B	3546	Solid	Endosulfan I
8081B	3546	Solid	Endosulfan II
8081B	3546	Solid	Endosulfan sulfate
8081B	3546	Solid	Endrin
8081B	3546	Solid	Endrin aldehyde
8081B	3546	Solid	Endrin ketone
8081B	3546	Solid	gamma-BHC (Lindane)
8081B	3546	Solid	Heptachlor
8081B	3546	Solid	Heptachlor epoxide
8081B	3546	Solid	Methoxychlor
8081B	3546	Solid	Toxaphene
8081B	3546	Solid	trans-Chlordane

Laboratory: Eurofins TestAmerica, Edison (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8082A	3546	Solid	Aroclor 1016
8082A	3546	Solid	Aroclor 1221
8082A	3546	Solid	Aroclor 1232
8082A	3546	Solid	Aroclor 1242
8082A	3546	Solid	Aroclor 1248
8082A	3546	Solid	Aroclor 1254
8082A	3546	Solid	Aroclor 1260
8082A	3546	Solid	Aroclor 1268
8082A	3546	Solid	Aroclor-1262
8082A	3546	Solid	Polychlorinated biphenyls, Total
8260C	5035	Solid	1,1,1-Trichloroethane
8260C	5035	Solid	1,1,2,2-Tetrachloroethane
8260C	5035	Solid	1,1,2-Trichloro-1,2,2-trifluoroethane
8260C	5035	Solid	1,1,2-Trichloroethane
8260C	5035	Solid	1,1-Dichloroethane
8260C	5035	Solid	1,1-Dichloroethene
8260C	5035	Solid	1,2,3-Trichlorobenzene
8260C	5035	Solid	1,2,4-Trichlorobenzene
8260C	5035	Solid	1,2-Dibromo-3-Chloropropane
8260C	5035	Solid	1,2-Dichlorobenzene
8260C	5035	Solid	1,2-Dichloroethane
8260C	5035	Solid	1,2-Dichloropropane
8260C	5035	Solid	1,3-Dichlorobenzene
8260C	5035	Solid	1,4-Dichlorobenzene
8260C	5035	Solid	2-Butanone (MEK)
8260C	5035	Solid	2-Hexanone
8260C	5035	Solid	4-Methyl-2-pentanone (MIBK)
8260C	5035	Solid	Acetone
8260C	5035	Solid	Benzene
8260C	5035	Solid	Bromoform
8260C	5035	Solid	Bromomethane
8260C	5035	Solid	Carbon disulfide
8260C	5035	Solid	Carbon tetrachloride
8260C	5035	Solid	Chlorobenzene
8260C	5035	Solid	Chlorobromomethane
8260C	5035	Solid	Chlorodibromomethane
8260C	5035	Solid	Chloroethane
8260C	5035	Solid	Chloroform
8260C	5035	Solid	Chloromethane
8260C	5035	Solid	cis-1,2-Dichloroethene
8260C	5035	Solid	cis-1,3-Dichloropropene
8260C	5035	Solid	Cyclohexane
8260C	5035	Solid	Dichlorobromomethane
8260C	5035	Solid	Dichlorodifluoromethane
8260C	5035	Solid	Ethylbenzene
8260C	5035	Solid	Ethylene Dibromide
8260C	5035	Solid	Isopropylbenzene
8260C	5035	Solid	Methyl acetate
8260C	5035	Solid	Methyl tert-butyl ether

Laboratory: Eurofins TestAmerica, Edison (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8260C	5035	Solid	Methylcyclohexane
8260C	5035	Solid	Methylene Chloride
8260C	5035	Solid	m-Xylene & p-Xylene
8260C	5035	Solid	o-Xylene
8260C	5035	Solid	Styrene
8260C	5035	Solid	Tetrachloroethene
8260C	5035	Solid	Toluene
8260C	5035	Solid	trans-1,2-Dichloroethene
8260C	5035	Solid	trans-1,3-Dichloropropene
8260C	5035	Solid	Trichloroethene
8260C	5035	Solid	Trichlorofluoromethane
8260C	5035	Solid	Vinyl chloride
8270D	3546	Solid	1,1'-Biphenyl
8270D	3546	Solid	1,2,4,5-Tetrachlorobenzene
8270D	3546	Solid	1,4-Dioxane
8270D	3546	Solid	2,2'-oxybis[1-chloropropane]
8270D	3546	Solid	2,3,4,6-Tetrachlorophenol
8270D	3546	Solid	2,4,5-Trichlorophenol
8270D	3546	Solid	2,4,6-Trichlorophenol
8270D	3546	Solid	2,4-Dichlorophenol
8270D	3546	Solid	2,4-Dimethylphenol
8270D	3546	Solid	2,4-Dinitrophenol
8270D	3546	Solid	2,4-Dinitrotoluene
8270D	3546	Solid	2,6-Dinitrotoluene
8270D	3546	Solid	2-Chloronaphthalene
8270D	3546	Solid	2-Chlorophenol
8270D	3546	Solid	2-Methylnaphthalene
8270D	3546	Solid	2-Methylphenol
8270D	3546	Solid	2-Nitroaniline
8270D	3546	Solid	2-Nitrophenol
8270D	3546	Solid	3,3'-Dichlorobenzidine
8270D	3546	Solid	3-Nitroaniline
8270D	3546	Solid	4,6-Dinitro-2-methylphenol
8270D	3546	Solid	4-Bromophenyl phenyl ether
8270D	3546	Solid	4-Chloro-3-methylphenol
8270D	3546	Solid	4-Chloroaniline
8270D	3546	Solid	4-Chlorophenyl phenyl ether
8270D	3546	Solid	4-Methylphenol
8270D	3546	Solid	4-Nitroaniline
8270D	3546	Solid	4-Nitrophenol
8270D	3546	Solid	Acenaphthene
8270D	3546	Solid	Acenaphthylene
8270D	3546	Solid	Acetophenone
8270D	3546	Solid	Anthracene
8270D	3546	Solid	Atrazine
8270D	3546	Solid	Benzaldehyde
8270D	3546	Solid	Benzo[a]anthracene
8270D	3546	Solid	Benzo[a]pyrene
8270D	3546	Solid	Benzo[b]fluoranthene

Laboratory: Eurofins TestAmerica, Edison (Continued)

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

8270D	3546	Solid	Benzo[g,h,i]perylene
8270D	3546	Solid	Benzo[k]fluoranthene
8270D	3546	Solid	Bis(2-chloroethoxy)methane
8270D	3546	Solid	Bis(2-chloroethyl)ether
8270D	3546	Solid	Bis(2-ethylhexyl) phthalate
8270D	3546	Solid	Butyl benzyl phthalate
8270D	3546	Solid	Caprolactam
8270D	3546	Solid	Carbazole
8270D	3546	Solid	Chrysene
8270D	3546	Solid	Dibenz(a,h)anthracene
8270D	3546	Solid	Dibenzofuran
8270D	3546	Solid	Diethyl phthalate
8270D	3546	Solid	Dimethyl phthalate
8270D	3546	Solid	Di-n-butyl phthalate
8270D	3546	Solid	Di-n-octyl phthalate
8270D	3546	Solid	Fluoranthene
8270D	3546	Solid	Fluorene
8270D	3546	Solid	Hexachlorobenzene
8270D	3546	Solid	Hexachlorobutadiene
8270D	3546	Solid	Hexachlorocyclopentadiene
8270D	3546	Solid	Hexachloroethane
8270D	3546	Solid	Indeno[1,2,3-cd]pyrene
8270D	3546	Solid	Isophorone
8270D	3546	Solid	Naphthalene
8270D	3546	Solid	Nitrobenzene
8270D	3546	Solid	N-Nitrosodi-n-propylamine
8270D	3546	Solid	N-Nitrosodiphenylamine
8270D	3546	Solid	Pentachlorophenol
8270D	3546	Solid	Phenanthrene
8270D	3546	Solid	Phenol
8270D	3546	Solid	Pyrene
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7471B	Mercury (CVAA)	SW846	TAL EDI
Moisture	Percent Moisture	EPA	TAL EDI
3050B	Preparation, Metals	SW846	TAL EDI
3546	Microwave Extraction	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
5035	Closed System Purge and Trap	SW846	TAL EDI
7471B	Preparation, Mercury	SW846	TAL EDI

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201296-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-201296-1	TB-01_20200120	Water	01/20/20 03:40	01/21/20 18:30	
460-201296-2	SB-06_0.5-2.5_20200121	Solid	01/21/20 00:45	01/21/20 18:30	
460-201296-3	SB-06_2.5-3.5_20200121	Solid	01/21/20 01:40	01/21/20 18:30	
460-201296-4	SB-05_0.5-2.5_20200121	Solid	01/21/20 02:20	01/21/20 18:30	
460-201296-5	SB-02_0.5-1.5_20200121	Solid	01/21/20 03:40	01/21/20 18:30	
460-201362-1	SB-08_0-2_20200122	Solid	01/22/20 08:00	01/22/20 19:00	
460-201362-2	SB-08_19-21_20200122	Solid	01/22/20 09:00	01/22/20 19:00	
460-201362-3	SB-04_0-2_20200122	Solid	01/22/20 11:45	01/22/20 19:00	
460-201362-4	SB-04_15-17_20200122	Solid	01/22/20 13:00	01/22/20 19:00	
460-201362-5	TB-01_20200122	Water	01/22/20 06:40	01/22/20 19:00	
460-201482-1	TB-01_20200123	Water	01/23/20 06:30	01/23/20 18:30	
460-201482-2	SB-01_0.5-2.5_20200123	Solid	01/23/20 09:05	01/23/20 18:30	
460-201482-3	SB-01_16-18_20200123	Solid	01/23/20 10:00	01/23/20 18:30	
460-201482-4	SB-12_0-2_20200123	Solid	01/23/20 14:40	01/23/20 18:30	
460-201587-1	SB-03_0-2_20200124	Solid	01/24/20 11:40	01/24/20 19:30	
460-201587-2	SB-03_2-4_20200124	Solid	01/24/20 12:00	01/24/20 19:30	
460-201587-3	SB-07_0-2_20200124	Solid	01/24/20 10:39	01/24/20 19:30	
460-201587-4	SB-07_18-20_20200124	Solid	01/24/20 10:44	01/24/20 19:30	
460-201587-5	SB-09_0-2_20200124	Solid	01/24/20 12:40	01/24/20 19:30	
460-201587-6	SB-09_20-22_20200124	Solid	01/24/20 12:45	01/24/20 19:30	
460-201587-7	SB-10_0-2_20200124	Solid	01/24/20 14:15	01/24/20 19:30	
460-201587-8	SB-10_19-21_20200124	Solid	01/24/20 14:20	01/24/20 19:30	
460-201587-9	SB-11_0-2_20200124	Solid	01/24/20 11:50	01/24/20 19:30	
460-201587-10	SB-11_19-21_20200124	Solid	01/24/20 11:55	01/24/20 19:30	
460-201587-11	SB-12_18-20_20200124	Solid	01/24/20 07:30	01/24/20 19:30	
460-201587-12	TB-01_20200124	Water	01/24/20 06:30	01/24/20 19:30	

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

NYC 22

eurofins | Environment Testing TestAmerica

1/31/2020

Client Information	Sampler: Matthew Lew	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 6463888956	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: AKRF Inc				Job #: 201296
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
TB-01_20200120	1/20/20	2230	G	W			X						1
SB-06_0.5-2.5_20200121	1/21/20	0045	G	S			X	X	X	X			2
SB-06_2.5-3.5_20200121	1/21/20	0140	G	S			X	X	X	X			3
SB-05_0.5-2.5_20200121	1/21/20	0220	G	S			X	X	X	X			4
SB-02_0.5-1.5_20200121	1/21/20	0340	G	S			X	X	X	X			5

460-201296 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E

Special Instructions/QC Requirements: Keep SDG green

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	01/21/20	AKRF	Emmanuelle Ménos	1/21/20	AKRF
Relinquished by: Emmanuelle Ménos	Date/Time: 01/21/20 2:55pm	Company AKRF	Received by:	Date/Time: 1/21/20	Company
Relinquished by:	Date/Time: 1-21-20 1830	Company AKRF	Received by:	Date/Time: 1/21/20 1830	Company AKRF

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2-6 2-9 IR 10

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201296

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	26 ℃	29 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [signature] Date: 1/21/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

1/31/2020

Client Information	Sampler: Matthew Lowy	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 646 3881565	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: AKRF Inc				Job #: 201362
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SB-08_0-2_20200122	1/22/20	0800	G	S			X	X	X	X			1
SB-08_19-21_20200122	1/22/20	0900	G	S			X	X	X	X			2
SB-04_0-2_20200122	1/22/20	1145	G	S			X	X	X	X			3
SB-04_15-17_20200122	1/22/20	1300	G	S			X	X	X	X			4
TB-01_20200122	1/22/20	0640	G	S			X						5

460-201362 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 mon.
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E

Special Instructions/QC Requirements: keep SDG Open

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/22/20 15:55	AKRF	[signature]	1/22/20 15:55	
2	[signature]	1/22/20 18:00		[signature]	1/22/20 1900	
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

2.2 / 2.5 IR 4

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201362

Number of Coolers: 1 IR Gun # 14

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.2 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 1/22/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

NYC

Chain of Custody Record

eurofins | Environment Testing TestAmerica

1/31/2020

Client Information	Sampler: Matthew Levy	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 646 358 9565	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 1
Company: AKRF Inc				Job #: 201482
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

SHORT HOLD

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Solls-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
TB-01_20200123	1/23/20	0630	G	W			X						1
SB-01_0.5-2.5_20200123	1/23/20	0905	G	S			X	X	X	X			2
SB-01_16-18_20200123	1/23/20	1000	G	S			X	X	X	X			3
SB-12_0-2_20200123	1/23/20	1150	G	S			X	X	X	X			4
~~SB-12_~~ ML 1/23/20													5



Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E	Special Instructions/QC Requirements: Keep SDG open

Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:	
Relinquished by:	Date/Time: 1/23/20 1530	Company	Received by:	Date/Time: 1/23/20 1555	Company		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 1/23/20 1600	Company		
Relinquished by:	Date/Time: 1.23.20 1830	Company	Received by:	Date/Time: 1/24/20 1830	Company		
Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:		Cooler Temperature(s) °C and Other Remarks:				

Ver: 01/16/2019

2-6 2.9 IR 11

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201482

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.6 °C	2.9 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: [illegible] Date: 1 23 20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Matthew Levy	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 646 3889565	E-Mail: melissa.haas@testamericainc.com		Page: Page 1 of 2
Company: AKRF Inc				Job #: 201587
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

SHORT HOLD

460-201587 Chain of Custody

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
SB-03_0-2_20200124	1/24/20	1140	G	S			X	X	X	X			1
SB-03_2-4_20200124		1200	G	S			X	X	X	X			2
SB-07_0-2_20200124		1039	G	S			X	X	X	X			3
SB-07_18-20_20200124		1044	G	S			X	X	X	X			4
SB-09_0-2_20200124		1240	G	S			X	X	X	X			5
SB-09_20-22_20200124		1245	G	S			X	X	X	X			6
SB-10_0-2_20200124		1415	G	S			X	X	X	X			7
SB-10_14-21_20200124		1420	G	S			X	X	X	X			8
SB-11_0-2_20200124		1150	G	S			X	X	X	X			9
SB-11_19-21_20200124		1155	G	S			X	X	X	X			10
SB-12_18-20_20200124		0730	G	S			X	X	X	X			11

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E

Special Instructions/QC Requirements:

Empty Kit Relinquished by:		Date: ~~1/24~~ 1/24	Time:	Method of Shipment:			
Relinquished by:	Date/Time: 1/24/20	1630	Company: AKRF	Received by:	Date/Time: 1/24/20	1630	Company: FedEx
Relinquished by:	Date/Time: 1/24/20	1930	Company: FedEx	Received by:	Date/Time: 1/24/20	1930	Company: TAEdison
Relinquished by:	Date/Time:		Company:	Received by:	Date/Time:		Company:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2.4 / 2.7 #1

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Matthew Lay	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 646 388 9565	E-Mail: melissa.haas@testamericainc.com		Page: Page 2 of 2
Company: AKRF Inc				Job #: 20158T

Address: 440 Park Avenue South 7th Floor	Due Date Requested:	Analysis Requested
City: New York	TAT Requested (days): 5 days	
State, Zip: NY, 10016		
Phone:	PO #: 190458	
Email: kwiles@akrf.com	WO #:	
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561	
Site:	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
Preservation Code:					X	X						X	
TB-01-20200124	01/24	0630	G	W			X					2	

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/24/20 1630			1/24/20 1630	
2		1/24/20 1830			1/24/20 1930	
3						

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Page ____ of ____

Job Number: 201587

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.4 ℃	2.7 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 1/24/20

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201296-1

Login Number: 201296
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201296-1

Login Number: 201362
List Number: 1
Creator: Villanueva, Angelica P

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201296-1

Login Number: 201482
List Number: 1
Creator: DiGuardia, Joseph L

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201296-1

Login Number: 201587
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

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

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-201317-1
Client Project/Site: Stapleton Playground

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Authorized for release by:
1/28/2020 8:40:00 AM
Thomas Chupela, Project Management Assistant I
thomas.chupela@testamericainc.com

Designee for

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Thomas Chupela
Project Management Assistant I
1/28/2020 8:40:00 AM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 7
Client Sample Results 8
Surrogate Summary 12
QC Sample Results 13
QC Association Summary 19
Lab Chronicle 20
Certification Summary 21
Method Summary 22
Sample Summary 23
Chain of Custody 24
Receipt Checklists 26

Definitions/Glossary

Client: AKRF Inc
Job ID: 460-201317-1
Project/Site: Stapleton Playground

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
U	Analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-201317-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: Stapleton Playground

Report Number: 460-201317-1

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

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

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

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

RECEIPT

The samples were received on 1/21/2020 6:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

Receipt Exceptions

Limited sample volume was provided for the following samples for VOC analysis: MW-01_20200121 (460-201317-1), MW-02_20200121 (460-201317-2) and MW-04_20200121 (460-201317-4). One sample voa container arrived broken for each of the following samples 1, 2, & 4.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-01_20200121 (460-201317-1), MW-02_20200121 (460-201317-2), MW-03_20200121 (460-201317-3) and MW-04_20200121 (460-201317-4) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 01/25/2020 and 01/26/2020.

No difficulties were encountered during the volatiles analysis.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-01_20200121 (460-201317-1), MW-02_20200121 (460-201317-2), MW-03_20200121 (460-201317-3) and MW-04_20200121 (460-201317-4) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/23/2020 and analyzed on 01/23/2020 and 01/24/2020.

The continuing calibration verification (CCV) associated with batch 460-670302 recovered above the upper control limit for Dibenz(a,h)anthracene. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been

Job ID: 460-201317-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

reported.

The laboratory control sample (LCS) for preparation batch 460-670143 and analytical batch 460-670302 recovered outside control limits for the following analytes: Benzo[a]pyrene. The LCSD recovery was within limits; therefore, the data have been reported.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Job ID: 460-201317-1
Project/Site: Stapleton Playground

Client Sample ID: MW-01_20200121 — Lab Sample ID: 460-201317-1

No Detections.

Client Sample ID: MW-02_20200121 — Lab Sample ID: 460-201317-2

No Detections.

Client Sample ID: MW-03_20200121 — Lab Sample ID: 460-201317-3

No Detections.

Client Sample ID: MW-04_20200121 — Lab Sample ID: 460-201317-4

No Detections.

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: Stapleton Playground

Job ID: 460-201317-1

Client Sample ID: MW-01_20200121

Date Collected: 01/21/20 09:40
Date Received: 01/21/20 18:30

Lab Sample ID: 460-201317-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/25/20 05:50	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/25/20 05:50	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/25/20 05:50	1
Benzene	1.0	U	1.0	0.20	ug/L			01/25/20 05:50	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/25/20 05:50	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/25/20 05:50	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/25/20 05:50	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/25/20 05:50	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/25/20 05:50	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/25/20 05:50	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/25/20 05:50	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/25/20 05:50	1
Toluene	1.0	U	1.0	0.38	ug/L			01/25/20 05:50	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/25/20 05:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*97*		*74 - 132*		*01/25/20 05:50*	*1*
4-Bromofluorobenzene	*99*		*77 - 124*		*01/25/20 05:50*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*01/25/20 05:50*	*1*
Toluene-d8 (Surr)	*99*		*80 - 120*		*01/25/20 05:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:00	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/20 08:51	01/23/20 23:00	1
Anthracene	10	U	10	0.63	ug/L		01/23/20 08:51	01/23/20 23:00	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/20 08:51	01/23/20 23:00	1
Benzo[a]pyrene	1.0	U *	1.0	0.41	ug/L		01/23/20 08:51	01/23/20 23:00	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/20 08:51	01/23/20 23:00	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		01/23/20 08:51	01/23/20 23:00	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/20 08:51	01/23/20 23:00	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/20 08:51	01/23/20 23:00	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/20 08:51	01/23/20 23:00	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/20 08:51	01/23/20 23:00	1
Fluorene	10	U	10	0.91	ug/L		01/23/20 08:51	01/23/20 23:00	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/20 08:51	01/23/20 23:00	1
Naphthalene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:00	1
Phenanthrene	10	U	10	0.58	ug/L		01/23/20 08:51	01/23/20 23:00	1
Pyrene	10	U	10	1.6	ug/L		01/23/20 08:51	01/23/20 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*93*		*26 - 139*	*01/23/20 08:51*	*01/23/20 23:00*	*1*
2-Fluorobiphenyl	*85*		*45 - 107*	*01/23/20 08:51*	*01/23/20 23:00*	*1*
2-Fluorophenol (Surr)	*45*		*25 - 58*	*01/23/20 08:51*	*01/23/20 23:00*	*1*
Nitrobenzene-d5 (Surr)	*88*		*51 - 108*	*01/23/20 08:51*	*01/23/20 23:00*	*1*
Phenol-d5 (Surr)	*29*		*14 - 39*	*01/23/20 08:51*	*01/23/20 23:00*	*1*
Terphenyl-d14 (Surr)	*105*		*40 - 148*	*01/23/20 08:51*	*01/23/20 23:00*	*1*

Client Sample ID: MW-02_20200121
Lab Sample ID: 460-201317-2

Date Collected: 01/21/20 11:55
Matrix: Water

Date Received: 01/21/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/25/20 06:16	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/25/20 06:16	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/25/20 06:16	1
Benzene	1.0	U	1.0	0.20	ug/L			01/25/20 06:16	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/25/20 06:16	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/25/20 06:16	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/25/20 06:16	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/25/20 06:16	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/25/20 06:16	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/25/20 06:16	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/25/20 06:16	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/25/20 06:16	1
Toluene	1.0	U	1.0	0.38	ug/L			01/25/20 06:16	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/25/20 06:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*74 - 132*		*01/25/20 06:16*	*1*
4-Bromofluorobenzene	*104*		*77 - 124*		*01/25/20 06:16*	*1*
Dibromofluoromethane (Surr)	*108*		*72 - 131*		*01/25/20 06:16*	*1*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/25/20 06:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:21	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/20 08:51	01/23/20 23:21	1
Anthracene	10	U	10	0.63	ug/L		01/23/20 08:51	01/23/20 23:21	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/20 08:51	01/23/20 23:21	1
Benzo[a]pyrene	1.0	U *	1.0	0.41	ug/L		01/23/20 08:51	01/23/20 23:21	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/20 08:51	01/23/20 23:21	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		01/23/20 08:51	01/23/20 23:21	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/20 08:51	01/23/20 23:21	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/20 08:51	01/23/20 23:21	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/20 08:51	01/23/20 23:21	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/20 08:51	01/23/20 23:21	1
Fluorene	10	U	10	0.91	ug/L		01/23/20 08:51	01/23/20 23:21	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/20 08:51	01/23/20 23:21	1
Naphthalene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:21	1
Phenanthrene	10	U	10	0.58	ug/L		01/23/20 08:51	01/23/20 23:21	1
Pyrene	10	U	10	1.6	ug/L		01/23/20 08:51	01/23/20 23:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*26 - 139*	*01/23/20 08:51*	*01/23/20 23:21*	*1*
2-Fluorobiphenyl	*88*		*45 - 107*	*01/23/20 08:51*	*01/23/20 23:21*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 58*	*01/23/20 08:51*	*01/23/20 23:21*	*1*
Nitrobenzene-d5 (Surr)	*90*		*51 - 108*	*01/23/20 08:51*	*01/23/20 23:21*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*01/23/20 08:51*	*01/23/20 23:21*	*1*
Terphenyl-d14 (Surr)	*115*		*40 - 148*	*01/23/20 08:51*	*01/23/20 23:21*	*1*

Client Sample ID: MW-03_20200121
Lab Sample ID: 460-201317-3

Date Collected: 01/21/20 10:25
Matrix: Water
Date Received: 01/21/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 23:11	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/26/20 23:11	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/26/20 23:11	1
Benzene	1.0	U	1.0	0.20	ug/L			01/26/20 23:11	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/26/20 23:11	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 23:11	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/26/20 23:11	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/26/20 23:11	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 23:11	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 23:11	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 23:11	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 23:11	1
Toluene	1.0	U	1.0	0.38	ug/L			01/26/20 23:11	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/26/20 23:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*74 - 132*		*01/26/20 23:11*	*1*
4-Bromofluorobenzene	*105*		*77 - 124*		*01/26/20 23:11*	*1*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*01/26/20 23:11*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/26/20 23:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:42	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/20 08:51	01/23/20 23:42	1
Anthracene	10	U	10	0.63	ug/L		01/23/20 08:51	01/23/20 23:42	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/20 08:51	01/23/20 23:42	1
Benzo[a]pyrene	1.0	U *	1.0	0.41	ug/L		01/23/20 08:51	01/23/20 23:42	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/20 08:51	01/23/20 23:42	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		01/23/20 08:51	01/23/20 23:42	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/20 08:51	01/23/20 23:42	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/20 08:51	01/23/20 23:42	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/20 08:51	01/23/20 23:42	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/20 08:51	01/23/20 23:42	1
Fluorene	10	U	10	0.91	ug/L		01/23/20 08:51	01/23/20 23:42	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/20 08:51	01/23/20 23:42	1
Naphthalene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 23:42	1
Phenanthrene	10	U	10	0.58	ug/L		01/23/20 08:51	01/23/20 23:42	1
Pyrene	10	U	10	1.6	ug/L		01/23/20 08:51	01/23/20 23:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*26 - 139*	*01/23/20 08:51*	*01/23/20 23:42*	*1*
2-Fluorobiphenyl	*85*		*45 - 107*	*01/23/20 08:51*	*01/23/20 23:42*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 58*	*01/23/20 08:51*	*01/23/20 23:42*	*1*
Nitrobenzene-d5 (Surr)	*87*		*51 - 108*	*01/23/20 08:51*	*01/23/20 23:42*	*1*
Phenol-d5 (Surr)	*28*		*14 - 39*	*01/23/20 08:51*	*01/23/20 23:42*	*1*
Terphenyl-d14 (Surr)	*103*		*40 - 148*	*01/23/20 08:51*	*01/23/20 23:42*	*1*

Client Sample ID: MW-04_20200121
Lab Sample ID: 460-201317-4

Date Collected: 01/21/20 11:00
Matrix: Water
Date Received: 01/21/20 18:30

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 23:37	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/26/20 23:37	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/26/20 23:37	1
Benzene	1.0	U	1.0	0.20	ug/L			01/26/20 23:37	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/26/20 23:37	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 23:37	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/26/20 23:37	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/26/20 23:37	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 23:37	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 23:37	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 23:37	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 23:37	1
Toluene	1.0	U	1.0	0.38	ug/L			01/26/20 23:37	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/26/20 23:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*74 - 132*		*01/26/20 23:37*	*1*
4-Bromofluorobenzene	*108*		*77 - 124*		*01/26/20 23:37*	*1*
Dibromofluoromethane (Surr)	*103*		*72 - 131*		*01/26/20 23:37*	*1*
Toluene-d8 (Surr)	*89*		*80 - 120*		*01/26/20 23:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	1.1	ug/L		01/23/20 08:51	01/24/20 00:03	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/20 08:51	01/24/20 00:03	1
Anthracene	10	U	10	0.63	ug/L		01/23/20 08:51	01/24/20 00:03	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/20 08:51	01/24/20 00:03	1
Benzo[a]pyrene	1.0	U *	1.0	0.41	ug/L		01/23/20 08:51	01/24/20 00:03	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/20 08:51	01/24/20 00:03	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		01/23/20 08:51	01/24/20 00:03	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/20 08:51	01/24/20 00:03	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/20 08:51	01/24/20 00:03	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/20 08:51	01/24/20 00:03	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/20 08:51	01/24/20 00:03	1
Fluorene	10	U	10	0.91	ug/L		01/23/20 08:51	01/24/20 00:03	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/20 08:51	01/24/20 00:03	1
Naphthalene	10	U	10	1.1	ug/L		01/23/20 08:51	01/24/20 00:03	1
Phenanthrene	10	U	10	0.58	ug/L		01/23/20 08:51	01/24/20 00:03	1
Pyrene	10	U	10	1.6	ug/L		01/23/20 08:51	01/24/20 00:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*84*		*26 - 139*	*01/23/20 08:51*	*01/24/20 00:03*	*1*
2-Fluorobiphenyl	*79*		*45 - 107*	*01/23/20 08:51*	*01/24/20 00:03*	*1*
2-Fluorophenol (Surr)	*41*		*25 - 58*	*01/23/20 08:51*	*01/24/20 00:03*	*1*
Nitrobenzene-d5 (Surr)	*81*		*51 - 108*	*01/23/20 08:51*	*01/24/20 00:03*	*1*
Phenol-d5 (Surr)	*26*		*14 - 39*	*01/23/20 08:51*	*01/24/20 00:03*	*1*
Terphenyl-d14 (Surr)	*95*		*40 - 148*	*01/23/20 08:51*	*01/24/20 00:03*	*1*

Surrogate Summary

Client: AKRF Inc
Project/Site: Stapleton Playground

Job ID: 460-201317-1

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-201148-C-3 MS	Matrix Spike	90	112	98	89
460-201148-C-3 MSD	Matrix Spike Duplicate	92	116	96	90
460-201317-1	MW-01_20200121	97	99	98	99
460-201317-2	MW-02_20200121	109	104	108	106
460-201317-3	MW-03_20200121	99	105	99	89
460-201317-4	MW-04_20200121	102	108	103	89
LCS 460-670577/3	Lab Control Sample	98	95	95	98
LCS 460-670848/3	Lab Control Sample	98	110	105	92
LCSD 460-670577/5	Lab Control Sample Dup	105	101	103	104
MB 460-670577/10	Method Blank	108	108	109	108
MB 460-670848/9	Method Blank	103	107	104	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (26-139)	FBP (45-107)	2FP (25-58)	NBZ (51-108)	PHL (14-39)	TPHL (40-148)
460-201317-1	MW-01_20200121	93	85	45	88	29	105
460-201317-2	MW-02_20200121	94	88	43	90	28	115
460-201317-3	MW-03_20200121	92	85	43	87	28	103
460-201317-4	MW-04_20200121	84	79	41	81	26	95
LCS 460-670143/2-A	Lab Control Sample	99	84	48	87	34	108
LCSD 460-670143/3-A	Lab Control Sample Dup	89	77	48	81	34	100
MB 460-670143/1-A	Method Blank	94	85	49	89	34	111

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-670577/10
Matrix: Water
Analysis Batch: 670577

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/24/20 22:52	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/24/20 22:52	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/24/20 22:52	1
Benzene	1.0	U	1.0	0.20	ug/L			01/24/20 22:52	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/24/20 22:52	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/24/20 22:52	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/24/20 22:52	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/24/20 22:52	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/24/20 22:52	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/24/20 22:52	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/24/20 22:52	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/24/20 22:52	1
Toluene	1.0	U	1.0	0.38	ug/L			01/24/20 22:52	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/24/20 22:52	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*108*		*74 - 132*		*01/24/20 22:52*	*1*
4-Bromofluorobenzene	*108*		*77 - 124*		*01/24/20 22:52*	*1*
Dibromofluoromethane (Surr)	*109*		*72 - 131*		*01/24/20 22:52*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/24/20 22:52*	*1*

Lab Sample ID: LCS 460-670577/3
Matrix: Water
Analysis Batch: 670577

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	20.0	20.6		ug/L		103	78 - 122
1,3,5-Trimethylbenzene	20.0	21.5		ug/L		108	80 - 120
4-Isopropyltoluene	20.0	20.3		ug/L		102	75 - 122
Benzene	20.0	20.1		ug/L		100	77 - 121
Ethylbenzene	20.0	19.9		ug/L		100	80 - 120
Isopropylbenzene	20.0	19.9		ug/L		100	80 - 123
Methyl tert-butyl ether	20.0	18.1		ug/L		91	79 - 122
Naphthalene	20.0	22.3		ug/L		111	70 - 150
n-Butylbenzene	20.0	21.7		ug/L		109	72 - 133
N-Propylbenzene	20.0	21.1		ug/L		106	80 - 123
sec-Butylbenzene	20.0	20.9		ug/L		104	75 - 128
tert-Butylbenzene	20.0	20.9		ug/L		105	79 - 120
Toluene	20.0	19.7		ug/L		98	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*95*		*77 - 124*
Dibromofluoromethane (Surr)	*95*		*72 - 131*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-670577/5
Matrix: Water
Analysis Batch: 670577

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene			20.0	19.9		ug/L		99	78 - 122	4	30
1,3,5-Trimethylbenzene			20.0	20.0		ug/L		100	80 - 120	7	30
4-Isopropyltoluene			20.0	18.9		ug/L		94	75 - 122	8	30
Benzene			20.0	19.5		ug/L		97	77 - 121	3	30
Ethylbenzene			20.0	18.9		ug/L		95	80 - 120	5	30
Isopropylbenzene			20.0	19.3		ug/L		97	80 - 123	3	30
Methyl tert-butyl ether			20.0	19.4		ug/L		97	79 - 122	7	30
Naphthalene			20.0	24.6		ug/L		123	70 - 150	10	30
n-Butylbenzene			20.0	20.5		ug/L		102	72 - 133	6	30
N-Propylbenzene			20.0	19.4		ug/L		97	80 - 123	9	30
sec-Butylbenzene			20.0	19.3		ug/L		96	75 - 128	8	30
tert-Butylbenzene			20.0	19.2		ug/L		96	79 - 120	9	30
Toluene			20.0	18.7		ug/L		94	80 - 120	5	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*105*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*103*		*72 - 131*
Toluene-d8 (Surr)	*104*		*80 - 120*

Lab Sample ID: MB 460-670848/9
Matrix: Water
Analysis Batch: 670848

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trimethylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 21:28	1
1,3,5-Trimethylbenzene	1.0	U	1.0	0.33	ug/L			01/26/20 21:28	1
4-Isopropyltoluene	1.0	U	1.0	0.37	ug/L			01/26/20 21:28	1
Benzene	1.0	U	1.0	0.20	ug/L			01/26/20 21:28	1
Ethylbenzene	1.0	U	1.0	0.30	ug/L			01/26/20 21:28	1
Isopropylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 21:28	1
Methyl tert-butyl ether	1.0	U	1.0	0.47	ug/L			01/26/20 21:28	1
Naphthalene	1.0	U	1.0	0.88	ug/L			01/26/20 21:28	1
n-Butylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 21:28	1
N-Propylbenzene	1.0	U	1.0	0.32	ug/L			01/26/20 21:28	1
sec-Butylbenzene	1.0	U	1.0	0.37	ug/L			01/26/20 21:28	1
tert-Butylbenzene	1.0	U	1.0	0.34	ug/L			01/26/20 21:28	1
Toluene	1.0	U	1.0	0.38	ug/L			01/26/20 21:28	1
Xylenes, Total	2.0	U	2.0	0.65	ug/L			01/26/20 21:28	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*74 - 132*		*01/26/20 21:28*	*1*
4-Bromofluorobenzene	*107*		*77 - 124*		*01/26/20 21:28*	*1*
Dibromofluoromethane (Surr)	*104*		*72 - 131*		*01/26/20 21:28*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/26/20 21:28*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-670848/3
Matrix: Water
Analysis Batch: 670848

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	20.0	19.8		ug/L		99	78 - 122
1,3,5-Trimethylbenzene	20.0	20.6		ug/L		103	80 - 120
4-Isopropyltoluene	20.0	19.4		ug/L		97	75 - 122
Benzene	20.0	19.7		ug/L		99	77 - 121
Ethylbenzene	20.0	19.6		ug/L		98	80 - 120
Isopropylbenzene	20.0	20.3		ug/L		102	80 - 123
Methyl tert-butyl ether	20.0	21.4		ug/L		107	79 - 122
Naphthalene	20.0	22.6		ug/L		113	70 - 150
n-Butylbenzene	20.0	19.3		ug/L		97	72 - 133
N-Propylbenzene	20.0	18.9		ug/L		95	80 - 123
sec-Butylbenzene	20.0	19.7		ug/L		99	75 - 128
tert-Butylbenzene	20.0	20.1		ug/L		100	79 - 120
Toluene	20.0	20.1		ug/L		100	80 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*98*		*74 - 132*
4-Bromofluorobenzene	*110*		*77 - 124*
Dibromofluoromethane (Surr)	*105*		*72 - 131*
Toluene-d8 (Surr)	*92*		*80 - 120*

Lab Sample ID: 460-201148-C-3 MS
Matrix: Water
Analysis Batch: 670848

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trimethylbenzene	570		100	650		ug/L		84	78 - 122
1,3,5-Trimethylbenzene	44		100	150		ug/L		107	80 - 120
4-Isopropyltoluene	5.0	U	100	111		ug/L		111	75 - 122
Benzene	2.6	J	100	104		ug/L		102	77 - 121
Ethylbenzene	250		100	342		ug/L		93	80 - 120
Isopropylbenzene	23		100	129		ug/L		106	80 - 123
Methyl tert-butyl ether	5.0	U	100	118		ug/L		118	79 - 122
Naphthalene	150		100	247		ug/L		96	70 - 150
n-Butylbenzene	2.8	J	100	102		ug/L		99	72 - 133
N-Propylbenzene	21		100	122		ug/L		101	80 - 123
sec-Butylbenzene	2.2	J	100	108		ug/L		105	75 - 128
tert-Butylbenzene	5.0	U	100	107		ug/L		107	79 - 120
Toluene	5.0	U	100	106		ug/L		106	80 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*74 - 132*
4-Bromofluorobenzene	*112*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*89*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: 460-201148-C-3 MSD
Matrix: Water
Analysis Batch: 670848

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trimethylbenzene	570		100	646		ug/L		80	78 - 122	1	30
1,3,5-Trimethylbenzene	44		100	149		ug/L		105	80 - 120	1	30
4-Isopropyltoluene	5.0	U	100	109		ug/L		109	75 - 122	1	30
Benzene	2.6	J	100	106		ug/L		103	77 - 121	1	30
Ethylbenzene	250		100	344		ug/L		95	80 - 120	0	30
Isopropylbenzene	23		100	132		ug/L		109	80 - 123	2	30
Methyl tert-butyl ether	5.0	U	100	122		ug/L		122	79 - 122	3	30
Naphthalene	150		100	256		ug/L		105	70 - 150	4	30
n-Butylbenzene	2.8	J	100	103		ug/L		100	72 - 133	1	30
N-Propylbenzene	21		100	119		ug/L		99	80 - 123	2	30
sec-Butylbenzene	2.2	J	100	109		ug/L		107	75 - 128	2	30
tert-Butylbenzene	5.0	U	100	105		ug/L		105	79 - 120	2	30
Toluene	5.0	U	100	107		ug/L		107	80 - 120	1	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*92*		*74 - 132*
4-Bromofluorobenzene	*116*		*77 - 124*
Dibromofluoromethane (Surr)	*96*		*72 - 131*
Toluene-d8 (Surr)	*90*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-670143/1-A
Matrix: Water
Analysis Batch: 670302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670143

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 20:34	1
Acenaphthylene	10	U	10	0.82	ug/L		01/23/20 08:51	01/23/20 20:34	1
Anthracene	10	U	10	0.63	ug/L		01/23/20 08:51	01/23/20 20:34	1
Benzo[a]anthracene	1.0	U	1.0	0.59	ug/L		01/23/20 08:51	01/23/20 20:34	1
Benzo[a]pyrene	1.0	U	1.0	0.41	ug/L		01/23/20 08:51	01/23/20 20:34	1
Benzo[b]fluoranthene	2.0	U	2.0	0.68	ug/L		01/23/20 08:51	01/23/20 20:34	1
Benzo[g,h,i]perylene	10	U	10	1.4	ug/L		01/23/20 08:51	01/23/20 20:34	1
Benzo[k]fluoranthene	1.0	U	1.0	0.67	ug/L		01/23/20 08:51	01/23/20 20:34	1
Chrysene	2.0	U	2.0	0.91	ug/L		01/23/20 08:51	01/23/20 20:34	1
Dibenz(a,h)anthracene	1.0	U	1.0	0.72	ug/L		01/23/20 08:51	01/23/20 20:34	1
Fluoranthene	10	U	10	0.84	ug/L		01/23/20 08:51	01/23/20 20:34	1
Fluorene	10	U	10	0.91	ug/L		01/23/20 08:51	01/23/20 20:34	1
Indeno[1,2,3-cd]pyrene	2.0	U	2.0	0.94	ug/L		01/23/20 08:51	01/23/20 20:34	1
Naphthalene	10	U	10	1.1	ug/L		01/23/20 08:51	01/23/20 20:34	1
Phenanthrene	10	U	10	0.58	ug/L		01/23/20 08:51	01/23/20 20:34	1
Pyrene	10	U	10	1.6	ug/L		01/23/20 08:51	01/23/20 20:34	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*94*		*26 - 139*	*01/23/20 08:51*	*01/23/20 20:34*	*1*
2-Fluorobiphenyl	*85*		*45 - 107*	*01/23/20 08:51*	*01/23/20 20:34*	*1*
2-Fluorophenol (Surr)	*49*		*25 - 58*	*01/23/20 08:51*	*01/23/20 20:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670143/1-A
Matrix: Water
Analysis Batch: 670302

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670143

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	89		51 - 108	01/23/20 08:51	01/23/20 20:34	1
Phenol-d5 (Surr)	34		14 - 39	01/23/20 08:51	01/23/20 20:34	1
Terphenyl-d14 (Surr)	111		40 - 148	01/23/20 08:51	01/23/20 20:34	1

Lab Sample ID: LCS 460-670143/2-A
Matrix: Water
Analysis Batch: 670302

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670143

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	80.0	59.8		ug/L		75	58 - 107
Acenaphthylene	80.0	61.2		ug/L		77	61 - 106
Anthracene	80.0	64.4		ug/L		80	70 - 118
Benzo[a]anthracene	80.0	65.7		ug/L		82	73 - 119
Benzo[a]pyrene	80.0	60.1	*	ug/L		75	76 - 125
Benzo[b]fluoranthene	80.0	63.5		ug/L		79	78 - 123
Benzo[g,h,i]perylene	80.0	73.1		ug/L		91	63 - 133
Benzo[k]fluoranthene	80.0	67.1		ug/L		84	71 - 126
Chrysene	80.0	70.9		ug/L		89	73 - 121
Dibenz(a,h)anthracene	80.0	79.9		ug/L		100	59 - 136
Fluoranthene	80.0	62.5		ug/L		78	66 - 123
Fluorene	80.0	63.8		ug/L		80	67 - 112
Indeno[1,2,3-cd]pyrene	80.0	72.5		ug/L		91	57 - 142
Naphthalene	80.0	56.7		ug/L		71	51 - 98
Phenanthrene	80.0	64.0		ug/L		80	70 - 117
Pyrene	80.0	70.1		ug/L		88	63 - 129

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	99		26 - 139
2-Fluorobiphenyl	84		45 - 107
2-Fluorophenol (Surr)	48		25 - 58
Nitrobenzene-d5 (Surr)	87		51 - 108
Phenol-d5 (Surr)	34		14 - 39
Terphenyl-d14 (Surr)	108		40 - 148

Lab Sample ID: LCSD 460-670143/3-A
Matrix: Water
Analysis Batch: 670302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670143

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	80.0	62.9		ug/L		79	58 - 107	5	30
Acenaphthylene	80.0	63.7		ug/L		80	61 - 106	4	30
Anthracene	80.0	67.4		ug/L		84	70 - 118	5	30
Benzo[a]anthracene	80.0	68.2		ug/L		85	73 - 119	4	30
Benzo[a]pyrene	80.0	62.4		ug/L		78	76 - 125	4	30
Benzo[b]fluoranthene	80.0	66.1		ug/L		83	78 - 123	4	30
Benzo[g,h,i]perylene	80.0	77.0		ug/L		96	63 - 133	5	30
Benzo[k]fluoranthene	80.0	69.3		ug/L		87	71 - 126	3	30
Chrysene	80.0	74.2		ug/L		93	73 - 121	5	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670143/3-A
Matrix: Water
Analysis Batch: 670302

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670143

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Dibenz(a,h)anthracene			80.0	82.8		ug/L		103	59 - 136	3	30
Fluoranthene			80.0	64.5		ug/L		81	66 - 123	3	30
Fluorene			80.0	66.0		ug/L		82	67 - 112	3	30
Indeno[1,2,3-cd]pyrene			80.0	75.2		ug/L		94	57 - 142	4	30
Naphthalene			80.0	61.3		ug/L		77	51 - 98	8	30
Phenanthrene			80.0	66.2		ug/L		83	70 - 117	3	30
Pyrene			80.0	72.0		ug/L		90	63 - 129	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*89*		*26 - 139*
2-Fluorobiphenyl	*77*		*45 - 107*
2-Fluorophenol (Surr)	*48*		*25 - 58*
Nitrobenzene-d5 (Surr)	*81*		*51 - 108*
Phenol-d5 (Surr)	*34*		*14 - 39*
Terphenyl-d14 (Surr)	*100*		*40 - 148*

QC Association Summary

Client: AKRF Inc
Job ID: 460-201317-1
Project/Site: Stapleton Playground

GC/MS VOA

Analysis Batch: 670577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201317-1	MW-01_20200121	Total/NA	Water	8260C	
460-201317-2	MW-02_20200121	Total/NA	Water	8260C	
MB 460-670577/10	Method Blank	Total/NA	Water	8260C	
LCS 460-670577/3	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-670577/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 670848

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201317-3	MW-03_20200121	Total/NA	Water	8260C	
460-201317-4	MW-04_20200121	Total/NA	Water	8260C	
MB 460-670848/9	Method Blank	Total/NA	Water	8260C	
LCS 460-670848/3	Lab Control Sample	Total/NA	Water	8260C	
460-201148-C-3 MS	Matrix Spike	Total/NA	Water	8260C	
460-201148-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 670143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201317-1	MW-01_20200121	Total/NA	Water	3510C	
460-201317-2	MW-02_20200121	Total/NA	Water	3510C	
460-201317-3	MW-03_20200121	Total/NA	Water	3510C	
460-201317-4	MW-04_20200121	Total/NA	Water	3510C	
MB 460-670143/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-670143/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-670143/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 670302

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201317-1	MW-01_20200121	Total/NA	Water	8270D	670143
460-201317-2	MW-02_20200121	Total/NA	Water	8270D	670143
460-201317-3	MW-03_20200121	Total/NA	Water	8270D	670143
460-201317-4	MW-04_20200121	Total/NA	Water	8270D	670143
MB 460-670143/1-A	Method Blank	Total/NA	Water	8270D	670143
LCS 460-670143/2-A	Lab Control Sample	Total/NA	Water	8270D	670143
LCSD 460-670143/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	670143

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201317-1
Project/Site: Stapleton Playground

Client Sample ID: MW-01_20200121
Lab Sample ID: 460-201317-1
Date Collected: 01/21/20 09:40
Matrix: Water
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670577	01/25/20 05:50	GXY	TAL EDI
Total/NA	Prep	3510C			670143	01/23/20 08:51	DXD	TAL EDI
Total/NA	Analysis	8270D		1	670302	01/23/20 23:00	DAN	TAL EDI

Client Sample ID: MW-02_20200121
Lab Sample ID: 460-201317-2
Date Collected: 01/21/20 11:55
Matrix: Water
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670577	01/25/20 06:16	GXY	TAL EDI
Total/NA	Prep	3510C			670143	01/23/20 08:51	DXD	TAL EDI
Total/NA	Analysis	8270D		1	670302	01/23/20 23:21	DAN	TAL EDI

Client Sample ID: MW-03_20200121
Lab Sample ID: 460-201317-3
Date Collected: 01/21/20 10:25
Matrix: Water
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670848	01/26/20 23:11	GXY	TAL EDI
Total/NA	Prep	3510C			670143	01/23/20 08:51	DXD	TAL EDI
Total/NA	Analysis	8270D		1	670302	01/23/20 23:42	DAN	TAL EDI

Client Sample ID: MW-04_20200121
Lab Sample ID: 460-201317-4
Date Collected: 01/21/20 11:00
Matrix: Water
Date Received: 01/21/20 18:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	670848	01/26/20 23:37	GXY	TAL EDI
Total/NA	Prep	3510C			670143	01/23/20 08:51	DXD	TAL EDI
Total/NA	Analysis	8270D		1	670302	01/24/20 00:03	DAN	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-201317-1
Project/Site: Stapleton Playground

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

Method Summary

Client: AKRF Inc
Project/Site: Stapleton Playground

Job ID: 460-201317-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AKRF Inc
Project/Site: Stapleton Playground

Job ID: 460-201317-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-201317-1	MW-01_20200121	Water	01/21/20 09:40	01/21/20 18:30	
460-201317-2	MW-02_20200121	Water	01/21/20 11:55	01/21/20 18:30	
460-201317-3	MW-03_20200121	Water	01/21/20 10:25	01/21/20 18:30	
460-201317-4	MW-04_20200121	Water	01/21/20 11:00	01/21/20 18:30	

Chain of Custody Record 411242

eurofins | Environment Testing TestAmerica

NYC 222

Address: _____

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NYSDEC

TAL-8210

Client Contact	Project Manager: Ken Wiles	Site Contact: T. Larigan	Date: 01/21/2020	COC No:
Company Name: AKRF, Inc.	Tel/Email: Kwiles@akrf.com	Lab Contact: Melissa Hass	Carrier:	1 of 1 COCs
Address: 440 Park Ave South, 7th Floor	Analysis Turnaround Time			Sampler:
City/State/Zip: New York, NY 10016	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 646 388 9528	TAT if different from Below _____			Walk-in Client:
Fax:	☒ 2 weeks			Lab Sampling:
Project Name: Stapleton Playground	☐ 1 week			
Site: Intersection Tompkins St. + Tompkins Ave, SI	☐ 2 days			Job / SDG No.: 201317
PO # 190295	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	VOCs - NYSDEC CP-51	SVOCs - NYSDEC CP-51	Sample Specific Notes:
MW-01_20200121	1/21/2020	0940	G	Aq	5	N	N	X	X	1
MW-02_20200121	1/21/2020	11:55	G	Aq	5	N	N	X	X	2
MW-03_20200121	1/21/2020	1025	G	Aq	5	N	N	X	X	3
MW-04_20200121	1/21/2020	11:00	G	Aq	5	N	N	X	X	4

5-Day RUSH

460-201317 Chain of Custody

Preservation Used: 1=Ice, 2=HCl; 3=H2SO4; 4=HNO3; 5=NaOH; 6= Other — 2 | 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

	Company	Date/Time		Company	Date/Time
Relinquished by:	AKRF		Received by:		1/21/20
Relinquished by:	JA	1/21/20 1830	Received by:	JA	1/21/20 1600
Relinquished by:			Received in Laboratory by:	JA	1/21/20 1830

2-7 3.0 IR 11

Page 24 of 26

1/28/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201317

Number of Coolers: 1 **IR Gun #** 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.7 °C	3.0 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

* *Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ **Date:** 1 2 1 20

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201317-1

Login Number: 201317
List Number: 1
Creator: Breton, Jayson J

List Source: Eurofins TestAmerica, Edison

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

eurofins | Environment Testing TestAmerica



ANALYTICAL REPORT

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

Laboratory Job ID: 460-201595-1
Client Project/Site: 1100 Myrtle Ave, Brookyln

For:
AKRF Inc
440 Park Avenue South
7th Floor
New York, New York 10016

Attn: Mr. Kenneth Wiles

Authorized for release by:
2/4/2020 8:44:41 AM
Thomas Chupela, Project Management Assistant I
thomas.chupela@testamericainc.com

Designee for

Melissa Haas, Senior Project Manager
(203)308-0880
melissa.haas@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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



Thomas Chupela
Project Management Assistant I
2/4/2020 8:44:41 AM

Table of Contents

Cover Page 1
Table of Contents 3
Definitions/Glossary 4
Case Narrative 5
Detection Summary 10
Client Sample Results 13
Surrogate Summary 36
Isotope Dilution Summary 39
QC Sample Results 40
QC Association Summary 97
Lab Chronicle 103
Certification Summary 106
Method Summary 107
Sample Summary 108
Chain of Custody 109
Receipt Checklists 115

Definitions/Glossary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*	RPD of the LCS and LCSD exceeds the control limits
E	Result exceeded calibration range.
F1	MS and/or MSD Recovery is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.
X	Surrogate is outside control limits

GC Semi VOA

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery is outside acceptance limits.
F5	Duplicate RPD exceeds limit, and one or both sample results are less than 5 times RL. The data are considered valid because the absolute difference is less than the RL.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-201595-1

Laboratory: Eurofins TestAmerica, Edison

Narrative

CASE NARRATIVE

Client: AKRF Inc

Project: 1100 Myrtle Ave, Brookyln

Report Number: 460-201595-1

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

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

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

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

RECEIPT

The samples were received on 1/24/2020 7:30 PM, 1/27/2020 7:20 PM and 1/28/2020 6:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 2.5º C, 2.7º C and 3.0º C.

Receipt Exceptions

The Chain-of-Custody (COC) was incomplete as received and/or improperly completed. "Dissolved and lab-filtered metals" was requested on the 1/27 and 1/28 COCs; however, the client confirmed that total and lab-filtered metals are required.

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

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), TB-01_20200128 (460-201818-1), MW-04_20200127 (460-201730-2), MW-03_20200128 (460-201818-2) and TB-01_20200127 (460-201730-3) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 01/29/2020, 01/30/2020 and 01/31/2020.

The continuing calibration verification (CCV) analyzed in batch 460-671715 was outside the method criteria for the following analyte(s): Chloromethane and Methyl acetate (biased high); Carbon tetrachloride and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for analytical batch 460-671715 recovered outside control limits for the following analytes: Chloromethane and Benzene. These analytes were biased high in the LCS and/or LCSD and were not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-672017 was outside the method criteria for the following analyte: Dichlorodifluoromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte is

Job ID: 460-201595-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

considered estimated.

The continuing calibration verification (CCV) analyzed in batch 460-671886 was outside the method criteria for the following analyte(s): Methyl acetate (biased high) and Bromoform (biased low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) for analytical batch 460-671886 recovered outside control limits for the following analyte: Carbon tetrachloride (biased low). This analyte was not detected in the associated samples.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared on 01/26/2020, 01/29/2020 and 01/31/2020 and analyzed on 01/27/2020, 01/30/2020 and 02/01/2020.

The continuing calibration verification (CCV) analyzed in batch 460-670866 was outside the method criteria for the following analyte(s): Bis(2-ethylhexyl) phthalate. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-670779 and analytical batch 460-670866 recovered outside control limits for the following analytes: Phenol. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The laboratory control sample duplicate (LCSD) for preparation batch 460-670779 and analytical batch 460-670866 recovered outside control limits for the following analytes: Benzaldehyde. These analytes were biased high in the LCSD and were not detected in the associated samples; therefore, the data have been reported.

Surrogates recoveries for the following laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 460-670779 were outside the upper control limits. Sample has been reported.

Surrogate recovery for the following sample was outside the upper control limit: MW-02_20200124 (460-201595-1). This sample did not contain any target analytes; therefore, re-extraction and/or re-analysis was not performed.

The continuing calibration verification (CCV) analyzed in batch 460-671591 was outside the method criteria for the following analyte(s): < Benzidine, Bisphenol-A, Benzo[g,h,i]perylene, Dibenz(a,h)anthracene and Indeno[1,2,3-cd]pyrene>. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-671501 and analytical batch 460-671591 recovered outside control limits for the following analytes: < Phenol>. These analytes were biased high in the LCS and/or LCSD and were not detected in the associated samples; therefore, the data have been reported.

Surrogate recovery for the following laboratory control sample duplicate (LCSD) associated with batch 460-671501 were outside the control limits. The spiked compounds were acceptable. Sample has been qualified and reported.

The continuing calibration verification (CCV) associated with batch 460-672220 recovered above the upper control limit for Bis(2-ethylhexyl) phthalate and Dibenz(a,h)anthracene. The samples associated with this CCV were non-detects for the affected analytes;

Job ID: 460-201595-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

therefore, the data have been reported.

The laboratory control sample (LCS) for preparation batch 460-672063 and analytical batch 460-672220 recovered outside control limits for the following analytes: Phenol. These analytes were biased high in the LCS and were not detected in the associated samples; therefore, the data have been reported.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits due to poor performance. The LCS associated with batch 460-672063 had (3,3'-Dichlorobenzidine and 4-Chloroaniline) outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-672063 and analytical batch 460-672220 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-672063 and analytical batch 460-672220 recovered outside control limits for the following analytes: Atrazine and Caprolactam.

The surrogate recovery for the blank associated with preparation batch 460-672063 and analytical batch 460-672220 was outside the upper control limits.

Surrogates recoveries for the following laboratory control sample (LCS) associated with batch 460-672063 were outside the upper control limits. Sample has been reported.

Surrogates recoveries for the following laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) associated with batch 460-672063 were outside the upper control limits. Sample has been reported.

Several analytes failed the recovery criteria high for the MSD of sample 460-201820-3 in batch 460-672220.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS - SELECTED ION MODE (SIM) - ISOTOPE DILUTION - 1,4 DIOXANE

Sample MW-02_20200124 (460-201595-1) was analyzed for semivolatile organic compounds - Selected Ion Mode (SIM) - Isotope Dilution - 1,4 Dioxane in accordance with EPA SW-846 Method 8270D SIM 1,4Dioxane. The samples were prepared and analyzed on 01/31/2020.

No difficulties were encountered during the 1,4 Dioxane analysis.

All quality control parameters were within the acceptance limits.

PESTICIDES

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for Pesticides in accordance with EPA SW-846 Methods 8081B. The samples were prepared on 01/26/2020, 01/28/2020 and 01/30/2020 and analyzed on 01/28/2020, 01/29/2020 and 01/31/2020.

No difficulties were encountered during the pesticides analysis.

All quality control parameters were within the acceptance limits.

POLYCHLORINATED BIPHENYLS (PCBS)

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for polychlorinated biphenyls (PCBs) in accordance with EPA SW-846 Method 8082A.

Job ID: 460-201595-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

The samples were prepared on 01/26/2020, 01/28/2020 and 01/30/2020 and analyzed on 01/27/2020, 01/29/2020 and 02/01/2020.

No difficulties were encountered during the PCBs analysis.

All quality control parameters were within the acceptance limits.

METALS (ICP)

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for Metals (ICP) in accordance with 6020B. The samples were prepared and analyzed on 02/03/2020.

Calcium, Magnesium and Sodium failed the recovery criteria low for the MS of sample MW-02_20200124MS (460-201595-1) in batch 460-672572. Cobalt failed the recovery criteria high.

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

Refer to the QC report for details.

Samples MW-02_20200124 (460-201595-1)[2X], MW-01_20200127 (460-201595-1)[2X], MW-04_20200127 (460-201595-2)[2X] and MW-03_20200128 (460-201595-2)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the Metals (ICP) analysis.

All other quality control parameters were within the acceptance limits.

METALS

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for Metals in accordance with 6020B. The samples were prepared on 01/28/2020 and 01/29/2020 and analyzed on 01/28/2020 and 02/03/2020.

The matrix spike (MS) recovery for preparation batch 460-671197 and analytical batch 460-671281 was outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits. Undigested sample 460-201514-1 has a strong odor and light color.

Aluminum exceeded the RPD limit for the duplicate of sample 460-201815-9.

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

Refer to the QC report for details.

No other difficulties were encountered during the Metals analysis.

All other quality control parameters were within the acceptance limits.

DISSOLVED MERCURY

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for dissolved mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/31/2020.

No difficulties were encountered during the dissolved Hg analysis.

All quality control parameters were within the acceptance limits.

Job ID: 460-201595-1 (Continued)

Laboratory: Eurofins TestAmerica, Edison (Continued)

TOTAL MERCURY

Samples MW-02_20200124 (460-201595-1), MW-01_20200127 (460-201730-1), MW-04_20200127 (460-201730-2) and MW-03_20200128 (460-201818-2) were analyzed for total mercury in accordance with EPA SW-846 Methods 7470A. The samples were prepared and analyzed on 01/31/2020.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

Detection Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-02_20200124 — Lab Sample ID: 460-201595-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	11		1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	1.6		1.0	0.22	ug/L	1		8260C	Total/NA
Dichlorobromomethane	0.46	J	1.0	0.34	ug/L	1		8260C	Total/NA
Tetrachloroethene	29		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	2.5		1.0	0.31	ug/L	1		8260C	Total/NA
1,4-Dioxane	0.16	J	0.20	0.016	ug/L	1		8270D SIM ID	Total/NA
Aluminum	192		40.0	18.8	ug/L	2		6020B	Total/NA
Antimony	0.46	J	2.0	0.40	ug/L	2		6020B	Total/NA
Barium	72.8		4.0	1.2	ug/L	2		6020B	Total/NA
Calcium	49500		200	98.8	ug/L	2		6020B	Total/NA
Chromium	3.1	J	4.0	2.3	ug/L	2		6020B	Total/NA
Cobalt	1.7	J	4.0	1.6	ug/L	2		6020B	Total/NA
Copper	8.4		4.0	2.0	ug/L	2		6020B	Total/NA
Iron	681		120	51.1	ug/L	2		6020B	Total/NA
Lead	0.95	J	1.2	0.55	ug/L	2		6020B	Total/NA
Magnesium	13200		200	73.7	ug/L	2		6020B	Total/NA
Manganese	793		8.0	2.9	ug/L	2		6020B	Total/NA
Nickel	4.3		4.0	2.4	ug/L	2		6020B	Total/NA
Potassium	4680		200	86.7	ug/L	2		6020B	Total/NA
Sodium	57000		200	128	ug/L	2		6020B	Total/NA
Zinc	16.5		16.0	11.1	ug/L	2		6020B	Total/NA
Barium	81.2		4.0	1.2	ug/L	2		6020B	Dissolved
Cobalt	1.6	J F1	4.0	1.6	ug/L	2		6020B	Dissolved
Manganese	866		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel	3.6	J	4.0	2.4	ug/L	2		6020B	Dissolved
Sodium	63000		200	128	ug/L	2		6020B	Dissolved
Magnesium	14700		200	73.7	ug/L	2		6020B	Dissolved
Potassium	5580		200	86.7	ug/L	2		6020B	Dissolved
Calcium	73600		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: MW-01_20200127 — Lab Sample ID: 460-201730-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	9.0		1.0	0.33	ug/L	1		8260C	Total/NA
Tetrachloroethene	44		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	1.7		1.0	0.31	ug/L	1		8260C	Total/NA
Aluminum	127		40.0	18.8	ug/L	2		6020B	Total/NA
Antimony	1.1	J	2.0	0.40	ug/L	2		6020B	Total/NA
Barium	102		4.0	1.2	ug/L	2		6020B	Total/NA
Calcium	68400		200	98.8	ug/L	2		6020B	Total/NA
Iron	258		120	51.1	ug/L	2		6020B	Total/NA
Lead	0.75	J	1.2	0.55	ug/L	2		6020B	Total/NA
Magnesium	27400		200	73.7	ug/L	2		6020B	Total/NA
Manganese	538		8.0	2.9	ug/L	2		6020B	Total/NA
Nickel	5.4		4.0	2.4	ug/L	2		6020B	Total/NA
Potassium	6130		200	86.7	ug/L	2		6020B	Total/NA
Sodium	63700		200	128	ug/L	2		6020B	Total/NA
Barium	103		4.0	1.2	ug/L	2		6020B	Dissolved
Manganese	536		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel	5.0		4.0	2.4	ug/L	2		6020B	Dissolved
Antimony	0.76	J	2.0	0.40	ug/L	2		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-01_20200127 (Continued) — Lab Sample ID: 460-201730-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	66200		200	128	ug/L	2		6020B	Dissolved
Magnesium	28500		200	73.7	ug/L	2		6020B	Dissolved
Potassium	5990		200	86.7	ug/L	2		6020B	Dissolved
Calcium	86100		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: MW-04_20200127 — Lab Sample ID: 460-201730-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	2.2		1.0	0.33	ug/L	1		8260C	Total/NA
Tetrachloroethene	35		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	2.0		1.0	0.31	ug/L	1		8260C	Total/NA
Aluminum	36.3	J	40.0	18.8	ug/L	2		6020B	Total/NA
Barium	93.4		4.0	1.2	ug/L	2		6020B	Total/NA
Calcium	62300		200	98.8	ug/L	2		6020B	Total/NA
Copper	2.3	J	4.0	2.0	ug/L	2		6020B	Total/NA
Iron	62.8	J	120	51.1	ug/L	2		6020B	Total/NA
Lead	0.63	J	1.2	0.55	ug/L	2		6020B	Total/NA
Magnesium	21100		200	73.7	ug/L	2		6020B	Total/NA
Manganese	407		8.0	2.9	ug/L	2		6020B	Total/NA
Nickel	4.0		4.0	2.4	ug/L	2		6020B	Total/NA
Potassium	4630		200	86.7	ug/L	2		6020B	Total/NA
Sodium	116000		200	128	ug/L	2		6020B	Total/NA
Vanadium	1.4	J	4.0	1.1	ug/L	2		6020B	Total/NA
Barium	96.4		4.0	1.2	ug/L	2		6020B	Dissolved
Manganese	426		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel	3.7	J	4.0	2.4	ug/L	2		6020B	Dissolved
Vanadium	1.3	J	4.0	1.1	ug/L	2		6020B	Dissolved
Sodium	118000		200	128	ug/L	2		6020B	Dissolved
Magnesium	21500		200	73.7	ug/L	2		6020B	Dissolved
Potassium	4770		200	86.7	ug/L	2		6020B	Dissolved
Calcium	72900		200	98.8	ug/L	2		6020B	Dissolved

Client Sample ID: TB-01_20200127 — Lab Sample ID: 460-201730-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	1.1		1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: TB-01_20200128 — Lab Sample ID: 460-201818-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.97	J	1.0	0.33	ug/L	1		8260C	Total/NA

Client Sample ID: MW-03_20200128 — Lab Sample ID: 460-201818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	14		1.0	0.33	ug/L	1		8260C	Total/NA
cis-1,2-Dichloroethene	0.92	J	1.0	0.22	ug/L	1		8260C	Total/NA
Tetrachloroethene	22		1.0	0.25	ug/L	1		8260C	Total/NA
Trichloroethene	1.9		1.0	0.31	ug/L	1		8260C	Total/NA
Aluminum	178		40.0	18.8	ug/L	2		6020B	Total/NA
Barium	59.8		4.0	1.2	ug/L	2		6020B	Total/NA
Calcium	62800		200	98.8	ug/L	2		6020B	Total/NA
Chromium	2.3	J	4.0	2.3	ug/L	2		6020B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: MW-03_20200128 (Continued)
Lab Sample ID: 460-201818-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Copper	3.0	J	4.0	2.0	ug/L	2		6020B	Total/NA
Iron	422		120	51.1	ug/L	2		6020B	Total/NA
Magnesium	19800		200	73.7	ug/L	2		6020B	Total/NA
Manganese	537		8.0	2.9	ug/L	2		6020B	Total/NA
Nickel	4.5		4.0	2.4	ug/L	2		6020B	Total/NA
Potassium	3640		200	86.7	ug/L	2		6020B	Total/NA
Sodium	84700		200	128	ug/L	2		6020B	Total/NA
Barium	59.2		4.0	1.2	ug/L	2		6020B	Dissolved
Manganese	488		8.0	2.9	ug/L	2		6020B	Dissolved
Nickel	3.1	J	4.0	2.4	ug/L	2		6020B	Dissolved
Sodium	85400		200	128	ug/L	2		6020B	Dissolved
Magnesium	20400		200	73.7	ug/L	2		6020B	Dissolved
Potassium	3560		200	86.7	ug/L	2		6020B	Dissolved
Calcium	65900		200	98.8	ug/L	2		6020B	Dissolved

This Detection Summary does not include radiochemical test results.

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-02_20200124
Date Collected: 01/24/20 16:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201595-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/29/20 16:37	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/29/20 16:37	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/29/20 16:37	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 16:37	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/29/20 16:37	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/29/20 16:37	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/29/20 16:37	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/29/20 16:37	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/29/20 16:37	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/29/20 16:37	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 16:37	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/29/20 16:37	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/29/20 16:37	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/29/20 16:37	1
1,4-Dioxane	28	U	50	28	ug/L			01/29/20 16:37	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/29/20 16:37	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/29/20 16:37	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/29/20 16:37	1
Acetone	4.4	U	5.0	4.4	ug/L			01/29/20 16:37	1
Benzene	0.20	U	1.0	0.20	ug/L			01/29/20 16:37	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/29/20 16:37	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/29/20 16:37	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/29/20 16:37	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/29/20 16:37	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/29/20 16:37	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/29/20 16:37	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/29/20 16:37	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/29/20 16:37	1
Chloroform	**11**		1.0	0.33	ug/L			01/29/20 16:37	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/29/20 16:37	1
cis-1,2-Dichloroethene	**1.6**		1.0	0.22	ug/L			01/29/20 16:37	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/29/20 16:37	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/29/20 16:37	1
Dichlorobromomethane	**0.46**	**J**	1.0	0.34	ug/L			01/29/20 16:37	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/29/20 16:37	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/29/20 16:37	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/29/20 16:37	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/29/20 16:37	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/29/20 16:37	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/29/20 16:37	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/29/20 16:37	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/29/20 16:37	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/29/20 16:37	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/29/20 16:37	1
Styrene	0.42	U	1.0	0.42	ug/L			01/29/20 16:37	1
Tetrachloroethene	**29**		1.0	0.25	ug/L			01/29/20 16:37	1
Toluene	0.38	U	1.0	0.38	ug/L			01/29/20 16:37	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/29/20 16:37	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/29/20 16:37	1

Client Sample ID: MW-02_20200124 — **Lab Sample ID: 460-201595-1**
Date Collected: 01/24/20 16:30 — **Matrix: Water**
Date Received: 01/24/20 19:30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	2.5		1.0	0.31	ug/L			01/29/20 16:37	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/29/20 16:37	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/29/20 16:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*01/29/20 16:37*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*01/29/20 16:37*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*01/29/20 16:37*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/29/20 16:37*	*1*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.16	J	0.20	0.016	ug/L		01/31/20 09:09	01/31/20 21:34	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*57*		*10 - 150*	*01/31/20 09:09*	*01/31/20 21:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/27/20 06:01	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/26/20 07:35	01/27/20 06:01	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/26/20 07:35	01/27/20 06:01	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/27/20 06:01	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/26/20 07:35	01/27/20 06:01	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/26/20 07:35	01/27/20 06:01	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/27/20 06:01	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/26/20 07:35	01/27/20 06:01	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/26/20 07:35	01/27/20 06:01	1
Acetophenone	2.3	U	10	2.3	ug/L		01/26/20 07:35	01/27/20 06:01	1
Anthracene	0.63	U	10	0.63	ug/L		01/26/20 07:35	01/27/20 06:01	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/26/20 07:35	01/27/20 06:01	1

Client Sample ID: MW-02_20200124
Lab Sample ID: 460-201595-1
Date Collected: 01/24/20 16:30
Matrix: Water
Date Received: 01/24/20 19:30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzaldehyde	2.1	U *	10	2.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/26/20 07:35	01/27/20 06:01	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/26/20 07:35	01/27/20 06:01	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/26/20 07:35	01/27/20 06:01	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/26/20 07:35	01/27/20 06:01	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/26/20 07:35	01/27/20 06:01	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/26/20 07:35	01/27/20 06:01	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/26/20 07:35	01/27/20 06:01	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/26/20 07:35	01/27/20 06:01	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/26/20 07:35	01/27/20 06:01	1
Caprolactam	0.68	U	10	0.68	ug/L		01/26/20 07:35	01/27/20 06:01	1
Carbazole	0.68	U	10	0.68	ug/L		01/26/20 07:35	01/27/20 06:01	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/26/20 07:35	01/27/20 06:01	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/26/20 07:35	01/27/20 06:01	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/26/20 07:35	01/27/20 06:01	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/26/20 07:35	01/27/20 06:01	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/26/20 07:35	01/27/20 06:01	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/26/20 07:35	01/27/20 06:01	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/26/20 07:35	01/27/20 06:01	1
Fluorene	0.91	U	10	0.91	ug/L		01/26/20 07:35	01/27/20 06:01	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/26/20 07:35	01/27/20 06:01	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/26/20 07:35	01/27/20 06:01	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/26/20 07:35	01/27/20 06:01	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/26/20 07:35	01/27/20 06:01	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/26/20 07:35	01/27/20 06:01	1
Isophorone	0.80	U	10	0.80	ug/L		01/26/20 07:35	01/27/20 06:01	1
Naphthalene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/27/20 06:01	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/26/20 07:35	01/27/20 06:01	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/26/20 07:35	01/27/20 06:01	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/26/20 07:35	01/27/20 06:01	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/26/20 07:35	01/27/20 06:01	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/26/20 07:35	01/27/20 06:01	1
Phenol	0.29	U *	10	0.29	ug/L		01/26/20 07:35	01/27/20 06:01	1
Pyrene	1.6	U	10	1.6	ug/L		01/26/20 07:35	01/27/20 06:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*26 - 139*	*01/26/20 07:35*	*01/27/20 06:01*	*1*
2-Fluorobiphenyl	*91*		*45 - 107*	*01/26/20 07:35*	*01/27/20 06:01*	*1*
2-Fluorophenol (Surr)	*61*	*X*	*25 - 58*	*01/26/20 07:35*	*01/27/20 06:01*	*1*
Nitrobenzene-d5 (Surr)	*103*		*51 - 108*	*01/26/20 07:35*	*01/27/20 06:01*	*1*
Phenol-d5 (Surr)	*43*	*X*	*14 - 39*	*01/26/20 07:35*	*01/27/20 06:01*	*1*
Terphenyl-d14 (Surr)	*105*		*40 - 148*	*01/26/20 07:35*	*01/27/20 06:01*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 10:43	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 10:43	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 10:43	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 10:43	1

Client Sample ID: MW-02_20200124
Date Collected: 01/24/20 16:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201595-1
Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/26/20 15:55	01/28/20 10:43	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 10:43	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/26/20 15:55	01/28/20 10:43	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 10:43	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 10:43	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 10:43	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/26/20 15:55	01/28/20 10:43	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 10:43	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 10:43	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 10:43	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/26/20 15:55	01/28/20 10:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*82*		*10 - 150*	*01/26/20 15:55*	*01/28/20 10:43*	*1*
DCB Decachlorobiphenyl	*65*		*10 - 150*	*01/26/20 15:55*	*01/28/20 10:43*	*1*
Tetrachloro-m-xylene	*76*		*12 - 136*	*01/26/20 15:55*	*01/28/20 10:43*	*1*
Tetrachloro-m-xylene	*74*		*12 - 136*	*01/26/20 15:55*	*01/28/20 10:43*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 21:40	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 21:40	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 21:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*90*		*10 - 150*	*01/26/20 15:59*	*01/27/20 21:40*	*1*
DCB Decachlorobiphenyl	*99*		*10 - 150*	*01/26/20 15:59*	*01/27/20 21:40*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**192**		40.0	18.8	ug/L		01/28/20 06:22	01/28/20 18:40	2
Antimony	**0.46**	**J**	2.0	0.40	ug/L		01/28/20 06:22	01/28/20 18:40	2
Arsenic	0.73	U	2.0	0.73	ug/L		01/28/20 06:22	01/28/20 18:40	2
Barium	**72.8**		4.0	1.2	ug/L		01/28/20 06:22	01/28/20 18:40	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/28/20 06:22	01/28/20 18:40	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/28/20 06:22	01/28/20 18:40	2
Calcium	**49500**		200	98.8	ug/L		01/28/20 06:22	01/28/20 18:40	2
Chromium	**3.1**	**J**	4.0	2.3	ug/L		01/28/20 06:22	01/28/20 18:40	2

Client Sample ID: MW-02_20200124
Date Collected: 01/24/20 16:30
Date Received: 01/24/20 19:30

Lab Sample ID: 460-201595-1
Matrix: Water

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cobalt	**1.7**	**J**	4.0	1.6	ug/L		01/28/20 06:22	01/28/20 18:40	2
Copper	**8.4**		4.0	2.0	ug/L		01/28/20 06:22	01/28/20 18:40	2
Iron	**681**		120	51.1	ug/L		01/28/20 06:22	01/28/20 18:40	2
Lead	**0.95**	**J**	1.2	0.55	ug/L		01/28/20 06:22	01/28/20 18:40	2
Magnesium	**13200**		200	73.7	ug/L		01/28/20 06:22	01/28/20 18:40	2
Manganese	**793**		8.0	2.9	ug/L		01/28/20 06:22	01/28/20 18:40	2
Nickel	**4.3**		4.0	2.4	ug/L		01/28/20 06:22	01/28/20 18:40	2
Potassium	**4680**		200	86.7	ug/L		01/28/20 06:22	01/28/20 18:40	2
Selenium	5.4	U	10.0	5.4	ug/L		01/28/20 06:22	01/28/20 18:40	2
Silver	0.59	U	2.0	0.59	ug/L		01/28/20 06:22	01/28/20 18:40	2
Sodium	**57000**		200	128	ug/L		01/28/20 06:22	01/28/20 18:40	2
Thallium	0.16	U	0.80	0.16	ug/L		01/28/20 06:22	01/28/20 18:40	2
Vanadium	1.1	U	4.0	1.1	ug/L		01/28/20 06:22	01/28/20 18:40	2
Zinc	**16.5**		16.0	11.1	ug/L		01/28/20 06:22	01/28/20 18:40	2

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.59	U	2.0	0.59	ug/L		02/03/20 11:20	02/03/20 15:36	2
Arsenic	0.73	U	2.0	0.73	ug/L		02/03/20 11:20	02/03/20 15:36	2
Barium	**81.2**		4.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:36	2
Beryllium	0.25	U	0.80	0.25	ug/L		02/03/20 11:20	02/03/20 15:36	2
Cadmium	0.81	U	2.0	0.81	ug/L		02/03/20 11:20	02/03/20 15:36	2
Cobalt	**1.6**	**J F1**	4.0	1.6	ug/L		02/03/20 11:20	02/03/20 15:36	2
Chromium	2.3	U	4.0	2.3	ug/L		02/03/20 11:20	02/03/20 15:36	2
Copper	2.0	U	4.0	2.0	ug/L		02/03/20 11:20	02/03/20 15:36	2
Manganese	**866**		8.0	2.9	ug/L		02/03/20 11:20	02/03/20 15:36	2
Nickel	**3.6**	**J**	4.0	2.4	ug/L		02/03/20 11:20	02/03/20 15:36	2
Lead	0.55	U	1.2	0.55	ug/L		02/03/20 11:20	02/03/20 15:36	2
Antimony	0.40	U	2.0	0.40	ug/L		02/03/20 11:20	02/03/20 15:36	2
Selenium	5.4	U	10.0	5.4	ug/L		02/03/20 11:20	02/03/20 15:36	2
Vanadium	1.1	U	4.0	1.1	ug/L		02/03/20 11:20	02/03/20 15:36	2
Zinc	11.1	U	16.0	11.1	ug/L		02/03/20 11:20	02/03/20 15:36	2
Aluminum	18.8	U	40.0	18.8	ug/L		02/03/20 11:20	02/03/20 15:36	2
Sodium	**63000**		200	128	ug/L		02/03/20 11:20	02/03/20 15:36	2
Magnesium	**14700**		200	73.7	ug/L		02/03/20 11:20	02/03/20 15:36	2
Potassium	**5580**		200	86.7	ug/L		02/03/20 11:20	02/03/20 15:36	2
Calcium	**73600**		200	98.8	ug/L		02/03/20 11:20	02/03/20 15:36	2
Iron	51.1	U	120	51.1	ug/L		02/03/20 11:20	02/03/20 15:36	2
Thallium	0.16	U	0.80	0.16	ug/L		02/03/20 11:20	02/03/20 15:36	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:32	01/31/20 13:55	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:39	01/31/20 14:48	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-01_20200127
Date Collected: 01/27/20 11:50
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/30/20 22:34	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/30/20 22:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/30/20 22:34	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 22:34	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/30/20 22:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/30/20 22:34	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/30/20 22:34	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/30/20 22:34	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/30/20 22:34	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/30/20 22:34	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 22:34	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/30/20 22:34	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/30/20 22:34	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/30/20 22:34	1
1,4-Dioxane	28	U	50	28	ug/L			01/30/20 22:34	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/30/20 22:34	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/30/20 22:34	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/30/20 22:34	1
Acetone	4.4	U	5.0	4.4	ug/L			01/30/20 22:34	1
Benzene	0.20	U	1.0	0.20	ug/L			01/30/20 22:34	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/30/20 22:34	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/30/20 22:34	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/30/20 22:34	1
Carbon tetrachloride	0.21	U *	1.0	0.21	ug/L			01/30/20 22:34	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/30/20 22:34	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/30/20 22:34	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/30/20 22:34	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/30/20 22:34	1
Chloroform	**9.0**		1.0	0.33	ug/L			01/30/20 22:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/30/20 22:34	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/30/20 22:34	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/30/20 22:34	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/30/20 22:34	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/30/20 22:34	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/30/20 22:34	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/30/20 22:34	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/30/20 22:34	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/30/20 22:34	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/30/20 22:34	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/30/20 22:34	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/30/20 22:34	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/30/20 22:34	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/30/20 22:34	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/30/20 22:34	1
Styrene	0.42	U	1.0	0.42	ug/L			01/30/20 22:34	1
Tetrachloroethene	**44**		1.0	0.25	ug/L			01/30/20 22:34	1
Toluene	0.38	U	1.0	0.38	ug/L			01/30/20 22:34	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/30/20 22:34	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/30/20 22:34	1

Client Sample ID: MW-01_20200127
Lab Sample ID: 460-201730-1

Date Collected: 01/27/20 11:50
Matrix: Water
Date Received: 01/27/20 19:20

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	**1.7**		1.0	0.31	ug/L			01/30/20 22:34	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/30/20 22:34	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/30/20 22:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*		*01/30/20 22:34*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*01/30/20 22:34*	*1*
Dibromofluoromethane (Surr)	*100*		*72 - 131*		*01/30/20 22:34*	*1*
Toluene-d8 (Surr)	*111*		*80 - 120*		*01/30/20 22:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:35	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/29/20 08:57	01/30/20 05:35	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/29/20 08:57	01/30/20 05:35	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:35	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 05:35	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 05:35	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:35	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/29/20 08:57	01/30/20 05:35	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/29/20 08:57	01/30/20 05:35	1
Acetophenone	2.3	U	10	2.3	ug/L		01/29/20 08:57	01/30/20 05:35	1
Anthracene	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 05:35	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzaldehyde	2.1	U	10	2.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 05:35	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/29/20 08:57	01/30/20 05:35	1

Client Sample ID: MW-01_20200127
Date Collected: 01/27/20 11:50
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/29/20 08:57	01/30/20 05:35	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/29/20 08:57	01/30/20 05:35	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/29/20 08:57	01/30/20 05:35	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/29/20 08:57	01/30/20 05:35	1
Caprolactam	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 05:35	1
Carbazole	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 05:35	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/29/20 08:57	01/30/20 05:35	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/29/20 08:57	01/30/20 05:35	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/29/20 08:57	01/30/20 05:35	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/29/20 08:57	01/30/20 05:35	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 05:35	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/29/20 08:57	01/30/20 05:35	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 05:35	1
Fluorene	0.91	U	10	0.91	ug/L		01/29/20 08:57	01/30/20 05:35	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/29/20 08:57	01/30/20 05:35	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/29/20 08:57	01/30/20 05:35	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/29/20 08:57	01/30/20 05:35	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/29/20 08:57	01/30/20 05:35	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/29/20 08:57	01/30/20 05:35	1
Isophorone	0.80	U	10	0.80	ug/L		01/29/20 08:57	01/30/20 05:35	1
Naphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:35	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/29/20 08:57	01/30/20 05:35	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/29/20 08:57	01/30/20 05:35	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/29/20 08:57	01/30/20 05:35	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/29/20 08:57	01/30/20 05:35	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 05:35	1
Phenol	0.29	U *	10	0.29	ug/L		01/29/20 08:57	01/30/20 05:35	1
Pyrene	1.6	U	10	1.6	ug/L		01/29/20 08:57	01/30/20 05:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*26 - 139*	*01/29/20 08:57*	*01/30/20 05:35*	*1*
2-Fluorobiphenyl	*70*		*45 - 107*	*01/29/20 08:57*	*01/30/20 05:35*	*1*
2-Fluorophenol (Surr)	*48*		*25 - 58*	*01/29/20 08:57*	*01/30/20 05:35*	*1*
Nitrobenzene-d5 (Surr)	*88*		*51 - 108*	*01/29/20 08:57*	*01/30/20 05:35*	*1*
Phenol-d5 (Surr)	*32*		*14 - 39*	*01/29/20 08:57*	*01/30/20 05:35*	*1*
Terphenyl-d14 (Surr)	*90*		*40 - 148*	*01/29/20 08:57*	*01/30/20 05:35*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 09:01	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 09:01	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:01	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:01	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/28/20 15:46	01/29/20 09:01	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:01	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/28/20 15:46	01/29/20 09:01	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 09:01	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:01	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 09:01	1

Client Sample ID: MW-01_20200127

Date Collected: 01/27/20 11:50
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-1

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:01	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 09:01	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:01	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 09:01	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 09:01	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/28/20 15:46	01/29/20 09:01	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:01	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 09:01	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:01	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/28/20 15:46	01/29/20 09:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*41*		*10 - 150*	*01/28/20 15:46*	*01/29/20 09:01*	*1*
DCB Decachlorobiphenyl	*39*		*10 - 150*	*01/28/20 15:46*	*01/29/20 09:01*	*1*
Tetrachloro-m-xylene	*44*		*12 - 136*	*01/28/20 15:46*	*01/29/20 09:01*	*1*
Tetrachloro-m-xylene	*47*		*12 - 136*	*01/28/20 15:46*	*01/29/20 09:01*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:14	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:14	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*35*		*10 - 150*	*01/28/20 15:40*	*01/29/20 14:14*	*1*
DCB Decachlorobiphenyl	*47*		*10 - 150*	*01/28/20 15:40*	*01/29/20 14:14*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**127**		40.0	18.8	ug/L		01/29/20 20:45	02/03/20 10:58	2
Antimony	**1.1**	**J**	2.0	0.40	ug/L		01/29/20 20:45	02/03/20 10:58	2
Arsenic	0.73	U	2.0	0.73	ug/L		01/29/20 20:45	02/03/20 10:58	2
Barium	**102**		4.0	1.2	ug/L		01/29/20 20:45	02/03/20 10:58	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/29/20 20:45	02/03/20 10:58	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/29/20 20:45	02/03/20 10:58	2
Calcium	**68400**		200	98.8	ug/L		01/29/20 20:45	02/03/20 10:58	2
Chromium	2.3	U	4.0	2.3	ug/L		01/29/20 20:45	02/03/20 10:58	2
Cobalt	1.6	U	4.0	1.6	ug/L		01/29/20 20:45	02/03/20 10:58	2
Copper	2.0	U	4.0	2.0	ug/L		01/29/20 20:45	02/03/20 10:58	2
Iron	**258**		120	51.1	ug/L		01/29/20 20:45	02/03/20 10:58	2
Lead	**0.75**	**J**	1.2	0.55	ug/L		01/29/20 20:45	02/03/20 10:58	2
Magnesium	**27400**		200	73.7	ug/L		01/29/20 20:45	02/03/20 10:58	2
Manganese	**538**		8.0	2.9	ug/L		01/29/20 20:45	02/03/20 10:58	2

Client Sample ID: MW-01_20200127
Lab Sample ID: 460-201730-1

Date Collected: 01/27/20 11:50
Matrix: Water
Date Received: 01/27/20 19:20

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	**5.4**		4.0	2.4	ug/L		01/29/20 20:45	02/03/20 10:58	2
Potassium	**6130**		200	86.7	ug/L		01/29/20 20:45	02/03/20 10:58	2
Selenium	5.4	U	10.0	5.4	ug/L		01/29/20 20:45	02/03/20 10:58	2
Silver	0.59	U	2.0	0.59	ug/L		01/29/20 20:45	02/03/20 10:58	2
Sodium	**63700**		200	128	ug/L		01/29/20 20:45	02/03/20 10:58	2
Thallium	0.16	U	0.80	0.16	ug/L		01/29/20 20:45	02/03/20 10:58	2
Vanadium	1.1	U	4.0	1.1	ug/L		01/29/20 20:45	02/03/20 10:58	2
Zinc	11.1	U	16.0	11.1	ug/L		01/29/20 20:45	02/03/20 10:58	2

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.59	U	2.0	0.59	ug/L		02/03/20 11:20	02/03/20 15:41	2
Arsenic	0.73	U	2.0	0.73	ug/L		02/03/20 11:20	02/03/20 15:41	2
Barium	**103**		4.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:41	2
Beryllium	0.25	U	0.80	0.25	ug/L		02/03/20 11:20	02/03/20 15:41	2
Cadmium	0.81	U	2.0	0.81	ug/L		02/03/20 11:20	02/03/20 15:41	2
Cobalt	1.6	U	4.0	1.6	ug/L		02/03/20 11:20	02/03/20 15:41	2
Chromium	2.3	U	4.0	2.3	ug/L		02/03/20 11:20	02/03/20 15:41	2
Copper	2.0	U	4.0	2.0	ug/L		02/03/20 11:20	02/03/20 15:41	2
Manganese	**536**		8.0	2.9	ug/L		02/03/20 11:20	02/03/20 15:41	2
Nickel	**5.0**		4.0	2.4	ug/L		02/03/20 11:20	02/03/20 15:41	2
Lead	0.55	U	1.2	0.55	ug/L		02/03/20 11:20	02/03/20 15:41	2
Antimony	**0.76**	**J**	2.0	0.40	ug/L		02/03/20 11:20	02/03/20 15:41	2
Selenium	5.4	U	10.0	5.4	ug/L		02/03/20 11:20	02/03/20 15:41	2
Vanadium	1.1	U	4.0	1.1	ug/L		02/03/20 11:20	02/03/20 15:41	2
Zinc	11.1	U	16.0	11.1	ug/L		02/03/20 11:20	02/03/20 15:41	2
Aluminum	18.8	U	40.0	18.8	ug/L		02/03/20 11:20	02/03/20 15:41	2
Sodium	**66200**		200	128	ug/L		02/03/20 11:20	02/03/20 15:41	2
Magnesium	**28500**		200	73.7	ug/L		02/03/20 11:20	02/03/20 15:41	2
Potassium	**5990**		200	86.7	ug/L		02/03/20 11:20	02/03/20 15:41	2
Calcium	**86100**		200	98.8	ug/L		02/03/20 11:20	02/03/20 15:41	2
Iron	51.1	U	120	51.1	ug/L		02/03/20 11:20	02/03/20 15:41	2
Thallium	0.16	U	0.80	0.16	ug/L		02/03/20 11:20	02/03/20 15:41	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:32	01/31/20 13:57	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:39	01/31/20 14:50	1

Client Sample ID: MW-04_20200127
Lab Sample ID: 460-201730-2

Date Collected: 01/27/20 16:20
Matrix: Water
Date Received: 01/27/20 19:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/30/20 22:13	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/30/20 22:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/30/20 22:13	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-04_20200127
Date Collected: 01/27/20 16:20
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-2
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 22:13	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/30/20 22:13	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/30/20 22:13	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/30/20 22:13	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/30/20 22:13	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/30/20 22:13	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/30/20 22:13	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 22:13	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/30/20 22:13	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/30/20 22:13	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/30/20 22:13	1
1,4-Dioxane	28	U	50	28	ug/L			01/30/20 22:13	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/30/20 22:13	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/30/20 22:13	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/30/20 22:13	1
Acetone	4.4	U	5.0	4.4	ug/L			01/30/20 22:13	1
Benzene	0.20	U	1.0	0.20	ug/L			01/30/20 22:13	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/30/20 22:13	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/30/20 22:13	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/30/20 22:13	1
Carbon tetrachloride	0.21	U *	1.0	0.21	ug/L			01/30/20 22:13	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/30/20 22:13	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/30/20 22:13	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/30/20 22:13	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/30/20 22:13	1
Chloroform	**2.2**		1.0	0.33	ug/L			01/30/20 22:13	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/30/20 22:13	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/30/20 22:13	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/30/20 22:13	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/30/20 22:13	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/30/20 22:13	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/30/20 22:13	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/30/20 22:13	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/30/20 22:13	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/30/20 22:13	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/30/20 22:13	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/30/20 22:13	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/30/20 22:13	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/30/20 22:13	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/30/20 22:13	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/30/20 22:13	1
Styrene	0.42	U	1.0	0.42	ug/L			01/30/20 22:13	1
Tetrachloroethene	**35**		1.0	0.25	ug/L			01/30/20 22:13	1
Toluene	0.38	U	1.0	0.38	ug/L			01/30/20 22:13	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/30/20 22:13	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/30/20 22:13	1
Trichloroethene	**2.0**		1.0	0.31	ug/L			01/30/20 22:13	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/30/20 22:13	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/30/20 22:13	1

Client Sample ID: MW-04_20200127
Lab Sample ID: 460-201730-2

Date Collected: 01/27/20 16:20
Matrix: Water
Date Received: 01/27/20 19:20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*		*01/30/20 22:13*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*01/30/20 22:13*	*1*
Dibromofluoromethane (Surr)	*98*		*72 - 131*		*01/30/20 22:13*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/30/20 22:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:55	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/29/20 08:57	01/30/20 05:55	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/29/20 08:57	01/30/20 05:55	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:55	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 05:55	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 05:55	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 05:55	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/29/20 08:57	01/30/20 05:55	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/29/20 08:57	01/30/20 05:55	1
Acetophenone	2.3	U	10	2.3	ug/L		01/29/20 08:57	01/30/20 05:55	1
Anthracene	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 05:55	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzaldehyde	2.1	U	10	2.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 05:55	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/29/20 08:57	01/30/20 05:55	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/29/20 08:57	01/30/20 05:55	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/29/20 08:57	01/30/20 05:55	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/29/20 08:57	01/30/20 05:55	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/29/20 08:57	01/30/20 05:55	1
Caprolactam	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 05:55	1

Client Sample ID: MW-04_20200127
Date Collected: 01/27/20 16:20
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Carbazole	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 05:55	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/29/20 08:57	01/30/20 05:55	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/29/20 08:57	01/30/20 05:55	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/29/20 08:57	01/30/20 05:55	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/29/20 08:57	01/30/20 05:55	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 05:55	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/29/20 08:57	01/30/20 05:55	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 05:55	1
Fluorene	0.91	U	10	0.91	ug/L		01/29/20 08:57	01/30/20 05:55	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/29/20 08:57	01/30/20 05:55	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/29/20 08:57	01/30/20 05:55	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/29/20 08:57	01/30/20 05:55	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/29/20 08:57	01/30/20 05:55	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/29/20 08:57	01/30/20 05:55	1
Isophorone	0.80	U	10	0.80	ug/L		01/29/20 08:57	01/30/20 05:55	1
Naphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 05:55	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/29/20 08:57	01/30/20 05:55	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/29/20 08:57	01/30/20 05:55	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/29/20 08:57	01/30/20 05:55	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/29/20 08:57	01/30/20 05:55	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 05:55	1
Phenol	0.29	U *	10	0.29	ug/L		01/29/20 08:57	01/30/20 05:55	1
Pyrene	1.6	U	10	1.6	ug/L		01/29/20 08:57	01/30/20 05:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*87*		*26 - 139*	*01/29/20 08:57*	*01/30/20 05:55*	*1*
2-Fluorobiphenyl	*78*		*45 - 107*	*01/29/20 08:57*	*01/30/20 05:55*	*1*
2-Fluorophenol (Surr)	*46*		*25 - 58*	*01/29/20 08:57*	*01/30/20 05:55*	*1*
Nitrobenzene-d5 (Surr)	*92*		*51 - 108*	*01/29/20 08:57*	*01/30/20 05:55*	*1*
Phenol-d5 (Surr)	*31*		*14 - 39*	*01/29/20 08:57*	*01/30/20 05:55*	*1*
Terphenyl-d14 (Surr)	*89*		*40 - 148*	*01/29/20 08:57*	*01/30/20 05:55*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 09:15	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 09:15	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:15	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:15	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/28/20 15:46	01/29/20 09:15	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:15	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/28/20 15:46	01/29/20 09:15	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 09:15	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 09:15	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 09:15	1

Client Sample ID: MW-04_20200127

Date Collected: 01/27/20 16:20
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-2

Matrix: Water

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/28/20 15:46	01/29/20 09:15	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 09:15	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 09:15	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 09:15	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/28/20 15:46	01/29/20 09:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*39*		*10 - 150*	*01/28/20 15:46*	*01/29/20 09:15*	*1*
DCB Decachlorobiphenyl	*38*		*10 - 150*	*01/28/20 15:46*	*01/29/20 09:15*	*1*
Tetrachloro-m-xylene	*61*		*12 - 136*	*01/28/20 15:46*	*01/29/20 09:15*	*1*
Tetrachloro-m-xylene	*64*		*12 - 136*	*01/28/20 15:46*	*01/29/20 09:15*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:32	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 14:32	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 14:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*26*		*10 - 150*	*01/28/20 15:40*	*01/29/20 14:32*	*1*
DCB Decachlorobiphenyl	*34*		*10 - 150*	*01/28/20 15:40*	*01/29/20 14:32*	*1*

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**36.3**	**J**	40.0	18.8	ug/L		01/29/20 20:45	02/03/20 11:00	2
Antimony	0.40	U	2.0	0.40	ug/L		01/29/20 20:45	02/03/20 11:00	2
Arsenic	0.73	U	2.0	0.73	ug/L		01/29/20 20:45	02/03/20 11:00	2
Barium	**93.4**		4.0	1.2	ug/L		01/29/20 20:45	02/03/20 11:00	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/29/20 20:45	02/03/20 11:00	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/29/20 20:45	02/03/20 11:00	2
Calcium	**62300**		200	98.8	ug/L		01/29/20 20:45	02/03/20 11:00	2
Chromium	2.3	U	4.0	2.3	ug/L		01/29/20 20:45	02/03/20 11:00	2
Cobalt	1.6	U	4.0	1.6	ug/L		01/29/20 20:45	02/03/20 11:00	2
Copper	**2.3**	**J**	4.0	2.0	ug/L		01/29/20 20:45	02/03/20 11:00	2
Iron	**62.8**	**J**	120	51.1	ug/L		01/29/20 20:45	02/03/20 11:00	2
Lead	**0.63**	**J**	1.2	0.55	ug/L		01/29/20 20:45	02/03/20 11:00	2
Magnesium	**21100**		200	73.7	ug/L		01/29/20 20:45	02/03/20 11:00	2
Manganese	**407**		8.0	2.9	ug/L		01/29/20 20:45	02/03/20 11:00	2
Nickel	**4.0**		4.0	2.4	ug/L		01/29/20 20:45	02/03/20 11:00	2
Potassium	**4630**		200	86.7	ug/L		01/29/20 20:45	02/03/20 11:00	2
Selenium	5.4	U	10.0	5.4	ug/L		01/29/20 20:45	02/03/20 11:00	2
Silver	0.59	U	2.0	0.59	ug/L		01/29/20 20:45	02/03/20 11:00	2
Sodium	**116000**		200	128	ug/L		01/29/20 20:45	02/03/20 11:00	2

Client Sample ID: MW-04_20200127
Lab Sample ID: 460-201730-2
Date Collected: 01/27/20 16:20
Matrix: Water
Date Received: 01/27/20 19:20

Method: 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.16	U	0.80	0.16	ug/L		01/29/20 20:45	02/03/20 11:00	2
Vanadium	**1.4**	**J**	4.0	1.1	ug/L		01/29/20 20:45	02/03/20 11:00	2
Zinc	11.1	U	16.0	11.1	ug/L		01/29/20 20:45	02/03/20 11:00	2

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.59	U	2.0	0.59	ug/L		02/03/20 11:20	02/03/20 15:43	2
Arsenic	0.73	U	2.0	0.73	ug/L		02/03/20 11:20	02/03/20 15:43	2
Barium	**96.4**		4.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:43	2
Beryllium	0.25	U	0.80	0.25	ug/L		02/03/20 11:20	02/03/20 15:43	2
Cadmium	0.81	U	2.0	0.81	ug/L		02/03/20 11:20	02/03/20 15:43	2
Cobalt	1.6	U	4.0	1.6	ug/L		02/03/20 11:20	02/03/20 15:43	2
Chromium	2.3	U	4.0	2.3	ug/L		02/03/20 11:20	02/03/20 15:43	2
Copper	2.0	U	4.0	2.0	ug/L		02/03/20 11:20	02/03/20 15:43	2
Manganese	**426**		8.0	2.9	ug/L		02/03/20 11:20	02/03/20 15:43	2
Nickel	**3.7**	**J**	4.0	2.4	ug/L		02/03/20 11:20	02/03/20 15:43	2
Lead	0.55	U	1.2	0.55	ug/L		02/03/20 11:20	02/03/20 15:43	2
Antimony	0.40	U	2.0	0.40	ug/L		02/03/20 11:20	02/03/20 15:43	2
Selenium	5.4	U	10.0	5.4	ug/L		02/03/20 11:20	02/03/20 15:43	2
Vanadium	**1.3**	**J**	4.0	1.1	ug/L		02/03/20 11:20	02/03/20 15:43	2
Zinc	11.1	U	16.0	11.1	ug/L		02/03/20 11:20	02/03/20 15:43	2
Aluminum	18.8	U	40.0	18.8	ug/L		02/03/20 11:20	02/03/20 15:43	2
Sodium	**118000**		200	128	ug/L		02/03/20 11:20	02/03/20 15:43	2
Magnesium	**21500**		200	73.7	ug/L		02/03/20 11:20	02/03/20 15:43	2
Potassium	**4770**		200	86.7	ug/L		02/03/20 11:20	02/03/20 15:43	2
Calcium	**72900**		200	98.8	ug/L		02/03/20 11:20	02/03/20 15:43	2
Iron	51.1	U	120	51.1	ug/L		02/03/20 11:20	02/03/20 15:43	2
Thallium	0.16	U	0.80	0.16	ug/L		02/03/20 11:20	02/03/20 15:43	2

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:32	01/31/20 13:58	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:39	01/31/20 14:52	1

Client Sample ID: TB-01_20200127
Lab Sample ID: 460-201730-3
Date Collected: 01/27/20 09:00
Matrix: Water
Date Received: 01/27/20 19:20

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/30/20 10:34	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/30/20 10:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/30/20 10:34	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 10:34	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/30/20 10:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/30/20 10:34	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/30/20 10:34	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/30/20 10:34	1

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: TB-01_20200127
Date Collected: 01/27/20 09:00
Date Received: 01/27/20 19:20

Lab Sample ID: 460-201730-3
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/30/20 10:34	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/30/20 10:34	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 10:34	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/30/20 10:34	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/30/20 10:34	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/30/20 10:34	1
1,4-Dioxane	28	U	50	28	ug/L			01/30/20 10:34	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/30/20 10:34	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/30/20 10:34	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/30/20 10:34	1
Acetone	4.4	U	5.0	4.4	ug/L			01/30/20 10:34	1
Benzene	0.20	U *	1.0	0.20	ug/L			01/30/20 10:34	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/30/20 10:34	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/30/20 10:34	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/30/20 10:34	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/30/20 10:34	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/30/20 10:34	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/30/20 10:34	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/30/20 10:34	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/30/20 10:34	1
Chloroform	**1.1**		1.0	0.33	ug/L			01/30/20 10:34	1
Chloromethane	0.40	U *	1.0	0.40	ug/L			01/30/20 10:34	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/30/20 10:34	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/30/20 10:34	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/30/20 10:34	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/30/20 10:34	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/30/20 10:34	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/30/20 10:34	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/30/20 10:34	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/30/20 10:34	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/30/20 10:34	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/30/20 10:34	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/30/20 10:34	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/30/20 10:34	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/30/20 10:34	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/30/20 10:34	1
Styrene	0.42	U	1.0	0.42	ug/L			01/30/20 10:34	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/30/20 10:34	1
Toluene	0.38	U	1.0	0.38	ug/L			01/30/20 10:34	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/30/20 10:34	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/30/20 10:34	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/30/20 10:34	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/30/20 10:34	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/30/20 10:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*		*01/30/20 10:34*	*1*
4-Bromofluorobenzene	*92*		*77 - 124*		*01/30/20 10:34*	*1*
Dibromofluoromethane (Surr)	*97*		*72 - 131*		*01/30/20 10:34*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*01/30/20 10:34*	*1*

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: TB-01_20200128
Date Collected: 01/28/20 08:00
Date Received: 01/28/20 18:40

Lab Sample ID: 460-201818-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/31/20 13:14	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/31/20 13:14	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/31/20 13:14	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 13:14	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/31/20 13:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/31/20 13:14	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/31/20 13:14	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/31/20 13:14	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/31/20 13:14	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/31/20 13:14	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 13:14	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/31/20 13:14	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/31/20 13:14	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/31/20 13:14	1
1,4-Dioxane	28	U	50	28	ug/L			01/31/20 13:14	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/31/20 13:14	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/31/20 13:14	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/31/20 13:14	1
Acetone	4.4	U	5.0	4.4	ug/L			01/31/20 13:14	1
Benzene	0.20	U	1.0	0.20	ug/L			01/31/20 13:14	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/31/20 13:14	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/31/20 13:14	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/31/20 13:14	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/31/20 13:14	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/31/20 13:14	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/31/20 13:14	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/31/20 13:14	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/31/20 13:14	1
Chloroform	**0.97**	**J**	1.0	0.33	ug/L			01/31/20 13:14	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/31/20 13:14	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/31/20 13:14	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/31/20 13:14	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/31/20 13:14	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/31/20 13:14	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/31/20 13:14	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/31/20 13:14	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/31/20 13:14	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/31/20 13:14	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/31/20 13:14	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/31/20 13:14	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/31/20 13:14	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/31/20 13:14	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/31/20 13:14	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/31/20 13:14	1
Styrene	0.42	U	1.0	0.42	ug/L			01/31/20 13:14	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/31/20 13:14	1
Toluene	0.38	U	1.0	0.38	ug/L			01/31/20 13:14	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/31/20 13:14	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/31/20 13:14	1

Client Sample ID: TB-01_20200128

Lab Sample ID: 460-201818-1

Date Collected: 01/28/20 08:00
Matrix: Water
Date Received: 01/28/20 18:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/31/20 13:14	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/31/20 13:14	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/31/20 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*74 - 132*		*01/31/20 13:14*	*1*
4-Bromofluorobenzene	*97*		*77 - 124*		*01/31/20 13:14*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*01/31/20 13:14*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/31/20 13:14*	*1*

Client Sample ID: MW-03_20200128

Lab Sample ID: 460-201818-2

Date Collected: 01/28/20 09:40
Matrix: Water
Date Received: 01/28/20 18:40

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/31/20 18:01	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/31/20 18:01	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/31/20 18:01	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 18:01	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/31/20 18:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/31/20 18:01	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/31/20 18:01	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/31/20 18:01	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/31/20 18:01	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/31/20 18:01	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 18:01	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/31/20 18:01	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/31/20 18:01	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/31/20 18:01	1
1,4-Dioxane	28	U	50	28	ug/L			01/31/20 18:01	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/31/20 18:01	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/31/20 18:01	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/31/20 18:01	1
Acetone	4.4	U	5.0	4.4	ug/L			01/31/20 18:01	1
Benzene	0.20	U	1.0	0.20	ug/L			01/31/20 18:01	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/31/20 18:01	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/31/20 18:01	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/31/20 18:01	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/31/20 18:01	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/31/20 18:01	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/31/20 18:01	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/31/20 18:01	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/31/20 18:01	1
Chloroform	**14**		1.0	0.33	ug/L			01/31/20 18:01	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/31/20 18:01	1
cis-1,2-Dichloroethene	**0.92**	**J**	1.0	0.22	ug/L			01/31/20 18:01	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/31/20 18:01	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/31/20 18:01	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/31/20 18:01	1

Client Sample ID: MW-03_20200128
Lab Sample ID: 460-201818-2
Date Collected: 01/28/20 09:40
Matrix: Water
Date Received: 01/28/20 18:40

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/31/20 18:01	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/31/20 18:01	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/31/20 18:01	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/31/20 18:01	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/31/20 18:01	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/31/20 18:01	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/31/20 18:01	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/31/20 18:01	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/31/20 18:01	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/31/20 18:01	1
Styrene	0.42	U	1.0	0.42	ug/L			01/31/20 18:01	1
Tetrachloroethene	**22**		1.0	0.25	ug/L			01/31/20 18:01	1
Toluene	0.38	U	1.0	0.38	ug/L			01/31/20 18:01	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/31/20 18:01	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/31/20 18:01	1
Trichloroethene	**1.9**		1.0	0.31	ug/L			01/31/20 18:01	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/31/20 18:01	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/31/20 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*01/31/20 18:01*	*1*
4-Bromofluorobenzene	*96*		*77 - 124*		*01/31/20 18:01*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*01/31/20 18:01*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/31/20 18:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/31/20 08:46	02/01/20 05:07	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/31/20 08:46	02/01/20 05:07	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/31/20 08:46	02/01/20 05:07	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/31/20 08:46	02/01/20 05:07	1
3,3'-Dichlorobenzidine	1.4	U *	10	1.4	ug/L		01/31/20 08:46	02/01/20 05:07	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/31/20 08:46	02/01/20 05:07	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Chloroaniline	1.9	U *	10	1.9	ug/L		01/31/20 08:46	02/01/20 05:07	1

Client Sample ID: MW-03_20200128
Date Collected: 01/28/20 09:40
Date Received: 01/28/20 18:40

Lab Sample ID: 460-201818-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/31/20 08:46	02/01/20 05:07	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/31/20 08:46	02/01/20 05:07	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/31/20 08:46	02/01/20 05:07	1
Acetophenone	2.3	U	10	2.3	ug/L		01/31/20 08:46	02/01/20 05:07	1
Anthracene	0.63	U	10	0.63	ug/L		01/31/20 08:46	02/01/20 05:07	1
Atrazine	1.3	U *	2.0	1.3	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzaldehyde	2.1	U *	10	2.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/31/20 08:46	02/01/20 05:07	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/31/20 08:46	02/01/20 05:07	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/31/20 08:46	02/01/20 05:07	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/31/20 08:46	02/01/20 05:07	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/31/20 08:46	02/01/20 05:07	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/31/20 08:46	02/01/20 05:07	1
Caprolactam	0.68	U *	10	0.68	ug/L		01/31/20 08:46	02/01/20 05:07	1
Carbazole	0.68	U	10	0.68	ug/L		01/31/20 08:46	02/01/20 05:07	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/31/20 08:46	02/01/20 05:07	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/31/20 08:46	02/01/20 05:07	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/31/20 08:46	02/01/20 05:07	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/31/20 08:46	02/01/20 05:07	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/31/20 08:46	02/01/20 05:07	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/31/20 08:46	02/01/20 05:07	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/31/20 08:46	02/01/20 05:07	1
Fluorene	0.91	U	10	0.91	ug/L		01/31/20 08:46	02/01/20 05:07	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/31/20 08:46	02/01/20 05:07	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/31/20 08:46	02/01/20 05:07	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/31/20 08:46	02/01/20 05:07	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/31/20 08:46	02/01/20 05:07	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/31/20 08:46	02/01/20 05:07	1
Isophorone	0.80	U	10	0.80	ug/L		01/31/20 08:46	02/01/20 05:07	1
Naphthalene	1.1	U	10	1.1	ug/L		01/31/20 08:46	02/01/20 05:07	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/31/20 08:46	02/01/20 05:07	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/31/20 08:46	02/01/20 05:07	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/31/20 08:46	02/01/20 05:07	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/31/20 08:46	02/01/20 05:07	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/31/20 08:46	02/01/20 05:07	1
Phenol	0.29	U *	10	0.29	ug/L		01/31/20 08:46	02/01/20 05:07	1
Pyrene	1.6	U	10	1.6	ug/L		01/31/20 08:46	02/01/20 05:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*99*		*26 - 139*	*01/31/20 08:46*	*02/01/20 05:07*	*1*
2-Fluorobiphenyl	*90*		*45 - 107*	*01/31/20 08:46*	*02/01/20 05:07*	*1*
2-Fluorophenol (Surr)	*51*		*25 - 58*	*01/31/20 08:46*	*02/01/20 05:07*	*1*
Nitrobenzene-d5 (Surr)	*95*		*51 - 108*	*01/31/20 08:46*	*02/01/20 05:07*	*1*

Client Sample ID: MW-03_20200128
Date Collected: 01/28/20 09:40
Date Received: 01/28/20 18:40

Lab Sample ID: 460-201818-2
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Phenol-d5 (Surr)	*34*		*14 - 39*	*01/31/20 08:46*	*02/01/20 05:07*	*1*
Terphenyl-d14 (Surr)	*107*		*40 - 148*	*01/31/20 08:46*	*02/01/20 05:07*	*1*

Method: 8081B - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 07:41	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 07:41	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 07:41	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 07:41	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/30/20 15:53	01/31/20 07:41	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 07:41	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/30/20 15:53	01/31/20 07:41	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 07:41	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 07:41	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 07:41	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/30/20 15:53	01/31/20 07:41	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 07:41	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 07:41	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 07:41	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/30/20 15:53	01/31/20 07:41	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*51*		*10 - 150*	*01/30/20 15:53*	*01/31/20 07:41*	*1*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*01/30/20 15:53*	*01/31/20 07:41*	*1*
Tetrachloro-m-xylene	*41*		*12 - 136*	*01/30/20 15:53*	*01/31/20 07:41*	*1*
Tetrachloro-m-xylene	*46*		*12 - 136*	*01/30/20 15:53*	*01/31/20 07:41*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 03:02	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 03:02	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 03:02	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	*22*		*10 - 150*	*01/30/20 15:50*	*02/01/20 03:02*	*1*
DCB Decachlorobiphenyl	*28*		*10 - 150*	*01/30/20 15:50*	*02/01/20 03:02*	*1*

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: MW-03_20200128
Lab Sample ID: 460-201818-2
Date Collected: 01/28/20 09:40
Matrix: Water
Date Received: 01/28/20 18:40

Method: 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**178**		40.0	18.8	ug/L		01/29/20 20:45	02/03/20 11:03	2
Antimony	0.40	U	2.0	0.40	ug/L		01/29/20 20:45	02/03/20 11:03	2
Arsenic	0.73	U	2.0	0.73	ug/L		01/29/20 20:45	02/03/20 11:03	2
Barium	**59.8**		4.0	1.2	ug/L		01/29/20 20:45	02/03/20 11:03	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/29/20 20:45	02/03/20 11:03	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/29/20 20:45	02/03/20 11:03	2
Calcium	**62800**		200	98.8	ug/L		01/29/20 20:45	02/03/20 11:03	2
Chromium	**2.3**	**J**	4.0	2.3	ug/L		01/29/20 20:45	02/03/20 11:03	2
Cobalt	1.6	U	4.0	1.6	ug/L		01/29/20 20:45	02/03/20 11:03	2
Copper	**3.0**	**J**	4.0	2.0	ug/L		01/29/20 20:45	02/03/20 11:03	2
Iron	**422**		120	51.1	ug/L		01/29/20 20:45	02/03/20 11:03	2
Lead	0.55	U	1.2	0.55	ug/L		01/29/20 20:45	02/03/20 11:03	2
Magnesium	**19800**		200	73.7	ug/L		01/29/20 20:45	02/03/20 11:03	2
Manganese	**537**		8.0	2.9	ug/L		01/29/20 20:45	02/03/20 11:03	2
Nickel	**4.5**		4.0	2.4	ug/L		01/29/20 20:45	02/03/20 11:03	2
Potassium	**3640**		200	86.7	ug/L		01/29/20 20:45	02/03/20 11:03	2
Selenium	5.4	U	10.0	5.4	ug/L		01/29/20 20:45	02/03/20 11:03	2
Silver	0.59	U	2.0	0.59	ug/L		01/29/20 20:45	02/03/20 11:03	2
Sodium	**84700**		200	128	ug/L		01/29/20 20:45	02/03/20 11:03	2
Thallium	0.16	U	0.80	0.16	ug/L		01/29/20 20:45	02/03/20 11:03	2
Vanadium	1.1	U	4.0	1.1	ug/L		01/29/20 20:45	02/03/20 11:03	2
Zinc	11.1	U	16.0	11.1	ug/L		01/29/20 20:45	02/03/20 11:03	2

Method: 6020B - Metals (ICP/MS) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.59	U	2.0	0.59	ug/L		02/03/20 11:20	02/03/20 15:46	2
Arsenic	0.73	U	2.0	0.73	ug/L		02/03/20 11:20	02/03/20 15:46	2
Barium	**59.2**		4.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:46	2
Beryllium	0.25	U	0.80	0.25	ug/L		02/03/20 11:20	02/03/20 15:46	2
Cadmium	0.81	U	2.0	0.81	ug/L		02/03/20 11:20	02/03/20 15:46	2
Cobalt	1.6	U	4.0	1.6	ug/L		02/03/20 11:20	02/03/20 15:46	2
Chromium	2.3	U	4.0	2.3	ug/L		02/03/20 11:20	02/03/20 15:46	2
Copper	2.0	U	4.0	2.0	ug/L		02/03/20 11:20	02/03/20 15:46	2
Manganese	**488**		8.0	2.9	ug/L		02/03/20 11:20	02/03/20 15:46	2
Nickel	**3.1**	**J**	4.0	2.4	ug/L		02/03/20 11:20	02/03/20 15:46	2
Lead	0.55	U	1.2	0.55	ug/L		02/03/20 11:20	02/03/20 15:46	2
Antimony	0.40	U	2.0	0.40	ug/L		02/03/20 11:20	02/03/20 15:46	2
Selenium	5.4	U	10.0	5.4	ug/L		02/03/20 11:20	02/03/20 15:46	2
Vanadium	1.1	U	4.0	1.1	ug/L		02/03/20 11:20	02/03/20 15:46	2
Zinc	11.1	U	16.0	11.1	ug/L		02/03/20 11:20	02/03/20 15:46	2
Aluminum	18.8	U	40.0	18.8	ug/L		02/03/20 11:20	02/03/20 15:46	2
Sodium	**85400**		200	128	ug/L		02/03/20 11:20	02/03/20 15:46	2
Magnesium	**20400**		200	73.7	ug/L		02/03/20 11:20	02/03/20 15:46	2
Potassium	**3560**		200	86.7	ug/L		02/03/20 11:20	02/03/20 15:46	2
Calcium	**65900**		200	98.8	ug/L		02/03/20 11:20	02/03/20 15:46	2
Iron	51.1	U	120	51.1	ug/L		02/03/20 11:20	02/03/20 15:46	2
Thallium	0.16	U	0.80	0.16	ug/L		02/03/20 11:20	02/03/20 15:46	2

Client Sample Results

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-03_20200128

Date Collected: 01/28/20 09:40
Date Received: 01/28/20 18:40

Lab Sample ID: 460-201818-2

Matrix: Water

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:32	01/31/20 14:05	1

Method: 7470A - Mercury (CVAA) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:39	01/31/20 14:53	1

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCA (74-132)	BFB (77-124)	DBFM (72-131)	TOL (80-120)
460-201595-1	MW-02_20200124	95	98	95	95
460-201730-1	MW-01_20200127	111	91	100	111
460-201730-2	MW-04_20200127	111	92	98	108
460-201730-3	TB-01_20200127	111	92	97	110
460-201818-1	TB-01_20200128	93	97	95	93
460-201818-2	MW-03_20200128	94	96	95	95
LCS 460-671435/4	Lab Control Sample	91	99	94	94
LCS 460-671715/5	Lab Control Sample	111	92	99	108
LCS 460-671886/4	Lab Control Sample	112	91	99	107
LCS 460-672017/4	Lab Control Sample	94	101	98	93
LCSD 460-671435/5	Lab Control Sample Dup	91	98	96	93
LCSD 460-671715/22	Lab Control Sample Dup	110	92	100	108
LCSD 460-671886/5	Lab Control Sample Dup	112	91	99	108
LCSD 460-672017/5	Lab Control Sample Dup	91	100	95	95
MB 460-671435/8	Method Blank	95	98	95	96
MB 460-671715/8	Method Blank	109	91	99	108
MB 460-671886/8	Method Blank	110	91	97	110
MB 460-672017/8	Method Blank	94	97	95	93

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water — **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (26-139)	FBP (45-107)	2FP (25-58)	NBZ (51-108)	PHL (14-39)	TPHL (40-148)
460-201595-1	MW-02_20200124	99	91	61 X	103	43 X	105
460-201730-1	MW-01_20200127	82	70	48	88	32	90
460-201730-2	MW-04_20200127	87	78	46	92	31	89
460-201818-2	MW-03_20200128	99	90	51	95	34	107
460-201820-D-3-A MS	Matrix Spike	110	94	51	96	34	113
460-201820-E-3-A MSD	Matrix Spike Duplicate	121	103	53	105	35	126
LCS 460-670779/2-A	Lab Control Sample	110	96	64 X	107	44 X	110
LCS 460-670779/4-A	Lab Control Sample	104	100	69 X	109 X	49 X	112
LCS 460-671501/2-A	Lab Control Sample	83	77	53	83	37	87
LCS 460-671501/4-A	Lab Control Sample	69	72	45	81	34	83
LCS 460-672063/2-A	Lab Control Sample	116	97	60 X	98	43 X	123
LCS 460-672063/4-A	Lab Control Sample	134	117 X	70 X	125 X	44 X	154 X
LCSD 460-670779/3-A	Lab Control Sample Dup	108	98	64 X	106	45 X	112
LCSD 460-670779/5-A	Lab Control Sample Dup	154 X	138 X	98 X	155 X	70 X	164 X
LCSD 460-671501/3-A	Lab Control Sample Dup	82	75	52	85	37	86
LCSD 460-671501/5-A	Lab Control Sample Dup	66	75	9 X	85	3 X	90
LCSD 460-672063/5-A	Lab Control Sample Dup	149 X	133 X	83 X	138 X	58 X	171 X
MB 460-670779/1-A	Method Blank	72	84	43	95	36	92
MB 460-671501/1-A	Method Blank	79	77	51	89	36	89

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
Lab Sample ID	Client Sample ID	TBP (26-139)	FBP (45-107)	2FP (25-58)	NBZ (51-108)	PHL (14-39)	TPHL (40-148)
MB 460-672063/1-A	Method Blank	101	91	57	96	41 X	121

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

Method: 8081B - Organochlorine Pesticides (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)	TCX1 (12-136)	TCX2 (12-136)
460-201595-1	MW-02_20200124	82	65	76	74
460-201730-1	MW-01_20200127	41	39	44	47
460-201730-2	MW-04_20200127	39	38	61	64
460-201818-2	MW-03_20200128	51	48	41	46
LB 460-671307/6-A	Method Blank	49	47	31	32
LCS 460-670833/2-A	Lab Control Sample	77	76	69	76
LCS 460-671307/2-A	Lab Control Sample	35	33	37	44
LCS 460-671865/2-A	Lab Control Sample	36	33	39	43
LCSD 460-670833/3-A	Lab Control Sample Dup	78	77	67	76
LCSD 460-671307/3-A	Lab Control Sample Dup	42	41	38	43
LCSD 460-671865/3-A	Lab Control Sample Dup	41	41	37	43
MB 460-670833/1-A	Method Blank	84	73	74	75
MB 460-671307/1-A	Method Blank	84	83	73	82
MB 460-671865/1-A	Method Blank	59	56	43	47

Surrogate Legend

DCBP = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)
460-201595-1	MW-02_20200124	90	99
460-201730-1	MW-01_20200127	35	47
460-201730-2	MW-04_20200127	26	34
460-201818-2	MW-03_20200128	22	28
LCS 460-670835/2-A	Lab Control Sample	92	96
LCS 460-671306/2-A	Lab Control Sample	74	93
LCS 460-671864/2-A	Lab Control Sample	67	88
LCSD 460-670835/3-A	Lab Control Sample Dup	91	95
LCSD 460-671306/3-A	Lab Control Sample Dup	74	101
LCSD 460-671864/3-A	Lab Control Sample Dup	70	92
MB 460-670835/1-A	Method Blank	117	121

Surrogate Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)									
Lab Sample ID	Client Sample ID	DCBP1 (10-150)	DCBP2 (10-150)								
MB 460-671306/1-A	Method Blank	37	48								
MB 460-671864/1-A	Method Blank	48	50								

Surrogate Legend

DCBP = DCB Decachlorobiphenyl

Isotope Dilution Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-150)
460-201595-1	MW-02_20200124	57
MB 460-672071/1-A	Method Blank	52

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Matrix: Water **Prep Type: Total/NA**

		Percent Isotope Dilution Recovery (Acceptance Limits)
Lab Sample ID	Client Sample ID	DXE (10-200)
LCS 460-672071/2-A	Lab Control Sample	51
LCSD 460-672071/3-A	Lab Control Sample Dup	63

Surrogate Legend

DXE = 1,4-Dioxane-d8

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-671435/8
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/29/20 10:36	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/29/20 10:36	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/29/20 10:36	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 10:36	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/29/20 10:36	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/29/20 10:36	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/29/20 10:36	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/29/20 10:36	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/29/20 10:36	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/29/20 10:36	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/29/20 10:36	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/29/20 10:36	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/29/20 10:36	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/29/20 10:36	1
1,4-Dioxane	28	U	50	28	ug/L			01/29/20 10:36	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/29/20 10:36	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/29/20 10:36	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/29/20 10:36	1
Acetone	4.4	U	5.0	4.4	ug/L			01/29/20 10:36	1
Benzene	0.20	U	1.0	0.20	ug/L			01/29/20 10:36	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/29/20 10:36	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/29/20 10:36	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/29/20 10:36	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/29/20 10:36	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/29/20 10:36	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/29/20 10:36	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/29/20 10:36	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/29/20 10:36	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/29/20 10:36	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/29/20 10:36	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/29/20 10:36	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/29/20 10:36	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/29/20 10:36	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/29/20 10:36	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/29/20 10:36	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/29/20 10:36	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/29/20 10:36	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/29/20 10:36	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/29/20 10:36	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/29/20 10:36	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/29/20 10:36	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/29/20 10:36	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/29/20 10:36	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/29/20 10:36	1
Styrene	0.42	U	1.0	0.42	ug/L			01/29/20 10:36	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/29/20 10:36	1
Toluene	0.38	U	1.0	0.38	ug/L			01/29/20 10:36	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/29/20 10:36	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671435/8
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/29/20 10:36	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/29/20 10:36	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/29/20 10:36	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/29/20 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*74 - 132*		*01/29/20 10:36*	*1*
4-Bromofluorobenzene	*98*		*77 - 124*		*01/29/20 10:36*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*01/29/20 10:36*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/29/20 10:36*	*1*

Lab Sample ID: LCS 460-671435/4
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.4		ug/L		107	75 - 125
1,1,2,2-Tetrachloroethane	20.0	21.5		ug/L		107	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroetha ne	20.0	20.5		ug/L		102	59 - 150
1,1,2-Trichloroethane	20.0	21.7		ug/L		109	78 - 120
1,1-Dichloroethane	20.0	21.8		ug/L		109	77 - 123
1,1-Dichloroethene	20.0	22.7		ug/L		114	74 - 123
1,2,3-Trichlorobenzene	20.0	21.9		ug/L		109	78 - 131
1,2,4-Trichlorobenzene	20.0	21.8		ug/L		109	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.9		ug/L		95	55 - 134
1,2-Dichlorobenzene	20.0	22.3		ug/L		111	80 - 120
1,2-Dichloroethane	20.0	20.4		ug/L		102	76 - 121
1,2-Dichloropropane	20.0	22.5		ug/L		113	77 - 123
1,3-Dichlorobenzene	20.0	22.1		ug/L		111	80 - 120
1,4-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,4-Dioxane	400	515		ug/L		129	10 - 150
2-Butanone (MEK)	100	105		ug/L		105	64 - 120
2-Hexanone	100	112		ug/L		112	71 - 125
4-Methyl-2-pentanone (MIBK)	100	112		ug/L		112	78 - 124
Acetone	100	103		ug/L		103	39 - 150
Benzene	20.0	21.2		ug/L		106	77 - 121
Bromoform	20.0	20.6		ug/L		103	53 - 120
Bromomethane	20.0	18.8		ug/L		94	10 - 150
Carbon disulfide	20.0	20.5		ug/L		103	69 - 133
Carbon tetrachloride	20.0	20.5		ug/L		102	70 - 132
Chlorobenzene	20.0	21.6		ug/L		108	80 - 120
Chlorobromomethane	20.0	23.1		ug/L		115	77 - 127
Chlorodibromomethane	20.0	21.3		ug/L		106	73 - 120
Chloroethane	20.0	25.4		ug/L		127	52 - 150
Chloroform	20.0	20.3		ug/L		101	80 - 120
Chloromethane	20.0	20.5		ug/L		103	56 - 131
cis-1,2-Dichloroethene	20.0	22.4		ug/L		112	80 - 120
cis-1,3-Dichloropropene	20.0	20.8		ug/L		104	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671435/4
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	20.0	20.2		ug/L		101	56 - 150
Dichlorobromomethane	20.0	21.9		ug/L		109	76 - 120
Dichlorodifluoromethane	20.0	18.0		ug/L		90	50 - 131
Ethylbenzene	20.0	22.0		ug/L		110	80 - 120
Ethylene Dibromide	20.0	22.2		ug/L		111	80 - 120
Isopropylbenzene	20.0	22.2		ug/L		111	80 - 123
Methyl acetate	40.0	40.7		ug/L		102	66 - 144
Methyl tert-butyl ether	20.0	22.1		ug/L		111	79 - 122
Methylcyclohexane	20.0	19.9		ug/L		100	61 - 145
Methylene Chloride	20.0	21.9		ug/L		109	77 - 123
m-Xylene & p-Xylene	20.0	22.5		ug/L		112	80 - 120
o-Xylene	20.0	22.1		ug/L		110	80 - 120
Styrene	20.0	23.1		ug/L		115	80 - 120
Tetrachloroethene	20.0	22.3		ug/L		112	78 - 122
Toluene	20.0	20.6		ug/L		103	80 - 120
trans-1,2-Dichloroethene	20.0	22.5		ug/L		113	79 - 120
trans-1,3-Dichloropropene	20.0	21.1		ug/L		106	76 - 120
Trichloroethene	20.0	22.0		ug/L		110	77 - 120
Trichlorofluoromethane	20.0	22.0		ug/L		110	71 - 143
Vinyl chloride	20.0	21.6		ug/L		108	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*
4-Bromofluorobenzene	*99*		*77 - 124*
Dibromofluoromethane (Surr)	*94*		*72 - 131*
Toluene-d8 (Surr)	*94*		*80 - 120*

Lab Sample ID: LCSD 460-671435/5
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.9		ug/L		99	75 - 125	7	30
1,1,2,2-Tetrachloroethane	20.0	20.9		ug/L		104	74 - 120	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	18.1		ug/L		91	59 - 150	12	30
1,1,2-Trichloroethane	20.0	21.4		ug/L		107	78 - 120	2	30
1,1-Dichloroethane	20.0	20.8		ug/L		104	77 - 123	5	30
1,1-Dichloroethene	20.0	21.3		ug/L		107	74 - 123	6	30
1,2,3-Trichlorobenzene	20.0	20.8		ug/L		104	78 - 131	5	30
1,2,4-Trichlorobenzene	20.0	20.3		ug/L		102	80 - 124	7	30
1,2-Dibromo-3-Chloropropane	20.0	19.2		ug/L		96	55 - 134	1	30
1,2-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120	7	30
1,2-Dichloroethane	20.0	20.1		ug/L		100	76 - 121	2	30
1,2-Dichloropropane	20.0	22.2		ug/L		111	77 - 123	1	30
1,3-Dichlorobenzene	20.0	20.9		ug/L		104	80 - 120	6	30
1,4-Dichlorobenzene	20.0	20.6		ug/L		103	80 - 120	5	30
1,4-Dioxane	400	493		ug/L		123	10 - 150	4	30
2-Butanone (MEK)	100	110		ug/L		110	64 - 120	5	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671435/5
Matrix: Water
Analysis Batch: 671435

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone			100	115		ug/L		115	71 - 125	3	30
4-Methyl-2-pentanone (MIBK)			100	118		ug/L		118	78 - 124	5	30
Acetone			100	104		ug/L		104	39 - 150	1	30
Benzene			20.0	20.0		ug/L		100	77 - 121	6	30
Bromoform			20.0	20.4		ug/L		102	53 - 120	1	30
Bromomethane			20.0	19.3		ug/L		96	10 - 150	2	30
Carbon disulfide			20.0	19.3		ug/L		96	69 - 133	6	30
Carbon tetrachloride			20.0	19.2		ug/L		96	70 - 132	6	30
Chlorobenzene			20.0	20.6		ug/L		103	80 - 120	4	30
Chlorobromomethane			20.0	22.6		ug/L		113	77 - 127	2	30
Chlorodibromomethane			20.0	20.2		ug/L		101	73 - 120	5	30
Chloroethane			20.0	24.3		ug/L		121	52 - 150	4	30
Chloroform			20.0	19.6		ug/L		98	80 - 120	3	30
Chloromethane			20.0	19.3		ug/L		97	56 - 131	6	30
cis-1,2-Dichloroethene			20.0	21.4		ug/L		107	80 - 120	4	30
cis-1,3-Dichloropropene			20.0	20.5		ug/L		102	77 - 120	1	30
Cyclohexane			20.0	18.7		ug/L		93	56 - 150	8	30
Dichlorobromomethane			20.0	21.6		ug/L		108	76 - 120	1	30
Dichlorodifluoromethane			20.0	17.2		ug/L		86	50 - 131	5	30
Ethylbenzene			20.0	21.0		ug/L		105	80 - 120	5	30
Ethylene Dibromide			20.0	22.2		ug/L		111	80 - 120	0	30
Isopropylbenzene			20.0	20.8		ug/L		104	80 - 123	7	30
Methyl acetate			40.0	41.1		ug/L		103	66 - 144	1	30
Methyl tert-butyl ether			20.0	21.7		ug/L		109	79 - 122	2	30
Methylcyclohexane			20.0	18.3		ug/L		91	61 - 145	9	30
Methylene Chloride			20.0	21.3		ug/L		106	77 - 123	3	30
m-Xylene & p-Xylene			20.0	21.3		ug/L		106	80 - 120	5	30
o-Xylene			20.0	21.0		ug/L		105	80 - 120	5	30
Styrene			20.0	22.4		ug/L		112	80 - 120	3	30
Tetrachloroethene			20.0	21.4		ug/L		107	78 - 122	4	30
Toluene			20.0	19.7		ug/L		99	80 - 120	4	30
trans-1,2-Dichloroethene			20.0	21.2		ug/L		106	79 - 120	6	30
trans-1,3-Dichloropropene			20.0	20.6		ug/L		103	76 - 120	3	30
Trichloroethene			20.0	20.7		ug/L		104	77 - 120	6	30
Trichlorofluoromethane			20.0	20.4		ug/L		102	71 - 143	7	30
Vinyl chloride			20.0	20.0		ug/L		100	62 - 138	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*
4-Bromofluorobenzene	*98*		*77 - 124*
Dibromofluoromethane (Surr)	*96*		*72 - 131*
Toluene-d8 (Surr)	*93*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671715/8
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/30/20 08:50	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/30/20 08:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/30/20 08:50	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 08:50	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/30/20 08:50	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/30/20 08:50	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/30/20 08:50	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/30/20 08:50	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/30/20 08:50	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/30/20 08:50	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 08:50	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/30/20 08:50	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/30/20 08:50	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/30/20 08:50	1
1,4-Dioxane	28	U	50	28	ug/L			01/30/20 08:50	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/30/20 08:50	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/30/20 08:50	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/30/20 08:50	1
Acetone	4.4	U	5.0	4.4	ug/L			01/30/20 08:50	1
Benzene	0.20	U	1.0	0.20	ug/L			01/30/20 08:50	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/30/20 08:50	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/30/20 08:50	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/30/20 08:50	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/30/20 08:50	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/30/20 08:50	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/30/20 08:50	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/30/20 08:50	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/30/20 08:50	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/30/20 08:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/30/20 08:50	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/30/20 08:50	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/30/20 08:50	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/30/20 08:50	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/30/20 08:50	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/30/20 08:50	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/30/20 08:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/30/20 08:50	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/30/20 08:50	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/30/20 08:50	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/30/20 08:50	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/30/20 08:50	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/30/20 08:50	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/30/20 08:50	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/30/20 08:50	1
Styrene	0.42	U	1.0	0.42	ug/L			01/30/20 08:50	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/30/20 08:50	1
Toluene	0.38	U	1.0	0.38	ug/L			01/30/20 08:50	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/30/20 08:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671715/8
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/30/20 08:50	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/30/20 08:50	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/30/20 08:50	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/30/20 08:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*109*		*74 - 132*		*01/30/20 08:50*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*01/30/20 08:50*	*1*
Dibromofluoromethane (Surr)	*99*		*72 - 131*		*01/30/20 08:50*	*1*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/30/20 08:50*	*1*

Lab Sample ID: LCS 460-671715/5
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.7		ug/L		93	75 - 125
1,1,2,2-Tetrachloroethane	20.0	23.7		ug/L		118	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.1		ug/L		100	59 - 150
1,1,2-Trichloroethane	20.0	23.5		ug/L		118	78 - 120
1,1-Dichloroethane	20.0	23.4		ug/L		117	77 - 123
1,1-Dichloroethene	20.0	19.1		ug/L		96	74 - 123
1,2,3-Trichlorobenzene	20.0	21.2		ug/L		106	78 - 131
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	18.3		ug/L		92	55 - 134
1,2-Dichlorobenzene	20.0	22.3		ug/L		112	80 - 120
1,2-Dichloroethane	20.0	23.4		ug/L		117	76 - 121
1,2-Dichloropropane	20.0	23.5		ug/L		118	77 - 123
1,3-Dichlorobenzene	20.0	21.6		ug/L		108	80 - 120
1,4-Dichlorobenzene	20.0	22.0		ug/L		110	80 - 120
1,4-Dioxane	400	477		ug/L		119	10 - 150
2-Butanone (MEK)	100	91.8		ug/L		92	64 - 120
2-Hexanone	100	109		ug/L		109	71 - 125
4-Methyl-2-pentanone (MIBK)	100	112		ug/L		112	78 - 124
Acetone	100	116		ug/L		116	39 - 150
Benzene	20.0	24.3		ug/L		121	77 - 121
Bromoform	20.0	13.4		ug/L		67	53 - 120
Bromomethane	20.0	19.7		ug/L		99	10 - 150
Carbon disulfide	20.0	21.1		ug/L		106	69 - 133
Carbon tetrachloride	20.0	14.8		ug/L		74	70 - 132
Chlorobenzene	20.0	21.5		ug/L		107	80 - 120
Chlorobromomethane	20.0	20.9		ug/L		104	77 - 127
Chlorodibromomethane	20.0	17.0		ug/L		85	73 - 120
Chloroethane	20.0	21.8		ug/L		109	52 - 150
Chloroform	20.0	22.3		ug/L		112	80 - 120
Chloromethane	20.0	27.4	*	ug/L		137	56 - 131
cis-1,2-Dichloroethene	20.0	20.6		ug/L		103	80 - 120
cis-1,3-Dichloropropene	20.0	23.2		ug/L		116	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671715/5
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	20.0	19.8		ug/L		99	56 - 150
Dichlorobromomethane	20.0	18.9		ug/L		94	76 - 120
Dichlorodifluoromethane	20.0	21.4		ug/L		107	50 - 131
Ethylbenzene	20.0	21.8		ug/L		109	80 - 120
Ethylene Dibromide	20.0	23.2		ug/L		116	80 - 120
Isopropylbenzene	20.0	21.7		ug/L		109	80 - 123
Methyl acetate	40.0	57.1		ug/L		143	66 - 144
Methyl tert-butyl ether	20.0	23.7		ug/L		118	79 - 122
Methylcyclohexane	20.0	18.9		ug/L		94	61 - 145
Methylene Chloride	20.0	20.8		ug/L		104	77 - 123
m-Xylene & p-Xylene	20.0	21.5		ug/L		107	80 - 120
o-Xylene	20.0	21.4		ug/L		107	80 - 120
Styrene	20.0	22.1		ug/L		111	80 - 120
Tetrachloroethene	20.0	19.7		ug/L		98	78 - 122
Toluene	20.0	22.4		ug/L		112	80 - 120
trans-1,2-Dichloroethene	20.0	19.8		ug/L		99	79 - 120
trans-1,3-Dichloropropene	20.0	22.0		ug/L		110	76 - 120
Trichloroethene	20.0	20.1		ug/L		100	77 - 120
Trichlorofluoromethane	20.0	21.5		ug/L		108	71 - 143
Vinyl chloride	20.0	23.8		ug/L		119	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*111*		*74 - 132*
4-Bromofluorobenzene	*92*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*108*		*80 - 120*

Lab Sample ID: LCSD 460-671715/22
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.1		ug/L		96	75 - 125	2	30
1,1,2,2-Tetrachloroethane	20.0	23.0		ug/L		115	74 - 120	3	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	20.7		ug/L		104	59 - 150	3	30
1,1,2-Trichloroethane	20.0	23.6		ug/L		118	78 - 120	0	30
1,1-Dichloroethane	20.0	24.1		ug/L		120	77 - 123	3	30
1,1-Dichloroethene	20.0	19.9		ug/L		99	74 - 123	4	30
1,2,3-Trichlorobenzene	20.0	20.6		ug/L		103	78 - 131	3	30
1,2,4-Trichlorobenzene	20.0	20.0		ug/L		100	80 - 124	0	30
1,2-Dibromo-3-Chloropropane	20.0	16.7		ug/L		84	55 - 134	9	30
1,2-Dichlorobenzene	20.0	21.9		ug/L		109	80 - 120	2	30
1,2-Dichloroethane	20.0	23.8		ug/L		119	76 - 121	2	30
1,2-Dichloropropane	20.0	24.4		ug/L		122	77 - 123	4	30
1,3-Dichlorobenzene	20.0	21.5		ug/L		107	80 - 120	1	30
1,4-Dichlorobenzene	20.0	21.5		ug/L		108	80 - 120	2	30
1,4-Dioxane	400	446		ug/L		112	10 - 150	7	30
2-Butanone (MEK)	100	88.5		ug/L		89	64 - 120	4	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671715/22
Matrix: Water
Analysis Batch: 671715

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone			100	104		ug/L		104	71 - 125	4	30
4-Methyl-2-pentanone (MIBK)			100	108		ug/L		108	78 - 124	4	30
Acetone			100	114		ug/L		114	39 - 150	2	30
Benzene			20.0	25.3	*	ug/L		126	77 - 121	4	30
Bromoform			20.0	11.8		ug/L		59	53 - 120	13	30
Bromomethane			20.0	18.7		ug/L		93	10 - 150	5	30
Carbon disulfide			20.0	22.3		ug/L		111	69 - 133	5	30
Carbon tetrachloride			20.0	14.3		ug/L		72	70 - 132	4	30
Chlorobenzene			20.0	21.5		ug/L		108	80 - 120	0	30
Chlorobromomethane			20.0	21.1		ug/L		106	77 - 127	1	30
Chlorodibromomethane			20.0	15.7		ug/L		78	73 - 120	8	30
Chloroethane			20.0	20.6		ug/L		103	52 - 150	6	30
Chloroform			20.0	22.8		ug/L		114	80 - 120	2	30
Chloromethane			20.0	27.9	*	ug/L		140	56 - 131	2	30
cis-1,2-Dichloroethene			20.0	21.7		ug/L		108	80 - 120	5	30
cis-1,3-Dichloropropene			20.0	22.9		ug/L		114	77 - 120	1	30
Cyclohexane			20.0	20.4		ug/L		102	56 - 150	3	30
Dichlorobromomethane			20.0	18.3		ug/L		92	76 - 120	3	30
Dichlorodifluoromethane			20.0	22.0		ug/L		110	50 - 131	3	30
Ethylbenzene			20.0	22.3		ug/L		112	80 - 120	2	30
Ethylene Dibromide			20.0	22.5		ug/L		113	80 - 120	3	30
Isopropylbenzene			20.0	23.0		ug/L		115	80 - 123	6	30
Methyl acetate			40.0	57.1		ug/L		143	66 - 144	0	30
Methyl tert-butyl ether			20.0	23.2		ug/L		116	79 - 122	2	30
Methylcyclohexane			20.0	20.1		ug/L		101	61 - 145	6	30
Methylene Chloride			20.0	21.6		ug/L		108	77 - 123	4	30
m-Xylene & p-Xylene			20.0	22.1		ug/L		110	80 - 120	3	30
o-Xylene			20.0	22.1		ug/L		111	80 - 120	3	30
Styrene			20.0	22.4		ug/L		112	80 - 120	1	30
Tetrachloroethene			20.0	20.2		ug/L		101	78 - 122	2	30
Toluene			20.0	23.4		ug/L		117	80 - 120	4	30
trans-1,2-Dichloroethene			20.0	21.0		ug/L		105	79 - 120	6	30
trans-1,3-Dichloropropene			20.0	21.7		ug/L		109	76 - 120	1	30
Trichloroethene			20.0	21.0		ug/L		105	77 - 120	5	30
Trichlorofluoromethane			20.0	22.5		ug/L		113	71 - 143	5	30
Vinyl chloride			20.0	24.6		ug/L		123	62 - 138	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*110*		*74 - 132*
4-Bromofluorobenzene	*92*		*77 - 124*
Dibromofluoromethane (Surr)	*100*		*72 - 131*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671886/8
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/30/20 20:50	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/30/20 20:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/30/20 20:50	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 20:50	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/30/20 20:50	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/30/20 20:50	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/30/20 20:50	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/30/20 20:50	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/30/20 20:50	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/30/20 20:50	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/30/20 20:50	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/30/20 20:50	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/30/20 20:50	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/30/20 20:50	1
1,4-Dioxane	28	U	50	28	ug/L			01/30/20 20:50	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/30/20 20:50	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/30/20 20:50	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/30/20 20:50	1
Acetone	4.4	U	5.0	4.4	ug/L			01/30/20 20:50	1
Benzene	0.20	U	1.0	0.20	ug/L			01/30/20 20:50	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/30/20 20:50	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/30/20 20:50	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/30/20 20:50	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/30/20 20:50	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/30/20 20:50	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/30/20 20:50	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/30/20 20:50	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/30/20 20:50	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/30/20 20:50	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/30/20 20:50	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/30/20 20:50	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/30/20 20:50	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/30/20 20:50	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/30/20 20:50	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/30/20 20:50	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/30/20 20:50	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/30/20 20:50	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/30/20 20:50	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/30/20 20:50	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/30/20 20:50	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/30/20 20:50	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/30/20 20:50	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/30/20 20:50	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/30/20 20:50	1
Styrene	0.42	U	1.0	0.42	ug/L			01/30/20 20:50	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/30/20 20:50	1
Toluene	0.38	U	1.0	0.38	ug/L			01/30/20 20:50	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/30/20 20:50	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-671886/8
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/30/20 20:50	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/30/20 20:50	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/30/20 20:50	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/30/20 20:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*110*		*74 - 132*		*01/30/20 20:50*	*1*
4-Bromofluorobenzene	*91*		*77 - 124*		*01/30/20 20:50*	*1*
Dibromofluoromethane (Surr)	*97*		*72 - 131*		*01/30/20 20:50*	*1*
Toluene-d8 (Surr)	*110*		*80 - 120*		*01/30/20 20:50*	*1*

Lab Sample ID: LCS 460-671886/4
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	17.4		ug/L		87	75 - 125
1,1,2,2-Tetrachloroethane	20.0	23.1		ug/L		115	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.7		ug/L		88	59 - 150
1,1,2-Trichloroethane	20.0	22.6		ug/L		113	78 - 120
1,1-Dichloroethane	20.0	22.2		ug/L		111	77 - 123
1,1-Dichloroethene	20.0	18.0		ug/L		90	74 - 123
1,2,3-Trichlorobenzene	20.0	19.6		ug/L		98	78 - 131
1,2,4-Trichlorobenzene	20.0	18.7		ug/L		94	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.3		ug/L		86	55 - 134
1,2-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
1,2-Dichloroethane	20.0	22.1		ug/L		111	76 - 121
1,2-Dichloropropane	20.0	22.6		ug/L		113	77 - 123
1,3-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120
1,4-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120
1,4-Dioxane	400	432		ug/L		108	10 - 150
2-Butanone (MEK)	100	84.2		ug/L		84	64 - 120
2-Hexanone	100	98.4		ug/L		98	71 - 125
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	78 - 124
Acetone	100	106		ug/L		106	39 - 150
Benzene	20.0	23.0		ug/L		115	77 - 121
Bromoform	20.0	11.9		ug/L		60	53 - 120
Bromomethane	20.0	15.7		ug/L		78	10 - 150
Carbon disulfide	20.0	19.6		ug/L		98	69 - 133
Carbon tetrachloride	20.0	13.7	*	ug/L		68	70 - 132
Chlorobenzene	20.0	19.7		ug/L		98	80 - 120
Chlorobromomethane	20.0	19.5		ug/L		98	77 - 127
Chlorodibromomethane	20.0	15.5		ug/L		78	73 - 120
Chloroethane	20.0	16.9		ug/L		84	52 - 150
Chloroform	20.0	21.1		ug/L		105	80 - 120
Chloromethane	20.0	23.1		ug/L		115	56 - 131
cis-1,2-Dichloroethene	20.0	19.8		ug/L		99	80 - 120
cis-1,3-Dichloropropene	20.0	21.9		ug/L		109	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-671886/4
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	20.0	18.2		ug/L		91	56 - 150
Dichlorobromomethane	20.0	18.0		ug/L		90	76 - 120
Dichlorodifluoromethane	20.0	17.6		ug/L		88	50 - 131
Ethylbenzene	20.0	20.0		ug/L		100	80 - 120
Ethylene Dibromide	20.0	21.4		ug/L		107	80 - 120
Isopropylbenzene	20.0	20.8		ug/L		104	80 - 123
Methyl acetate	40.0	53.3		ug/L		133	66 - 144
Methyl tert-butyl ether	20.0	21.0		ug/L		105	79 - 122
Methylcyclohexane	20.0	18.4		ug/L		92	61 - 145
Methylene Chloride	20.0	20.4		ug/L		102	77 - 123
m-Xylene & p-Xylene	20.0	20.0		ug/L		100	80 - 120
o-Xylene	20.0	20.3		ug/L		102	80 - 120
Styrene	20.0	20.6		ug/L		103	80 - 120
Tetrachloroethene	20.0	18.4		ug/L		92	78 - 122
Toluene	20.0	21.2		ug/L		106	80 - 120
trans-1,2-Dichloroethene	20.0	19.1		ug/L		95	79 - 120
trans-1,3-Dichloropropene	20.0	21.2		ug/L		106	76 - 120
Trichloroethene	20.0	19.3		ug/L		97	77 - 120
Trichlorofluoromethane	20.0	18.8		ug/L		94	71 - 143
Vinyl chloride	20.0	20.2		ug/L		101	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*74 - 132*
4-Bromofluorobenzene	*91*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*107*		*80 - 120*

Lab Sample ID: LCSD 460-671886/5
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	18.4		ug/L		92	75 - 125	6	30
1,1,2,2-Tetrachloroethane	20.0	22.2		ug/L		111	74 - 120	4	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	19.5		ug/L		97	59 - 150	10	30
1,1,2-Trichloroethane	20.0	22.6		ug/L		113	78 - 120	0	30
1,1-Dichloroethane	20.0	23.0		ug/L		115	77 - 123	4	30
1,1-Dichloroethene	20.0	19.2		ug/L		96	74 - 123	7	30
1,2,3-Trichlorobenzene	20.0	19.5		ug/L		97	78 - 131	1	30
1,2,4-Trichlorobenzene	20.0	18.8		ug/L		94	80 - 124	0	30
1,2-Dibromo-3-Chloropropane	20.0	16.4		ug/L		82	55 - 134	5	30
1,2-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 120	1	30
1,2-Dichloroethane	20.0	22.4		ug/L		112	76 - 121	1	30
1,2-Dichloropropane	20.0	23.4		ug/L		117	77 - 123	4	30
1,3-Dichlorobenzene	20.0	20.8		ug/L		104	80 - 120	3	30
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120	1	30
1,4-Dioxane	400	429		ug/L		107	10 - 150	1	30
2-Butanone (MEK)	100	82.7		ug/L		83	64 - 120	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-671886/5
Matrix: Water
Analysis Batch: 671886

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone			100	99.2		ug/L		99	71 - 125	1	30
4-Methyl-2-pentanone (MIBK)			100	101		ug/L		101	78 - 124	3	30
Acetone			100	106		ug/L		106	39 - 150	0	30
Benzene			20.0	24.1		ug/L		121	77 - 121	5	30
Bromoform			20.0	12.0		ug/L		60	53 - 120	1	30
Bromomethane			20.0	16.6		ug/L		83	10 - 150	5	30
Carbon disulfide			20.0	20.7		ug/L		103	69 - 133	5	30
Carbon tetrachloride			20.0	14.5		ug/L		73	70 - 132	6	30
Chlorobenzene			20.0	20.7		ug/L		103	80 - 120	5	30
Chlorobromomethane			20.0	19.7		ug/L		99	77 - 127	1	30
Chlorodibromomethane			20.0	15.9		ug/L		79	73 - 120	2	30
Chloroethane			20.0	18.6		ug/L		93	52 - 150	10	30
Chloroform			20.0	21.7		ug/L		108	80 - 120	3	30
Chloromethane			20.0	24.5		ug/L		122	56 - 131	6	30
cis-1,2-Dichloroethene			20.0	20.4		ug/L		102	80 - 120	3	30
cis-1,3-Dichloropropene			20.0	21.9		ug/L		110	77 - 120	0	30
Cyclohexane			20.0	19.3		ug/L		97	56 - 150	6	30
Dichlorobromomethane			20.0	18.2		ug/L		91	76 - 120	1	30
Dichlorodifluoromethane			20.0	20.1		ug/L		101	50 - 131	13	30
Ethylbenzene			20.0	21.3		ug/L		106	80 - 120	6	30
Ethylene Dibromide			20.0	22.0		ug/L		110	80 - 120	2	30
Isopropylbenzene			20.0	21.7		ug/L		109	80 - 123	4	30
Methyl acetate			40.0	53.6		ug/L		134	66 - 144	1	30
Methyl tert-butyl ether			20.0	21.8		ug/L		109	79 - 122	4	30
Methylcyclohexane			20.0	19.0		ug/L		95	61 - 145	3	30
Methylene Chloride			20.0	20.5		ug/L		102	77 - 123	0	30
m-Xylene & p-Xylene			20.0	20.7		ug/L		104	80 - 120	3	30
o-Xylene			20.0	20.8		ug/L		104	80 - 120	2	30
Styrene			20.0	21.4		ug/L		107	80 - 120	4	30
Tetrachloroethene			20.0	19.2		ug/L		96	78 - 122	4	30
Toluene			20.0	22.2		ug/L		111	80 - 120	4	30
trans-1,2-Dichloroethene			20.0	20.0		ug/L		100	79 - 120	5	30
trans-1,3-Dichloropropene			20.0	21.2		ug/L		106	76 - 120	0	30
Trichloroethene			20.0	20.1		ug/L		100	77 - 120	4	30
Trichlorofluoromethane			20.0	20.1		ug/L		100	71 - 143	7	30
Vinyl chloride			20.0	21.5		ug/L		108	62 - 138	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*112*		*74 - 132*
4-Bromofluorobenzene	*91*		*77 - 124*
Dibromofluoromethane (Surr)	*99*		*72 - 131*
Toluene-d8 (Surr)	*108*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-672017/8
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			01/31/20 10:02	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			01/31/20 10:02	1
1,1,2-Trichloro-1,2,2-trifluoroethane	0.31	U	1.0	0.31	ug/L			01/31/20 10:02	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 10:02	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			01/31/20 10:02	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			01/31/20 10:02	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			01/31/20 10:02	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			01/31/20 10:02	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			01/31/20 10:02	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			01/31/20 10:02	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			01/31/20 10:02	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			01/31/20 10:02	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			01/31/20 10:02	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			01/31/20 10:02	1
1,4-Dioxane	28	U	50	28	ug/L			01/31/20 10:02	1
2-Butanone (MEK)	1.9	U	5.0	1.9	ug/L			01/31/20 10:02	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			01/31/20 10:02	1
4-Methyl-2-pentanone (MIBK)	1.3	U	5.0	1.3	ug/L			01/31/20 10:02	1
Acetone	4.4	U	5.0	4.4	ug/L			01/31/20 10:02	1
Benzene	0.20	U	1.0	0.20	ug/L			01/31/20 10:02	1
Bromoform	0.54	U	1.0	0.54	ug/L			01/31/20 10:02	1
Bromomethane	0.55	U	1.0	0.55	ug/L			01/31/20 10:02	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			01/31/20 10:02	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			01/31/20 10:02	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			01/31/20 10:02	1
Chlorobromomethane	0.41	U	1.0	0.41	ug/L			01/31/20 10:02	1
Chlorodibromomethane	0.28	U	1.0	0.28	ug/L			01/31/20 10:02	1
Chloroethane	0.32	U	1.0	0.32	ug/L			01/31/20 10:02	1
Chloroform	0.33	U	1.0	0.33	ug/L			01/31/20 10:02	1
Chloromethane	0.40	U	1.0	0.40	ug/L			01/31/20 10:02	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			01/31/20 10:02	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			01/31/20 10:02	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			01/31/20 10:02	1
Dichlorobromomethane	0.34	U	1.0	0.34	ug/L			01/31/20 10:02	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			01/31/20 10:02	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			01/31/20 10:02	1
Ethylene Dibromide	0.50	U	1.0	0.50	ug/L			01/31/20 10:02	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			01/31/20 10:02	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			01/31/20 10:02	1
Methyl tert-butyl ether	0.47	U	1.0	0.47	ug/L			01/31/20 10:02	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			01/31/20 10:02	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			01/31/20 10:02	1
m-Xylene & p-Xylene	0.30	U	1.0	0.30	ug/L			01/31/20 10:02	1
o-Xylene	0.36	U	1.0	0.36	ug/L			01/31/20 10:02	1
Styrene	0.42	U	1.0	0.42	ug/L			01/31/20 10:02	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			01/31/20 10:02	1
Toluene	0.38	U	1.0	0.38	ug/L			01/31/20 10:02	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			01/31/20 10:02	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-672017/8
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			01/31/20 10:02	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			01/31/20 10:02	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			01/31/20 10:02	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			01/31/20 10:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*		*01/31/20 10:02*	*1*
4-Bromofluorobenzene	*97*		*77 - 124*		*01/31/20 10:02*	*1*
Dibromofluoromethane (Surr)	*95*		*72 - 131*		*01/31/20 10:02*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*01/31/20 10:02*	*1*

Lab Sample ID: LCS 460-672017/4
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	21.2		ug/L		106	75 - 125
1,1,2,2-Tetrachloroethane	20.0	19.5		ug/L		98	74 - 120
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	17.9		ug/L		90	59 - 150
1,1,2-Trichloroethane	20.0	21.3		ug/L		107	78 - 120
1,1-Dichloroethane	20.0	22.8		ug/L		114	77 - 123
1,1-Dichloroethene	20.0	22.2		ug/L		111	74 - 123
1,2,3-Trichlorobenzene	20.0	20.8		ug/L		104	78 - 131
1,2,4-Trichlorobenzene	20.0	20.5		ug/L		103	80 - 124
1,2-Dibromo-3-Chloropropane	20.0	17.8		ug/L		89	55 - 134
1,2-Dichlorobenzene	20.0	20.5		ug/L		102	80 - 120
1,2-Dichloroethane	20.0	20.8		ug/L		104	76 - 121
1,2-Dichloropropane	20.0	22.9		ug/L		115	77 - 123
1,3-Dichlorobenzene	20.0	20.7		ug/L		104	80 - 120
1,4-Dichlorobenzene	20.0	20.4		ug/L		102	80 - 120
1,4-Dioxane	400	495		ug/L		124	10 - 150
2-Butanone (MEK)	100	103		ug/L		103	64 - 120
2-Hexanone	100	108		ug/L		108	71 - 125
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	78 - 124
Acetone	100	99.5		ug/L		99	39 - 150
Benzene	20.0	20.9		ug/L		105	77 - 121
Bromoform	20.0	19.4		ug/L		97	53 - 120
Bromomethane	20.0	15.3		ug/L		76	10 - 150
Carbon disulfide	20.0	19.4		ug/L		97	69 - 133
Carbon tetrachloride	20.0	20.1		ug/L		100	70 - 132
Chlorobenzene	20.0	20.8		ug/L		104	80 - 120
Chlorobromomethane	20.0	22.5		ug/L		112	77 - 127
Chlorodibromomethane	20.0	19.7		ug/L		98	73 - 120
Chloroethane	20.0	24.8		ug/L		124	52 - 150
Chloroform	20.0	20.6		ug/L		103	80 - 120
Chloromethane	20.0	19.9		ug/L		100	56 - 131
cis-1,2-Dichloroethene	20.0	22.5		ug/L		112	80 - 120
cis-1,3-Dichloropropene	20.0	20.3		ug/L		102	77 - 120

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-672017/4
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyclohexane	20.0	18.6		ug/L		93	56 - 150
Dichlorobromomethane	20.0	21.3		ug/L		106	76 - 120
Dichlorodifluoromethane	20.0	14.7		ug/L		74	50 - 131
Ethylbenzene	20.0	21.9		ug/L		110	80 - 120
Ethylene Dibromide	20.0	21.7		ug/L		108	80 - 120
Isopropylbenzene	20.0	21.6		ug/L		108	80 - 123
Methyl acetate	40.0	39.7		ug/L		99	66 - 144
Methyl tert-butyl ether	20.0	21.9		ug/L		109	79 - 122
Methylcyclohexane	20.0	17.9		ug/L		90	61 - 145
Methylene Chloride	20.0	21.8		ug/L		109	77 - 123
m-Xylene & p-Xylene	20.0	22.4		ug/L		112	80 - 120
o-Xylene	20.0	21.8		ug/L		109	80 - 120
Styrene	20.0	22.7		ug/L		114	80 - 120
Tetrachloroethene	20.0	21.6		ug/L		108	78 - 122
Toluene	20.0	20.0		ug/L		100	80 - 120
trans-1,2-Dichloroethene	20.0	22.4		ug/L		112	79 - 120
trans-1,3-Dichloropropene	20.0	20.2		ug/L		101	76 - 120
Trichloroethene	20.0	22.6		ug/L		113	77 - 120
Trichlorofluoromethane	20.0	20.6		ug/L		103	71 - 143
Vinyl chloride	20.0	21.4		ug/L		107	62 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*94*		*74 - 132*
4-Bromofluorobenzene	*101*		*77 - 124*
Dibromofluoromethane (Surr)	*98*		*72 - 131*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-672017/5
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	18.9		ug/L		94	75 - 125	11	30
1,1,2,2-Tetrachloroethane	20.0	19.6		ug/L		98	74 - 120	1	30
1,1,2-Trichloro-1,2,2-trifluoroethane	20.0	16.0		ug/L		80	59 - 150	11	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		103	78 - 120	4	30
1,1-Dichloroethane	20.0	20.2		ug/L		101	77 - 123	12	30
1,1-Dichloroethene	20.0	19.6		ug/L		98	74 - 123	12	30
1,2,3-Trichlorobenzene	20.0	19.3		ug/L		96	78 - 131	8	30
1,2,4-Trichlorobenzene	20.0	19.3		ug/L		96	80 - 124	6	30
1,2-Dibromo-3-Chloropropane	20.0	17.5		ug/L		87	55 - 134	2	30
1,2-Dichlorobenzene	20.0	20.2		ug/L		101	80 - 120	1	30
1,2-Dichloroethane	20.0	19.2		ug/L		96	76 - 121	8	30
1,2-Dichloropropane	20.0	20.8		ug/L		104	77 - 123	10	30
1,3-Dichlorobenzene	20.0	20.1		ug/L		100	80 - 120	3	30
1,4-Dichlorobenzene	20.0	20.1		ug/L		101	80 - 120	2	30
1,4-Dioxane	400	478		ug/L		119	10 - 150	4	30
2-Butanone (MEK)	100	108		ug/L		108	64 - 120	5	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-672017/5
Matrix: Water
Analysis Batch: 672017

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2-Hexanone			100	108		ug/L		108	71 - 125	0	30
4-Methyl-2-pentanone (MIBK)			100	111		ug/L		111	78 - 124	3	30
Acetone			100	105		ug/L		105	39 - 150	5	30
Benzene			20.0	19.6		ug/L		98	77 - 121	7	30
Bromoform			20.0	18.3		ug/L		91	53 - 120	6	30
Bromomethane			20.0	17.2		ug/L		86	10 - 150	12	30
Carbon disulfide			20.0	17.8		ug/L		89	69 - 133	8	30
Carbon tetrachloride			20.0	17.9		ug/L		90	70 - 132	11	30
Chlorobenzene			20.0	20.0		ug/L		100	80 - 120	4	30
Chlorobromomethane			20.0	21.0		ug/L		105	77 - 127	7	30
Chlorodibromomethane			20.0	19.2		ug/L		96	73 - 120	3	30
Chloroethane			20.0	24.3		ug/L		121	52 - 150	2	30
Chloroform			20.0	19.0		ug/L		95	80 - 120	8	30
Chloromethane			20.0	18.1		ug/L		90	56 - 131	10	30
cis-1,2-Dichloroethene			20.0	20.9		ug/L		104	80 - 120	7	30
cis-1,3-Dichloropropene			20.0	19.7		ug/L		99	77 - 120	3	30
Cyclohexane			20.0	17.1		ug/L		85	56 - 150	9	30
Dichlorobromomethane			20.0	19.8		ug/L		99	76 - 120	7	30
Dichlorodifluoromethane			20.0	13.3		ug/L		66	50 - 131	11	30
Ethylbenzene			20.0	20.0		ug/L		100	80 - 120	9	30
Ethylene Dibromide			20.0	20.8		ug/L		104	80 - 120	4	30
Isopropylbenzene			20.0	19.7		ug/L		98	80 - 123	9	30
Methyl acetate			40.0	39.3		ug/L		98	66 - 144	1	30
Methyl tert-butyl ether			20.0	21.0		ug/L		105	79 - 122	4	30
Methylcyclohexane			20.0	15.7		ug/L		79	61 - 145	13	30
Methylene Chloride			20.0	20.3		ug/L		101	77 - 123	7	30
m-Xylene & p-Xylene			20.0	20.1		ug/L		101	80 - 120	10	30
o-Xylene			20.0	20.2		ug/L		101	80 - 120	8	30
Styrene			20.0	20.9		ug/L		105	80 - 120	8	30
Tetrachloroethene			20.0	19.9		ug/L		99	78 - 122	8	30
Toluene			20.0	18.8		ug/L		94	80 - 120	6	30
trans-1,2-Dichloroethene			20.0	20.1		ug/L		100	79 - 120	11	30
trans-1,3-Dichloropropene			20.0	19.4		ug/L		97	76 - 120	4	30
Trichloroethene			20.0	20.1		ug/L		100	77 - 120	12	30
Trichlorofluoromethane			20.0	18.7		ug/L		94	71 - 143	9	30
Vinyl chloride			20.0	19.1		ug/L		96	62 - 138	11	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*74 - 132*
4-Bromofluorobenzene	*100*		*77 - 124*
Dibromofluoromethane (Surr)	*95*		*72 - 131*
Toluene-d8 (Surr)	*95*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-670779/1-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/26/20 22:36	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/26/20 07:35	01/26/20 22:36	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/26/20 07:35	01/26/20 22:36	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/26/20 22:36	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/26/20 07:35	01/26/20 22:36	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/26/20 07:35	01/26/20 22:36	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/26/20 07:35	01/26/20 22:36	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/26/20 07:35	01/26/20 22:36	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/26/20 07:35	01/26/20 22:36	1
Acetophenone	2.3	U	10	2.3	ug/L		01/26/20 07:35	01/26/20 22:36	1
Anthracene	0.63	U	10	0.63	ug/L		01/26/20 07:35	01/26/20 22:36	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzaldehyde	2.1	U	10	2.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/26/20 07:35	01/26/20 22:36	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/26/20 07:35	01/26/20 22:36	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/26/20 07:35	01/26/20 22:36	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/26/20 07:35	01/26/20 22:36	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/26/20 07:35	01/26/20 22:36	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/26/20 07:35	01/26/20 22:36	1
Caprolactam	0.68	U	10	0.68	ug/L		01/26/20 07:35	01/26/20 22:36	1
Carbazole	0.68	U	10	0.68	ug/L		01/26/20 07:35	01/26/20 22:36	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/26/20 07:35	01/26/20 22:36	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/26/20 07:35	01/26/20 22:36	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/26/20 07:35	01/26/20 22:36	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-670779/1-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670779

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/26/20 07:35	01/26/20 22:36	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/26/20 07:35	01/26/20 22:36	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/26/20 07:35	01/26/20 22:36	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/26/20 07:35	01/26/20 22:36	1
Fluorene	0.91	U	10	0.91	ug/L		01/26/20 07:35	01/26/20 22:36	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/26/20 07:35	01/26/20 22:36	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/26/20 07:35	01/26/20 22:36	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/26/20 07:35	01/26/20 22:36	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/26/20 07:35	01/26/20 22:36	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/26/20 07:35	01/26/20 22:36	1
Isophorone	0.80	U	10	0.80	ug/L		01/26/20 07:35	01/26/20 22:36	1
Naphthalene	1.1	U	10	1.1	ug/L		01/26/20 07:35	01/26/20 22:36	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/26/20 07:35	01/26/20 22:36	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/26/20 07:35	01/26/20 22:36	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/26/20 07:35	01/26/20 22:36	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/26/20 07:35	01/26/20 22:36	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/26/20 07:35	01/26/20 22:36	1
Phenol	0.29	U	10	0.29	ug/L		01/26/20 07:35	01/26/20 22:36	1
Pyrene	1.6	U	10	1.6	ug/L		01/26/20 07:35	01/26/20 22:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*72*		*26 - 139*	*01/26/20 07:35*	*01/26/20 22:36*	*1*
2-Fluorobiphenyl	*84*		*45 - 107*	*01/26/20 07:35*	*01/26/20 22:36*	*1*
2-Fluorophenol (Surr)	*43*		*25 - 58*	*01/26/20 07:35*	*01/26/20 22:36*	*1*
Nitrobenzene-d5 (Surr)	*95*		*51 - 108*	*01/26/20 07:35*	*01/26/20 22:36*	*1*
Phenol-d5 (Surr)	*36*		*14 - 39*	*01/26/20 07:35*	*01/26/20 22:36*	*1*
Terphenyl-d14 (Surr)	*92*		*40 - 148*	*01/26/20 07:35*	*01/26/20 22:36*	*1*

Lab Sample ID: LCS 460-670779/2-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	64.7		ug/L		81	54 - 108
1,2,4,5-Tetrachlorobenzene	80.0	57.2		ug/L		71	46 - 105
2,2'-oxybis[1-chloropropane]	80.0	70.0		ug/L		88	50 - 108
2,3,4,6-Tetrachlorophenol	80.0	76.5		ug/L		96	57 - 122
2,4,5-Trichlorophenol	80.0	79.5		ug/L		99	59 - 117
2,4,6-Trichlorophenol	80.0	76.2		ug/L		95	62 - 120
2,4-Dichlorophenol	80.0	72.8		ug/L		91	62 - 102
2,4-Dimethylphenol	80.0	68.3		ug/L		85	61 - 95
2,4-Dinitrophenol	160	148		ug/L		92	45 - 125
2,4-Dinitrotoluene	80.0	78.0		ug/L		98	70 - 123
2,6-Dinitrotoluene	80.0	78.4		ug/L		98	68 - 121
2-Chloronaphthalene	80.0	62.3		ug/L		78	54 - 105
2-Chlorophenol	80.0	67.2		ug/L		84	54 - 92
2-Methylnaphthalene	80.0	61.9		ug/L		77	47 - 104
2-Methylphenol	80.0	59.6		ug/L		74	43 - 80

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-670779/2-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670779

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Nitroaniline	80.0	75.2		ug/L		94	46 - 124
2-Nitrophenol	80.0	74.5		ug/L		93	58 - 109
3,3'-Dichlorobenzidine	80.0	85.0		ug/L		106	68 - 123
3-Nitroaniline	80.0	76.7		ug/L		96	60 - 117
4,6-Dinitro-2-methylphenol	160	172		ug/L		107	59 - 132
4-Bromophenyl phenyl ether	80.0	73.6		ug/L		92	57 - 126
4-Chloro-3-methylphenol	80.0	67.2		ug/L		84	58 - 98
4-Chloroaniline	80.0	77.6		ug/L		97	51 - 108
4-Chlorophenyl phenyl ether	80.0	65.7		ug/L		82	60 - 114
4-Methylphenol	80.0	57.0		ug/L		71	34 - 78
4-Nitroaniline	80.0	74.2		ug/L		93	48 - 135
4-Nitrophenol	160	60.3		ug/L		38	11 - 47
Acenaphthene	80.0	64.0		ug/L		80	58 - 107
Acenaphthylene	80.0	68.1		ug/L		85	61 - 106
Acetophenone	80.0	73.9		ug/L		92	54 - 115
Anthracene	80.0	79.3		ug/L		99	70 - 118
Benzo[a]anthracene	80.0	75.1		ug/L		94	73 - 119
Benzo[a]pyrene	80.0	70.1		ug/L		88	76 - 125
Benzo[b]fluoranthene	80.0	73.2		ug/L		91	78 - 123
Benzo[g,h,i]perylene	80.0	79.1		ug/L		99	63 - 133
Benzo[k]fluoranthene	80.0	79.5		ug/L		99	71 - 126
Bis(2-chloroethoxy)methane	80.0	74.6		ug/L		93	67 - 104
Bis(2-chloroethyl)ether	80.0	72.7		ug/L		91	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	90.5		ug/L		113	63 - 135
Butyl benzyl phthalate	80.0	80.6		ug/L		101	66 - 129
Carbazole	80.0	80.8		ug/L		101	68 - 121
Chrysene	80.0	88.2		ug/L		110	73 - 121
Dibenz(a,h)anthracene	80.0	83.1		ug/L		104	59 - 136
Dibenzofuran	80.0	66.3		ug/L		83	67 - 108
Diethyl phthalate	80.0	69.7		ug/L		87	61 - 129
Dimethyl phthalate	80.0	73.0		ug/L		91	65 - 121
Di-n-butyl phthalate	80.0	84.3		ug/L		105	64 - 130
Di-n-octyl phthalate	80.0	80.1		ug/L		100	64 - 131
Fluoranthene	80.0	79.0		ug/L		99	66 - 123
Fluorene	80.0	68.3		ug/L		85	67 - 112
Hexachlorobenzene	80.0	79.9		ug/L		100	63 - 125
Hexachlorobutadiene	80.0	51.2		ug/L		64	34 - 99
Hexachlorocyclopentadiene	80.0	44.0		ug/L		55	18 - 99
Hexachloroethane	80.0	49.5		ug/L		62	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	80.5		ug/L		101	57 - 142
Isophorone	80.0	73.9		ug/L		92	55 - 105
Naphthalene	80.0	63.9		ug/L		80	51 - 98
Nitrobenzene	80.0	75.5		ug/L		94	56 - 106
N-Nitrosodi-n-propylamine	80.0	76.0		ug/L		95	48 - 118
N-Nitrosodiphenylamine	80.0	79.3		ug/L		99	69 - 118
Pentachlorophenol	160	173		ug/L		108	54 - 120
Phenanthrene	80.0	77.5		ug/L		97	70 - 117
Phenol	80.0	36.5	*	ug/L		46	16 - 43
Pyrene	80.0	75.5		ug/L		94	63 - 129

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	110		26 - 139
2-Fluorobiphenyl	96		45 - 107
2-Fluorophenol (Surr)	64	X	25 - 58
Nitrobenzene-d5 (Surr)	107		51 - 108
Phenol-d5 (Surr)	44	X	14 - 39
Terphenyl-d14 (Surr)	110		40 - 148

Lab Sample ID: LCS 460-670779/4-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670779

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Atrazine			160	175		ug/L		109	38 - 146		
Benzaldehyde			160	160		ug/L		100	46 - 111		
Caprolactam			160	49.2		ug/L		31	10 - 43		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2,4,6-Tribromophenol (Surr)	104		26 - 139
2-Fluorobiphenyl	100		45 - 107
2-Fluorophenol (Surr)	69	X	25 - 58
Nitrobenzene-d5 (Surr)	109	X	51 - 108
Phenol-d5 (Surr)	49	X	14 - 39
Terphenyl-d14 (Surr)	112		40 - 148

Lab Sample ID: LCSD 460-670779/3-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670779

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	65.7		ug/L		82	54 - 108	1	30
1,2,4,5-Tetrachlorobenzene			80.0	59.0		ug/L		74	46 - 105	3	30
2,2'-oxybis[1-chloropropane]			80.0	70.6		ug/L		88	50 - 108	1	30
2,3,4,6-Tetrachlorophenol			80.0	76.2		ug/L		95	57 - 122	0	30
2,4,5-Trichlorophenol			80.0	75.0		ug/L		94	59 - 117	6	30
2,4,6-Trichlorophenol			80.0	82.2		ug/L		103	62 - 120	8	30
2,4-Dichlorophenol			80.0	71.1		ug/L		89	62 - 102	2	30
2,4-Dimethylphenol			80.0	68.9		ug/L		86	61 - 95	1	30
2,4-Dinitrophenol			160	148		ug/L		92	45 - 125	0	30
2,4-Dinitrotoluene			80.0	79.0		ug/L		99	70 - 123	1	30
2,6-Dinitrotoluene			80.0	79.6		ug/L		100	68 - 121	2	30
2-Chloronaphthalene			80.0	62.7		ug/L		78	54 - 105	1	30
2-Chlorophenol			80.0	67.2		ug/L		84	54 - 92	0	30
2-Methylnaphthalene			80.0	62.0		ug/L		78	47 - 104	0	30
2-Methylphenol			80.0	59.9		ug/L		75	43 - 80	1	30
2-Nitroaniline			80.0	77.2		ug/L		97	46 - 124	3	30
2-Nitrophenol			80.0	74.1		ug/L		93	58 - 109	1	30
3,3'-Dichlorobenzidine			80.0	83.8		ug/L		105	68 - 123	1	30
3-Nitroaniline			80.0	77.7		ug/L		97	60 - 117	1	30
4,6-Dinitro-2-methylphenol			160	167		ug/L		105	59 - 132	3	30
4-Bromophenyl phenyl ether			80.0	72.3		ug/L		90	57 - 126	2	30
4-Chloro-3-methylphenol			80.0	67.6		ug/L		84	58 - 98	1	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670779/3-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670779

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chloroaniline			80.0	76.5		ug/L		96	51 - 108	2	30
4-Chlorophenyl phenyl ether			80.0	66.7		ug/L		83	60 - 114	2	30
4-Methylphenol			80.0	56.9		ug/L		71	34 - 78	0	30
4-Nitroaniline			80.0	76.4		ug/L		95	48 - 135	3	30
4-Nitrophenol			160	64.7		ug/L		40	11 - 47	7	30
Acenaphthene			80.0	66.0		ug/L		83	58 - 107	3	30
Acenaphthylene			80.0	69.5		ug/L		87	61 - 106	2	30
Acetophenone			80.0	74.8		ug/L		94	54 - 115	1	30
Anthracene			80.0	78.1		ug/L		98	70 - 118	2	30
Benzo[a]anthracene			80.0	77.0		ug/L		96	73 - 119	3	30
Benzo[a]pyrene			80.0	72.2		ug/L		90	76 - 125	3	30
Benzo[b]fluoranthene			80.0	78.5		ug/L		98	78 - 123	7	30
Benzo[g,h,i]perylene			80.0	83.0		ug/L		104	63 - 133	5	30
Benzo[k]fluoranthene			80.0	75.0		ug/L		94	71 - 126	6	30
Bis(2-chloroethoxy)methane			80.0	74.4		ug/L		93	67 - 104	0	30
Bis(2-chloroethyl)ether			80.0	73.3		ug/L		92	63 - 106	1	30
Bis(2-ethylhexyl) phthalate			80.0	91.8		ug/L		115	63 - 135	1	30
Butyl benzyl phthalate			80.0	81.2		ug/L		102	66 - 129	1	30
Carbazole			80.0	78.6		ug/L		98	68 - 121	3	30
Chrysene			80.0	85.6		ug/L		107	73 - 121	3	30
Dibenz(a,h)anthracene			80.0	87.2		ug/L		109	59 - 136	5	30
Dibenzofuran			80.0	67.8		ug/L		85	67 - 108	2	30
Diethyl phthalate			80.0	70.1		ug/L		88	61 - 129	1	30
Dimethyl phthalate			80.0	73.9		ug/L		92	65 - 121	1	30
Di-n-butyl phthalate			80.0	81.3		ug/L		102	64 - 130	4	30
Di-n-octyl phthalate			80.0	79.8		ug/L		100	64 - 131	0	30
Fluoranthene			80.0	78.2		ug/L		98	66 - 123	1	30
Fluorene			80.0	69.1		ug/L		86	67 - 112	1	30
Hexachlorobenzene			80.0	78.4		ug/L		98	63 - 125	2	30
Hexachlorobutadiene			80.0	50.6		ug/L		63	34 - 99	1	30
Hexachlorocyclopentadiene			80.0	43.9		ug/L		55	18 - 99	0	30
Hexachloroethane			80.0	49.2		ug/L		62	39 - 92	1	30
Indeno[1,2,3-cd]pyrene			80.0	85.7		ug/L		107	57 - 142	6	30
Isophorone			80.0	74.0		ug/L		92	55 - 105	0	30
Naphthalene			80.0	64.2		ug/L		80	51 - 98	0	30
Nitrobenzene			80.0	75.5		ug/L		94	56 - 106	0	30
N-Nitrosodi-n-propylamine			80.0	77.4		ug/L		97	48 - 118	2	30
N-Nitrosodiphenylamine			80.0	77.0		ug/L		96	69 - 118	3	30
Pentachlorophenol			160	169		ug/L		106	54 - 120	3	30
Phenanthrene			80.0	74.8		ug/L		93	70 - 117	4	30
Phenol			80.0	36.5	*	ug/L		46	16 - 43	0	30
Pyrene			80.0	75.6		ug/L		94	63 - 129	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*108*		*26 - 139*
2-Fluorobiphenyl	*98*		*45 - 107*
2-Fluorophenol (Surr)	*64*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*106*		*51 - 108*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-670779/3-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670779

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5 (Surr)	*45*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*112*		*40 - 148*

Lab Sample ID: LCSD 460-670779/5-A
Matrix: Water
Analysis Batch: 670866

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670779

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	217		ug/L		135	38 - 146	21	30
Benzaldehyde			160	189	*	ug/L		118	46 - 111	17	30
Caprolactam			160	57.9		ug/L		36	10 - 43	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*154*	*X*	*26 - 139*
2-Fluorobiphenyl	*138*	*X*	*45 - 107*
2-Fluorophenol (Surr)	*98*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*155*	*X*	*51 - 108*
Phenol-d5 (Surr)	*70*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*164*	*X*	*40 - 148*

Lab Sample ID: MB 460-671501/1-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 00:04	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/29/20 08:57	01/30/20 00:04	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/29/20 08:57	01/30/20 00:04	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 00:04	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 00:04	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 00:04	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/29/20 08:57	01/30/20 00:04	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-671501/1-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671501

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/29/20 08:57	01/30/20 00:04	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/29/20 08:57	01/30/20 00:04	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/29/20 08:57	01/30/20 00:04	1
Acetophenone	2.3	U	10	2.3	ug/L		01/29/20 08:57	01/30/20 00:04	1
Anthracene	0.63	U	10	0.63	ug/L		01/29/20 08:57	01/30/20 00:04	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzaldehyde	2.1	U	10	2.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/29/20 08:57	01/30/20 00:04	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/29/20 08:57	01/30/20 00:04	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/29/20 08:57	01/30/20 00:04	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/29/20 08:57	01/30/20 00:04	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/29/20 08:57	01/30/20 00:04	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/29/20 08:57	01/30/20 00:04	1
Caprolactam	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 00:04	1
Carbazole	0.68	U	10	0.68	ug/L		01/29/20 08:57	01/30/20 00:04	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/29/20 08:57	01/30/20 00:04	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/29/20 08:57	01/30/20 00:04	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/29/20 08:57	01/30/20 00:04	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/29/20 08:57	01/30/20 00:04	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 00:04	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/29/20 08:57	01/30/20 00:04	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/29/20 08:57	01/30/20 00:04	1
Fluorene	0.91	U	10	0.91	ug/L		01/29/20 08:57	01/30/20 00:04	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/29/20 08:57	01/30/20 00:04	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/29/20 08:57	01/30/20 00:04	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/29/20 08:57	01/30/20 00:04	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/29/20 08:57	01/30/20 00:04	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/29/20 08:57	01/30/20 00:04	1
Isophorone	0.80	U	10	0.80	ug/L		01/29/20 08:57	01/30/20 00:04	1
Naphthalene	1.1	U	10	1.1	ug/L		01/29/20 08:57	01/30/20 00:04	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/29/20 08:57	01/30/20 00:04	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/29/20 08:57	01/30/20 00:04	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/29/20 08:57	01/30/20 00:04	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/29/20 08:57	01/30/20 00:04	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/29/20 08:57	01/30/20 00:04	1
Phenol	0.29	U	10	0.29	ug/L		01/29/20 08:57	01/30/20 00:04	1
Pyrene	1.6	U	10	1.6	ug/L		01/29/20 08:57	01/30/20 00:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*26 - 139*	*01/29/20 08:57*	*01/30/20 00:04*	*1*
2-Fluorobiphenyl	*77*		*45 - 107*	*01/29/20 08:57*	*01/30/20 00:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-671501/1-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671501

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorophenol (Surr)	51		25 - 58	01/29/20 08:57	01/30/20 00:04	1
Nitrobenzene-d5 (Surr)	89		51 - 108	01/29/20 08:57	01/30/20 00:04	1
Phenol-d5 (Surr)	36		14 - 39	01/29/20 08:57	01/30/20 00:04	1
Terphenyl-d14 (Surr)	89		40 - 148	01/29/20 08:57	01/30/20 00:04	1

Lab Sample ID: LCS 460-671501/2-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	70.6		ug/L		88	54 - 108
1,2,4,5-Tetrachlorobenzene	80.0	67.8		ug/L		85	46 - 105
2,2'-oxybis[1-chloropropane]	80.0	71.7		ug/L		90	50 - 108
2,3,4,6-Tetrachlorophenol	80.0	69.7		ug/L		87	57 - 122
2,4,5-Trichlorophenol	80.0	74.4		ug/L		93	59 - 117
2,4,6-Trichlorophenol	80.0	73.3		ug/L		92	62 - 120
2,4-Dichlorophenol	80.0	70.0		ug/L		87	62 - 102
2,4-Dimethylphenol	80.0	69.0		ug/L		86	61 - 95
2,4-Dinitrophenol	160	137		ug/L		85	45 - 125
2,4-Dinitrotoluene	80.0	76.3		ug/L		95	70 - 123
2,6-Dinitrotoluene	80.0	76.6		ug/L		96	68 - 121
2-Chloronaphthalene	80.0	69.6		ug/L		87	54 - 105
2-Chlorophenol	80.0	67.3		ug/L		84	54 - 92
2-Methylnaphthalene	80.0	69.4		ug/L		87	47 - 104
2-Methylphenol	80.0	60.0		ug/L		75	43 - 80
2-Nitroaniline	80.0	75.4		ug/L		94	46 - 124
2-Nitrophenol	80.0	73.4		ug/L		92	58 - 109
3,3'-Dichlorobenzidine	80.0	78.3		ug/L		98	68 - 123
3-Nitroaniline	80.0	72.1		ug/L		90	60 - 117
4,6-Dinitro-2-methylphenol	160	154		ug/L		96	59 - 132
4-Bromophenyl phenyl ether	80.0	71.7		ug/L		90	57 - 126
4-Chloro-3-methylphenol	80.0	67.9		ug/L		85	58 - 98
4-Chloroaniline	80.0	69.4		ug/L		87	51 - 108
4-Chlorophenyl phenyl ether	80.0	71.0		ug/L		89	60 - 114
4-Methylphenol	80.0	56.6		ug/L		71	34 - 78
4-Nitroaniline	80.0	76.3		ug/L		95	48 - 135
4-Nitrophenol	160	71.1		ug/L		44	11 - 47
Acenaphthene	80.0	70.1		ug/L		88	58 - 107
Acenaphthylene	80.0	71.5		ug/L		89	61 - 106
Acetophenone	80.0	74.2		ug/L		93	54 - 115
Anthracene	80.0	74.5		ug/L		93	70 - 118
Benzo[a]anthracene	80.0	72.3		ug/L		90	73 - 119
Benzo[a]pyrene	80.0	68.2		ug/L		85	76 - 125
Benzo[b]fluoranthene	80.0	66.4		ug/L		83	78 - 123
Benzo[g,h,i]perylene	80.0	90.8		ug/L		113	63 - 133
Benzo[k]fluoranthene	80.0	72.6		ug/L		91	71 - 126
Bis(2-chloroethoxy)methane	80.0	73.4		ug/L		92	67 - 104
Bis(2-chloroethyl)ether	80.0	72.6		ug/L		91	63 - 106

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-671501/2-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	80.0	83.6		ug/L		105	63 - 135
Butyl benzyl phthalate	80.0	76.2		ug/L		95	66 - 129
Carbazole	80.0	76.5		ug/L		96	68 - 121
Chrysene	80.0	78.1		ug/L		98	73 - 121
Dibenz(a,h)anthracene	80.0	91.2		ug/L		114	59 - 136
Dibenzofuran	80.0	70.8		ug/L		88	67 - 108
Diethyl phthalate	80.0	69.6		ug/L		87	61 - 129
Dimethyl phthalate	80.0	71.0		ug/L		89	65 - 121
Di-n-butyl phthalate	80.0	78.4		ug/L		98	64 - 130
Di-n-octyl phthalate	80.0	70.5		ug/L		88	64 - 131
Fluoranthene	80.0	74.4		ug/L		93	66 - 123
Fluorene	80.0	71.4		ug/L		89	67 - 112
Hexachlorobenzene	80.0	74.4		ug/L		93	63 - 125
Hexachlorobutadiene	80.0	59.8		ug/L		75	34 - 99
Hexachlorocyclopentadiene	80.0	67.2		ug/L		84	18 - 99
Hexachloroethane	80.0	58.9		ug/L		74	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	90.2		ug/L		113	57 - 142
Isophorone	80.0	73.4		ug/L		92	55 - 105
Naphthalene	80.0	67.7		ug/L		85	51 - 98
Nitrobenzene	80.0	75.7		ug/L		95	56 - 106
N-Nitrosodi-n-propylamine	80.0	77.4		ug/L		97	48 - 118
N-Nitrosodiphenylamine	80.0	73.0		ug/L		91	69 - 118
Pentachlorophenol	160	150		ug/L		94	54 - 120
Phenanthrene	80.0	71.6		ug/L		90	70 - 117
Phenol	80.0	37.7	*	ug/L		47	16 - 43
Pyrene	80.0	70.9		ug/L		89	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*83*		*26 - 139*
2-Fluorobiphenyl	*77*		*45 - 107*
2-Fluorophenol (Surr)	*53*		*25 - 58*
Nitrobenzene-d5 (Surr)	*83*		*51 - 108*
Phenol-d5 (Surr)	*37*		*14 - 39*
Terphenyl-d14 (Surr)	*87*		*40 - 148*

Lab Sample ID: LCS 460-671501/4-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671501

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	168		ug/L		105	38 - 146
Benzaldehyde	160	145		ug/L		90	46 - 111
Caprolactam	160	47.5		ug/L		30	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*69*		*26 - 139*
2-Fluorobiphenyl	*72*		*45 - 107*
2-Fluorophenol (Surr)	*45*		*25 - 58*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-671501/4-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671501

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Nitrobenzene-d5 (Surr)	81		51 - 108
Phenol-d5 (Surr)	34		14 - 39
Terphenyl-d14 (Surr)	83		40 - 148

Lab Sample ID: LCSD 460-671501/3-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl			80.0	68.8		ug/L		86	54 - 108	3	30
1,2,4,5-Tetrachlorobenzene			80.0	66.0		ug/L		82	46 - 105	3	30
2,2'-oxybis[1-chloropropane]			80.0	71.9		ug/L		90	50 - 108	0	30
2,3,4,6-Tetrachlorophenol			80.0	69.1		ug/L		86	57 - 122	1	30
2,4,5-Trichlorophenol			80.0	71.8		ug/L		90	59 - 117	4	30
2,4,6-Trichlorophenol			80.0	73.0		ug/L		91	62 - 120	0	30
2,4-Dichlorophenol			80.0	72.0		ug/L		90	62 - 102	3	30
2,4-Dimethylphenol			80.0	69.7		ug/L		87	61 - 95	1	30
2,4-Dinitrophenol			160	139		ug/L		87	45 - 125	1	30
2,4-Dinitrotoluene			80.0	75.9		ug/L		95	70 - 123	1	30
2,6-Dinitrotoluene			80.0	77.3		ug/L		97	68 - 121	1	30
2-Chloronaphthalene			80.0	67.3		ug/L		84	54 - 105	3	30
2-Chlorophenol			80.0	67.0		ug/L		84	54 - 92	0	30
2-Methylnaphthalene			80.0	71.0		ug/L		89	47 - 104	2	30
2-Methylphenol			80.0	60.6		ug/L		76	43 - 80	1	30
2-Nitroaniline			80.0	74.2		ug/L		93	46 - 124	2	30
2-Nitrophenol			80.0	75.0		ug/L		94	58 - 109	2	30
3,3'-Dichlorobenzidine			80.0	77.3		ug/L		97	68 - 123	1	30
3-Nitroaniline			80.0	70.3		ug/L		88	60 - 117	3	30
4,6-Dinitro-2-methylphenol			160	154		ug/L		96	59 - 132	0	30
4-Bromophenyl phenyl ether			80.0	70.8		ug/L		89	57 - 126	1	30
4-Chloro-3-methylphenol			80.0	67.2		ug/L		84	58 - 98	1	30
4-Chloroaniline			80.0	68.8		ug/L		86	51 - 108	1	30
4-Chlorophenyl phenyl ether			80.0	70.4		ug/L		88	60 - 114	1	30
4-Methylphenol			80.0	58.3		ug/L		73	34 - 78	3	30
4-Nitroaniline			80.0	73.4		ug/L		92	48 - 135	4	30
4-Nitrophenol			160	70.4		ug/L		44	11 - 47	1	30
Acenaphthene			80.0	69.0		ug/L		86	58 - 107	2	30
Acenaphthylene			80.0	70.7		ug/L		88	61 - 106	1	30
Acetophenone			80.0	74.9		ug/L		94	54 - 115	1	30
Anthracene			80.0	73.3		ug/L		92	70 - 118	2	30
Benzo[a]anthracene			80.0	73.0		ug/L		91	73 - 119	1	30
Benzo[a]pyrene			80.0	67.1		ug/L		84	76 - 125	2	30
Benzo[b]fluoranthene			80.0	66.6		ug/L		83	78 - 123	0	30
Benzo[g,h,i]perylene			80.0	87.6		ug/L		109	63 - 133	4	30
Benzo[k]fluoranthene			80.0	68.2		ug/L		85	71 - 126	6	30
Bis(2-chloroethoxy)methane			80.0	73.4		ug/L		92	67 - 104	0	30
Bis(2-chloroethyl)ether			80.0	72.7		ug/L		91	63 - 106	0	30
Bis(2-ethylhexyl) phthalate			80.0	83.9		ug/L		105	63 - 135	0	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-671501/3-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Butyl benzyl phthalate			80.0	74.3		ug/L		93	66 - 129	3	30
Carbazole			80.0	75.1		ug/L		94	68 - 121	2	30
Chrysene			80.0	76.6		ug/L		96	73 - 121	2	30
Dibenz(a,h)anthracene			80.0	89.8		ug/L		112	59 - 136	2	30
Dibenzofuran			80.0	69.6		ug/L		87	67 - 108	2	30
Diethyl phthalate			80.0	68.0		ug/L		85	61 - 129	2	30
Dimethyl phthalate			80.0	69.8		ug/L		87	65 - 121	2	30
Di-n-butyl phthalate			80.0	78.1		ug/L		98	64 - 130	0	30
Di-n-octyl phthalate			80.0	69.2		ug/L		86	64 - 131	2	30
Fluoranthene			80.0	74.3		ug/L		93	66 - 123	0	30
Fluorene			80.0	70.5		ug/L		88	67 - 112	1	30
Hexachlorobenzene			80.0	74.3		ug/L		93	63 - 125	0	30
Hexachlorobutadiene			80.0	60.9		ug/L		76	34 - 99	2	30
Hexachlorocyclopentadiene			80.0	65.4		ug/L		82	18 - 99	3	30
Hexachloroethane			80.0	59.6		ug/L		75	39 - 92	1	30
Indeno[1,2,3-cd]pyrene			80.0	88.4		ug/L		110	57 - 142	2	30
Isophorone			80.0	75.8		ug/L		95	55 - 105	3	30
Naphthalene			80.0	68.5		ug/L		86	51 - 98	1	30
Nitrobenzene			80.0	75.5		ug/L		94	56 - 106	0	30
N-Nitrosodi-n-propylamine			80.0	77.2		ug/L		97	48 - 118	0	30
N-Nitrosodiphenylamine			80.0	71.5		ug/L		89	69 - 118	2	30
Pentachlorophenol			160	148		ug/L		92	54 - 120	2	30
Phenanthrene			80.0	72.2		ug/L		90	70 - 117	1	30
Phenol			80.0	37.3	*	ug/L		47	16 - 43	1	30
Pyrene			80.0	70.3		ug/L		88	63 - 129	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*82*		*26 - 139*
2-Fluorobiphenyl	*75*		*45 - 107*
2-Fluorophenol (Surr)	*52*		*25 - 58*
Nitrobenzene-d5 (Surr)	*85*		*51 - 108*
Phenol-d5 (Surr)	*37*		*14 - 39*
Terphenyl-d14 (Surr)	*86*		*40 - 148*

Lab Sample ID: LCSD 460-671501/5-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671501

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine			160	131		ug/L		82	38 - 146	24	30
Benzaldehyde			160	145		ug/L		90	46 - 111	0	30
Caprolactam			160	40.6		ug/L		25	10 - 43	16	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*66*		*26 - 139*
2-Fluorobiphenyl	*75*		*45 - 107*
2-Fluorophenol (Surr)	*9*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*85*		*51 - 108*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-671501/5-A
Matrix: Water
Analysis Batch: 671591

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671501

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	*3*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*90*		*40 - 148*

Lab Sample ID: MB 460-672063/1-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1'-Biphenyl	1.2	U	10	1.2	ug/L		01/31/20 08:46	01/31/20 20:45	1
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4-Dinitrophenol	14	U	20	14	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		01/31/20 08:46	01/31/20 20:45	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Methylphenol	0.67	U	10	0.67	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		01/31/20 08:46	01/31/20 20:45	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		01/31/20 08:46	01/31/20 20:45	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		01/31/20 08:46	01/31/20 20:45	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		01/31/20 08:46	01/31/20 20:45	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Methylphenol	0.65	U	10	0.65	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		01/31/20 08:46	01/31/20 20:45	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		01/31/20 08:46	01/31/20 20:45	1
Acenaphthene	1.1	U	10	1.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
Acenaphthylene	0.82	U	10	0.82	ug/L		01/31/20 08:46	01/31/20 20:45	1
Acetophenone	2.3	U	10	2.3	ug/L		01/31/20 08:46	01/31/20 20:45	1
Anthracene	0.63	U	10	0.63	ug/L		01/31/20 08:46	01/31/20 20:45	1
Atrazine	1.3	U	2.0	1.3	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzaldehyde	2.1	U	10	2.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		01/31/20 08:46	01/31/20 20:45	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		01/31/20 08:46	01/31/20 20:45	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		01/31/20 08:46	01/31/20 20:45	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		01/31/20 08:46	01/31/20 20:45	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-672063/1-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672063

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		01/31/20 08:46	01/31/20 20:45	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		01/31/20 08:46	01/31/20 20:45	1
Caprolactam	0.68	U	10	0.68	ug/L		01/31/20 08:46	01/31/20 20:45	1
Carbazole	0.68	U	10	0.68	ug/L		01/31/20 08:46	01/31/20 20:45	1
Chrysene	0.91	U	2.0	0.91	ug/L		01/31/20 08:46	01/31/20 20:45	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		01/31/20 08:46	01/31/20 20:45	1
Dibenzofuran	1.1	U	10	1.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		01/31/20 08:46	01/31/20 20:45	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		01/31/20 08:46	01/31/20 20:45	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		01/31/20 08:46	01/31/20 20:45	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		01/31/20 08:46	01/31/20 20:45	1
Fluoranthene	0.84	U	10	0.84	ug/L		01/31/20 08:46	01/31/20 20:45	1
Fluorene	0.91	U	10	0.91	ug/L		01/31/20 08:46	01/31/20 20:45	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		01/31/20 08:46	01/31/20 20:45	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		01/31/20 08:46	01/31/20 20:45	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		01/31/20 08:46	01/31/20 20:45	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		01/31/20 08:46	01/31/20 20:45	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		01/31/20 08:46	01/31/20 20:45	1
Isophorone	0.80	U	10	0.80	ug/L		01/31/20 08:46	01/31/20 20:45	1
Naphthalene	1.1	U	10	1.1	ug/L		01/31/20 08:46	01/31/20 20:45	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		01/31/20 08:46	01/31/20 20:45	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		01/31/20 08:46	01/31/20 20:45	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		01/31/20 08:46	01/31/20 20:45	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		01/31/20 08:46	01/31/20 20:45	1
Phenanthrene	0.58	U	10	0.58	ug/L		01/31/20 08:46	01/31/20 20:45	1
Phenol	0.29	U	10	0.29	ug/L		01/31/20 08:46	01/31/20 20:45	1
Pyrene	1.6	U	10	1.6	ug/L		01/31/20 08:46	01/31/20 20:45	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*101*		*26 - 139*	*01/31/20 08:46*	*01/31/20 20:45*	*1*
2-Fluorobiphenyl	*91*		*45 - 107*	*01/31/20 08:46*	*01/31/20 20:45*	*1*
2-Fluorophenol (Surr)	*57*		*25 - 58*	*01/31/20 08:46*	*01/31/20 20:45*	*1*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*	*01/31/20 08:46*	*01/31/20 20:45*	*1*
Phenol-d5 (Surr)	*41*	*X*	*14 - 39*	*01/31/20 08:46*	*01/31/20 20:45*	*1*
Terphenyl-d14 (Surr)	*121*		*40 - 148*	*01/31/20 08:46*	*01/31/20 20:45*	*1*

Lab Sample ID: LCS 460-672063/2-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	80.0	74.4		ug/L		93	54 - 108
1,2,4,5-Tetrachlorobenzene	80.0	73.1		ug/L		91	46 - 105
2,2'-oxybis[1-chloropropane]	80.0	78.9		ug/L		99	50 - 108
2,3,4,6-Tetrachlorophenol	80.0	81.0		ug/L		101	57 - 122
2,4,5-Trichlorophenol	80.0	79.8		ug/L		100	59 - 117
2,4,6-Trichlorophenol	80.0	84.2		ug/L		105	62 - 120
2,4-Dichlorophenol	80.0	77.3		ug/L		97	62 - 102

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-672063/2-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dimethylphenol	80.0	73.6		ug/L		92	61 - 95
2,4-Dinitrophenol	160	150		ug/L		94	45 - 125
2,4-Dinitrotoluene	80.0	86.4		ug/L		108	70 - 123
2,6-Dinitrotoluene	80.0	87.2		ug/L		109	68 - 121
2-Chloronaphthalene	80.0	73.5		ug/L		92	54 - 105
2-Chlorophenol	80.0	69.5		ug/L		87	54 - 92
2-Methylnaphthalene	80.0	74.3		ug/L		93	47 - 104
2-Methylphenol	80.0	62.6		ug/L		78	43 - 80
2-Nitroaniline	80.0	74.8		ug/L		93	46 - 124
2-Nitrophenol	80.0	78.9		ug/L		99	58 - 109
3,3'-Dichlorobenzidine	80.0	16.4	*	ug/L		20	68 - 123
3-Nitroaniline	80.0	62.1		ug/L		78	60 - 117
4,6-Dinitro-2-methylphenol	160	182		ug/L		113	59 - 132
4-Bromophenyl phenyl ether	80.0	83.0		ug/L		104	57 - 126
4-Chloro-3-methylphenol	80.0	74.9		ug/L		94	58 - 98
4-Chloroaniline	80.0	36.4	*	ug/L		46	51 - 108
4-Chlorophenyl phenyl ether	80.0	80.9		ug/L		101	60 - 114
4-Methylphenol	80.0	55.7		ug/L		70	34 - 78
4-Nitroaniline	80.0	64.0		ug/L		80	48 - 135
4-Nitrophenol	160	67.5		ug/L		42	11 - 47
Acenaphthene	80.0	77.2		ug/L		97	58 - 107
Acenaphthylene	80.0	76.5		ug/L		96	61 - 106
Acetophenone	80.0	79.0		ug/L		99	54 - 115
Anthracene	80.0	84.8		ug/L		106	70 - 118
Benzo[a]anthracene	80.0	86.2		ug/L		108	73 - 119
Benzo[a]pyrene	80.0	81.0		ug/L		101	76 - 125
Benzo[b]fluoranthene	80.0	84.8		ug/L		106	78 - 123
Benzo[g,h,i]perylene	80.0	96.4		ug/L		121	63 - 133
Benzo[k]fluoranthene	80.0	88.9		ug/L		111	71 - 126
Bis(2-chloroethoxy)methane	80.0	79.7		ug/L		100	67 - 104
Bis(2-chloroethyl)ether	80.0	78.2		ug/L		98	63 - 106
Bis(2-ethylhexyl) phthalate	80.0	101		ug/L		127	63 - 135
Butyl benzyl phthalate	80.0	92.1		ug/L		115	66 - 129
Carbazole	80.0	82.7		ug/L		103	68 - 121
Chrysene	80.0	91.4		ug/L		114	73 - 121
Dibenz(a,h)anthracene	80.0	101		ug/L		126	59 - 136
Dibenzofuran	80.0	77.3		ug/L		97	67 - 108
Diethyl phthalate	80.0	80.0		ug/L		100	61 - 129
Dimethyl phthalate	80.0	79.7		ug/L		100	65 - 121
Di-n-butyl phthalate	80.0	90.1		ug/L		113	64 - 130
Di-n-octyl phthalate	80.0	88.9		ug/L		111	64 - 131
Fluoranthene	80.0	84.4		ug/L		106	66 - 123
Fluorene	80.0	80.5		ug/L		101	67 - 112
Hexachlorobenzene	80.0	88.3		ug/L		110	63 - 125
Hexachlorobutadiene	80.0	59.3		ug/L		74	34 - 99
Hexachlorocyclopentadiene	80.0	63.5		ug/L		79	18 - 99
Hexachloroethane	80.0	57.2		ug/L		71	39 - 92
Indeno[1,2,3-cd]pyrene	80.0	98.4		ug/L		123	57 - 142
Isophorone	80.0	78.3		ug/L		98	55 - 105

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-672063/2-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Naphthalene	80.0	69.8		ug/L		87	51 - 98
Nitrobenzene	80.0	81.3		ug/L		102	56 - 106
N-Nitrosodi-n-propylamine	80.0	78.8		ug/L		98	48 - 118
N-Nitrosodiphenylamine	80.0	78.3		ug/L		98	69 - 118
Pentachlorophenol	160	174		ug/L		108	54 - 120
Phenanthrene	80.0	83.1		ug/L		104	70 - 117
Phenol	80.0	36.7	*	ug/L		46	16 - 43
Pyrene	80.0	85.8		ug/L		107	63 - 129

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*116*		*26 - 139*
2-Fluorobiphenyl	*97*		*45 - 107*
2-Fluorophenol (Surr)	*60*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*98*		*51 - 108*
Phenol-d5 (Surr)	*43*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*123*		*40 - 148*

Lab Sample ID: LCS 460-672063/4-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Atrazine	160	9.58	*	ug/L		6	38 - 146
Benzaldehyde	160	189	*	ug/L		118	46 - 111
Caprolactam	160	12.7	*	ug/L		8	10 - 43

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*134*		*26 - 139*
2-Fluorobiphenyl	*117*	*X*	*45 - 107*
2-Fluorophenol (Surr)	*70*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*125*	*X*	*51 - 108*
Phenol-d5 (Surr)	*44*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*154*	*X*	*40 - 148*

Lab Sample ID: LCSD 460-672063/5-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Atrazine	160	265	*	ug/L		166	38 - 146	186	30
Benzaldehyde	160	194	*	ug/L		121	46 - 111	2	30
Caprolactam	160	83.5	*	ug/L		52	10 - 43	147	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*149*	*X*	*26 - 139*
2-Fluorobiphenyl	*133*	*X*	*45 - 107*
2-Fluorophenol (Surr)	*83*	*X*	*25 - 58*
Nitrobenzene-d5 (Surr)	*138*	*X*	*51 - 108*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-672063/5-A
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672063

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Phenol-d5 (Surr)	*58*	*X*	*14 - 39*
Terphenyl-d14 (Surr)	*171*	*X*	*40 - 148*

Lab Sample ID: 460-201820-D-3-A MS
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1'-Biphenyl	1.2	U	80.0	72.4		ug/L		91	54 - 108
1,2,4,5-Tetrachlorobenzene	1.2	U	80.0	71.5		ug/L		89	46 - 105
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	76.1		ug/L		95	50 - 108
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	76.3		ug/L		95	57 - 122
2,4,5-Trichlorophenol	0.88	U	80.0	76.1		ug/L		95	59 - 117
2,4,6-Trichlorophenol	0.86	U	80.0	79.4		ug/L		99	62 - 120
2,4-Dichlorophenol	1.1	U F1	80.0	73.0		ug/L		91	62 - 102
2,4-Dimethylphenol	0.62	U F1	80.0	66.6		ug/L		83	61 - 95
2,4-Dinitrophenol	14	U	160	139		ug/L		87	45 - 125
2,4-Dinitrotoluene	1.0	U	80.0	82.4		ug/L		103	70 - 123
2,6-Dinitrotoluene	0.83	U	80.0	83.7		ug/L		105	68 - 121
2-Chloronaphthalene	1.2	U	80.0	72.1		ug/L		90	54 - 105
2-Chlorophenol	0.38	U	80.0	63.6		ug/L		80	54 - 92
2-Methylnaphthalene	1.1	U F1	80.0	73.8		ug/L		92	47 - 104
2-Methylphenol	0.67	U	80.0	54.3		ug/L		68	43 - 80
2-Nitroaniline	0.47	U	80.0	73.4		ug/L		92	46 - 124
2-Nitrophenol	0.75	U	80.0	74.9		ug/L		94	58 - 109
3,3'-Dichlorobenzidine	1.4	U *	80.0	60.7		ug/L		76	68 - 123
3-Nitroaniline	1.9	U	80.0	62.1		ug/L		78	60 - 117
4,6-Dinitro-2-methylphenol	13	U	160	166		ug/L		104	59 - 132
4-Bromophenyl phenyl ether	0.75	U	80.0	79.1		ug/L		99	57 - 126
4-Chloro-3-methylphenol	0.58	U F1	80.0	70.0		ug/L		87	58 - 98
4-Chloroaniline	1.9	U *	80.0	57.6		ug/L		72	51 - 108
4-Chlorophenyl phenyl ether	1.3	U	80.0	77.9		ug/L		97	60 - 114
4-Methylphenol	0.65	U	80.0	48.1		ug/L		60	34 - 78
4-Nitroaniline	1.2	U	80.0	64.1		ug/L		80	48 - 135
4-Nitrophenol	4.0	U	160	66.4		ug/L		42	11 - 47
Acenaphthene	1.1	U F1	80.0	74.1		ug/L		93	58 - 107
Acenaphthylene	0.82	U F1	80.0	75.2		ug/L		94	61 - 106
Acetophenone	2.3	U	80.0	77.4		ug/L		97	54 - 115
Anthracene	0.63	U	80.0	80.0		ug/L		100	70 - 118
Atrazine	1.3	U *	160	195	E	ug/L		122	38 - 146
Benzaldehyde	2.1	U *	160	149		ug/L		93	46 - 111
Benzo[a]anthracene	0.59	U	80.0	78.9		ug/L		99	73 - 119
Benzo[a]pyrene	0.41	U	80.0	73.9		ug/L		92	76 - 125
Benzo[b]fluoranthene	0.68	U	80.0	75.7		ug/L		95	78 - 123
Benzo[g,h,i]perylene	1.4	U	80.0	87.9		ug/L		110	63 - 133
Benzo[k]fluoranthene	0.67	U	80.0	77.9		ug/L		97	71 - 126
Bis(2-chloroethoxy)methane	0.59	U F1	80.0	76.3		ug/L		95	67 - 104
Bis(2-chloroethyl)ether	0.63	U F1	80.0	75.4		ug/L		94	63 - 106

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201820-D-3-A MS
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bis(2-ethylhexyl) phthalate	1.7	U F1	80.0	94.9		ug/L		119	63 - 135
Butyl benzyl phthalate	0.85	U	80.0	84.3		ug/L		105	66 - 129
Caprolactam	0.68	U *	160	45.8		ug/L		29	10 - 43
Carbazole	0.68	U	80.0	78.5		ug/L		98	68 - 121
Chrysene	0.91	U F1	80.0	85.0		ug/L		106	73 - 121
Dibenz(a,h)anthracene	0.72	U F1	80.0	87.1		ug/L		109	59 - 136
Dibenzofuran	1.1	U	80.0	74.1		ug/L		93	67 - 108
Diethyl phthalate	0.98	U	80.0	76.4		ug/L		95	61 - 129
Dimethyl phthalate	0.77	U	80.0	75.7		ug/L		95	65 - 121
Di-n-butyl phthalate	0.84	U	80.0	85.8		ug/L		107	64 - 130
Di-n-octyl phthalate	4.8	U	80.0	82.0		ug/L		103	64 - 131
Fluoranthene	0.84	U	80.0	78.8		ug/L		98	66 - 123
Fluorene	0.91	U F1	80.0	78.2		ug/L		98	67 - 112
Hexachlorobenzene	0.40	U	80.0	83.9		ug/L		105	63 - 125
Hexachlorobutadiene	0.78	U	80.0	63.0		ug/L		79	34 - 99
Hexachlorocyclopentadiene	3.6	U	80.0	67.6		ug/L		84	18 - 99
Hexachloroethane	0.80	U	80.0	62.6		ug/L		78	39 - 92
Indeno[1,2,3-cd]pyrene	0.94	U	80.0	89.7		ug/L		112	57 - 142
Isophorone	0.80	U F1	80.0	75.4		ug/L		94	55 - 105
Naphthalene	6.5	J	80.0	83.5		ug/L		96	51 - 98
Nitrobenzene	0.57	U F1	80.0	79.7		ug/L		100	56 - 106
N-Nitrosodi-n-propylamine	0.43	U	80.0	77.1		ug/L		96	48 - 118
N-Nitrosodiphenylamine	0.89	U	80.0	77.7		ug/L		97	69 - 118
Pentachlorophenol	1.4	U	160	158		ug/L		99	54 - 120
Phenanthrene	0.58	U	80.0	77.8		ug/L		97	70 - 117
Phenol	0.29	U *	80.0	30.5		ug/L		38	16 - 43
Pyrene	1.6	U	80.0	79.6		ug/L		100	63 - 129

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*110*		*26 - 139*
2-Fluorobiphenyl	*94*		*45 - 107*
2-Fluorophenol (Surr)	*51*		*25 - 58*
Nitrobenzene-d5 (Surr)	*96*		*51 - 108*
Phenol-d5 (Surr)	*34*		*14 - 39*
Terphenyl-d14 (Surr)	*113*		*40 - 148*

Lab Sample ID: 460-201820-E-3-A MSD
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1'-Biphenyl	1.2	U	80.0	84.5		ug/L		106	54 - 108	15	30
1,2,4,5-Tetrachlorobenzene	1.2	U	80.0	82.1		ug/L		103	46 - 105	14	30
2,2'-oxybis[1-chloropropane]	0.63	U	80.0	85.9		ug/L		107	50 - 108	12	30
2,3,4,6-Tetrachlorophenol	0.75	U	80.0	88.3		ug/L		110	57 - 122	15	30
2,4,5-Trichlorophenol	0.88	U	80.0	89.0		ug/L		111	59 - 117	16	30
2,4,6-Trichlorophenol	0.86	U	80.0	91.5		ug/L		114	62 - 120	14	30
2,4-Dichlorophenol	1.1	U F1	80.0	83.0	F1	ug/L		104	62 - 102	13	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201820-E-3-A MSD
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dimethylphenol	0.62	U F1	80.0	77.7	F1	ug/L		97	61 - 95	15	30
2,4-Dinitrophenol	14	U	160	165		ug/L		103	45 - 125	17	30
2,4-Dinitrotoluene	1.0	U	80.0	96.0		ug/L		120	70 - 123	15	30
2,6-Dinitrotoluene	0.83	U	80.0	96.8		ug/L		121	68 - 121	15	30
2-Chloronaphthalene	1.2	U	80.0	82.5		ug/L		103	54 - 105	13	30
2-Chlorophenol	0.38	U	80.0	72.3		ug/L		90	54 - 92	13	30
2-Methylnaphthalene	1.1	U F1	80.0	85.4	F1	ug/L		107	47 - 104	15	30
2-Methylphenol	0.67	U	80.0	62.7		ug/L		78	43 - 80	14	30
2-Nitroaniline	0.47	U	80.0	83.0		ug/L		104	46 - 124	12	30
2-Nitrophenol	0.75	U	80.0	86.8		ug/L		109	58 - 109	15	30
3,3'-Dichlorobenzidine	1.4	U *	80.0	80.2		ug/L		100	68 - 123	28	30
3-Nitroaniline	1.9	U	80.0	74.9		ug/L		94	60 - 117	19	30
4,6-Dinitro-2-methylphenol	13	U	160	200		ug/L		125	59 - 132	18	30
4-Bromophenyl phenyl ether	0.75	U	80.0	92.4		ug/L		115	57 - 126	16	30
4-Chloro-3-methylphenol	0.58	U F1	80.0	81.6	F1	ug/L		102	58 - 98	15	30
4-Chloroaniline	1.9	U *	80.0	73.1		ug/L		91	51 - 108	24	30
4-Chlorophenyl phenyl ether	1.3	U	80.0	89.8		ug/L		112	60 - 114	14	30
4-Methylphenol	0.65	U	80.0	55.1		ug/L		69	34 - 78	13	30
4-Nitroaniline	1.2	U	80.0	71.9		ug/L		90	48 - 135	11	30
4-Nitrophenol	4.0	U	160	73.4		ug/L		46	11 - 47	10	30
Acenaphthene	1.1	U F1	80.0	86.4	F1	ug/L		108	58 - 107	15	30
Acenaphthylene	0.82	U F1	80.0	87.2	F1	ug/L		109	61 - 106	15	30
Acetophenone	2.3	U	80.0	88.7		ug/L		111	54 - 115	14	30
Anthracene	0.63	U	80.0	94.6		ug/L		118	70 - 118	17	30
Atrazine	1.3	U *	160	198	E	ug/L		124	38 - 146	1	30
Benzaldehyde	2.1	U *	160	149		ug/L		93	46 - 111	0	30
Benzo[a]anthracene	0.59	U	80.0	94.0		ug/L		117	73 - 119	17	30
Benzo[a]pyrene	0.41	U	80.0	86.5		ug/L		108	76 - 125	16	30
Benzo[b]fluoranthene	0.68	U	80.0	89.1		ug/L		111	78 - 123	16	30
Benzo[g,h,i]perylene	1.4	U	80.0	105		ug/L		131	63 - 133	18	30
Benzo[k]fluoranthene	0.67	U	80.0	90.8		ug/L		113	71 - 126	15	30
Bis(2-chloroethoxy)methane	0.59	U F1	80.0	89.0	F1	ug/L		111	67 - 104	15	30
Bis(2-chloroethyl)ether	0.63	U F1	80.0	85.5	F1	ug/L		107	63 - 106	13	30
Bis(2-ethylhexyl) phthalate	1.7	U F1	80.0	112	F1	ug/L		140	63 - 135	17	30
Butyl benzyl phthalate	0.85	U	80.0	102		ug/L		128	66 - 129	20	30
Caprolactam	0.68	U *	160	46.9		ug/L		29	10 - 43	3	30
Carbazole	0.68	U	80.0	92.3		ug/L		115	68 - 121	16	30
Chrysene	0.91	U F1	80.0	101	F1	ug/L		126	73 - 121	17	30
Dibenz(a,h)anthracene	0.72	U F1	80.0	109	F1	ug/L		137	59 - 136	23	30
Dibenzofuran	1.1	U	80.0	85.7		ug/L		107	67 - 108	14	30
Diethyl phthalate	0.98	U	80.0	87.8		ug/L		110	61 - 129	14	30
Dimethyl phthalate	0.77	U	80.0	87.2		ug/L		109	65 - 121	14	30
Di-n-butyl phthalate	0.84	U	80.0	100		ug/L		125	64 - 130	15	30
Di-n-octyl phthalate	4.8	U	80.0	95.9		ug/L		120	64 - 131	16	30
Fluoranthene	0.84	U	80.0	93.2		ug/L		117	66 - 123	17	30
Fluorene	0.91	U F1	80.0	90.1	F1	ug/L		113	67 - 112	14	30
Hexachlorobenzene	0.40	U	80.0	98.0		ug/L		123	63 - 125	15	30
Hexachlorobutadiene	0.78	U	80.0	70.5		ug/L		88	34 - 99	11	30
Hexachlorocyclopentadiene	3.6	U	80.0	79.4		ug/L		99	18 - 99	16	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-201820-E-3-A MSD
Matrix: Water
Analysis Batch: 672220

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 672063

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachloroethane	0.80	U	80.0	66.8		ug/L		84	39 - 92	7	30
Indeno[1,2,3-cd]pyrene	0.94	U	80.0	107		ug/L		134	57 - 142	17	30
Isophorone	0.80	U F1	80.0	87.7	F1	ug/L		110	55 - 105	15	30
Naphthalene	6.5	J	80.0	80.7		ug/L		93	51 - 98	3	30
Nitrobenzene	0.57	U F1	80.0	93.7	F1	ug/L		117	56 - 106	16	30
N-Nitrosodi-n-propylamine	0.43	U	80.0	88.3		ug/L		110	48 - 118	14	30
N-Nitrosodiphenylamine	0.89	U	80.0	91.6		ug/L		115	69 - 118	16	30
Pentachlorophenol	1.4	U	160	186		ug/L		116	54 - 120	16	30
Phenanthrene	0.58	U	80.0	91.7		ug/L		115	70 - 117	16	30
Phenol	0.29	U *	80.0	34.3		ug/L		43	16 - 43	12	30
Pyrene	1.6	U	80.0	94.5		ug/L		118	63 - 129	17	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*121*		*26 - 139*
2-Fluorobiphenyl	*103*		*45 - 107*
2-Fluorophenol (Surr)	*53*		*25 - 58*
Nitrobenzene-d5 (Surr)	*105*		*51 - 108*
Phenol-d5 (Surr)	*35*		*14 - 39*
Terphenyl-d14 (Surr)	*126*		*40 - 148*

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)

Lab Sample ID: MB 460-672071/1-A
Matrix: Water
Analysis Batch: 672228

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672071

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.016	U	0.20	0.016	ug/L		01/31/20 09:09	01/31/20 20:37	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,4-Dioxane-d8	*52*		*10 - 150*	*01/31/20 09:09*	*01/31/20 20:37*	*1*

Lab Sample ID: LCS 460-672071/2-A
Matrix: Water
Analysis Batch: 672228

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672071

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dioxane	1.60	1.19		ug/L		74	10 - 200

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,4-Dioxane-d8	*51*		*10 - 200*

Lab Sample ID: LCSD 460-672071/3-A
Matrix: Water
Analysis Batch: 672228

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 672071

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dioxane	1.60	1.18		ug/L		74	10 - 200	1	50

Method: 8270D SIM ID - Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution) (Continued)

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
1,4-Dioxane-d8	63		10 - 200

Method: 8081B - Organochlorine Pesticides (GC)

Lab Sample ID: MB 460-670833/1-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670833

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 05:37	1
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 05:37	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 05:37	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 05:37	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/26/20 15:55	01/28/20 05:37	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/26/20 15:55	01/28/20 05:37	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/26/20 15:55	01/28/20 05:37	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/26/20 15:55	01/28/20 05:37	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 05:37	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 05:37	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 05:37	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/26/20 15:55	01/28/20 05:37	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/26/20 15:55	01/28/20 05:37	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/26/20 15:55	01/28/20 05:37	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/26/20 15:55	01/28/20 05:37	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 05:37	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/26/20 15:55	01/28/20 05:37	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/26/20 15:55	01/28/20 05:37	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/26/20 15:55	01/28/20 05:37	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/26/20 15:55	01/28/20 05:37	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-670833/1-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670833

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	84		10 - 150	01/26/20 15:55	01/28/20 05:37	1
DCB Decachlorobiphenyl	73		10 - 150	01/26/20 15:55	01/28/20 05:37	1
Tetrachloro-m-xylene	74		12 - 136	01/26/20 15:55	01/28/20 05:37	1
Tetrachloro-m-xylene	75		12 - 136	01/26/20 15:55	01/28/20 05:37	1

Lab Sample ID: LCS 460-670833/2-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670833

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.695		ug/L		87	58 - 136
4,4'-DDD	0.800	0.677		ug/L		85	58 - 136
4,4'-DDE	0.800	0.682		ug/L		85	56 - 132
4,4'-DDE	0.800	0.654		ug/L		82	56 - 132
4,4'-DDT	0.800	0.607		ug/L		76	56 - 134
4,4'-DDT	0.800	0.632		ug/L		79	56 - 134
Aldrin	0.800	0.691		ug/L		86	52 - 125
Aldrin	0.800	0.692		ug/L		87	52 - 125
alpha-BHC	0.800	0.650		ug/L		81	57 - 133
alpha-BHC	0.800	0.690		ug/L		86	57 - 133
beta-BHC	0.800	0.627		ug/L		78	61 - 134
beta-BHC	0.800	0.653		ug/L		82	61 - 134
delta-BHC	0.800	0.583		ug/L		73	56 - 130
delta-BHC	0.800	0.597		ug/L		75	56 - 130
Dieldrin	0.800	0.660		ug/L		83	61 - 135
Dieldrin	0.800	0.665		ug/L		83	61 - 135
Endosulfan I	0.800	0.641		ug/L		80	61 - 134
Endosulfan I	0.800	0.650		ug/L		81	61 - 134
Endosulfan II	0.800	0.611		ug/L		76	61 - 133
Endosulfan II	0.800	0.606		ug/L		76	61 - 133
Endosulfan sulfate	0.800	0.642		ug/L		80	59 - 133
Endosulfan sulfate	0.800	0.608		ug/L		76	59 - 133
Endrin	0.800	0.662		ug/L		83	60 - 135
Endrin	0.800	0.656		ug/L		82	60 - 135
Endrin aldehyde	0.800	0.635		ug/L		79	59 - 130
Endrin aldehyde	0.800	0.603		ug/L		75	59 - 130
Endrin ketone	0.800	0.626		ug/L		78	60 - 137
Endrin ketone	0.800	0.640		ug/L		80	60 - 137
gamma-BHC (Lindane)	0.800	0.644		ug/L		81	59 - 131
gamma-BHC (Lindane)	0.800	0.680		ug/L		85	59 - 131
Heptachlor	0.800	0.649		ug/L		81	54 - 126
Heptachlor	0.800	0.664		ug/L		83	54 - 126
Heptachlor epoxide	0.800	0.662		ug/L		83	60 - 130
Heptachlor epoxide	0.800	0.645		ug/L		81	60 - 130
Methoxychlor	0.800	0.669		ug/L		84	57 - 133
Methoxychlor	0.800	0.675		ug/L		84	57 - 133

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-670833/2-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670833

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	77		10 - 150
DCB Decachlorobiphenyl	76		10 - 150
Tetrachloro-m-xylene	69		12 - 136
Tetrachloro-m-xylene	76		12 - 136

Lab Sample ID: LCSD 460-670833/3-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670833

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.742		ug/L		93	58 - 136	7	30
4,4'-DDD			0.800	0.724		ug/L		91	58 - 136	7	30
4,4'-DDE			0.800	0.729		ug/L		91	56 - 132	7	30
4,4'-DDE			0.800	0.695		ug/L		87	56 - 132	6	30
4,4'-DDT			0.800	0.648		ug/L		81	56 - 134	7	30
4,4'-DDT			0.800	0.677		ug/L		85	56 - 134	7	30
Aldrin			0.800	0.730		ug/L		91	52 - 125	5	30
Aldrin			0.800	0.733		ug/L		92	52 - 125	6	30
alpha-BHC			0.800	0.678		ug/L		85	57 - 133	4	30
alpha-BHC			0.800	0.727		ug/L		91	57 - 133	5	30
beta-BHC			0.800	0.663		ug/L		83	61 - 134	6	30
beta-BHC			0.800	0.692		ug/L		87	61 - 134	6	30
delta-BHC			0.800	0.620		ug/L		78	56 - 130	6	30
delta-BHC			0.800	0.636		ug/L		79	56 - 130	6	30
Dieldrin			0.800	0.706		ug/L		88	61 - 135	7	30
Dieldrin			0.800	0.712		ug/L		89	61 - 135	7	30
Endosulfan I			0.800	0.683		ug/L		85	61 - 134	6	30
Endosulfan I			0.800	0.692		ug/L		86	61 - 134	6	30
Endosulfan II			0.800	0.652		ug/L		82	61 - 133	7	30
Endosulfan II			0.800	0.649		ug/L		81	61 - 133	7	30
Endosulfan sulfate			0.800	0.683		ug/L		85	59 - 133	6	30
Endosulfan sulfate			0.800	0.650		ug/L		81	59 - 133	7	30
Endrin			0.800	0.712		ug/L		89	60 - 135	7	30
Endrin			0.800	0.703		ug/L		88	60 - 135	7	30
Endrin aldehyde			0.800	0.673		ug/L		84	59 - 130	6	30
Endrin aldehyde			0.800	0.640		ug/L		80	59 - 130	6	30
Endrin ketone			0.800	0.664		ug/L		83	60 - 137	6	30
Endrin ketone			0.800	0.684		ug/L		85	60 - 137	7	30
gamma-BHC (Lindane)			0.800	0.679		ug/L		85	59 - 131	5	30
gamma-BHC (Lindane)			0.800	0.720		ug/L		90	59 - 131	6	30
Heptachlor			0.800	0.684		ug/L		86	54 - 126	5	30
Heptachlor			0.800	0.701		ug/L		88	54 - 126	5	30
Heptachlor epoxide			0.800	0.702		ug/L		88	60 - 130	6	30
Heptachlor epoxide			0.800	0.688		ug/L		86	60 - 130	6	30
Methoxychlor			0.800	0.711		ug/L		89	57 - 133	6	30
Methoxychlor			0.800	0.716		ug/L		89	57 - 133	6	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-670833/3-A
Matrix: Water
Analysis Batch: 671160

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670833

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	78		10 - 150
DCB Decachlorobiphenyl	77		10 - 150
Tetrachloro-m-xylene	67		12 - 136
Tetrachloro-m-xylene	76		12 - 136

Lab Sample ID: LB 460-671307/6-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671307

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 06:21	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 06:21	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 06:21	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 06:21	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/28/20 15:46	01/29/20 06:21	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 06:21	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/28/20 15:46	01/29/20 06:21	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 06:21	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 06:21	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 06:21	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/28/20 15:46	01/29/20 06:21	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 06:21	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 06:21	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 06:21	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/28/20 15:46	01/29/20 06:21	1

Surrogate	LB %Recovery	LB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	49		10 - 150	01/28/20 15:46	01/29/20 06:21	1
DCB Decachlorobiphenyl	47		10 - 150	01/28/20 15:46	01/29/20 06:21	1
Tetrachloro-m-xylene	31		12 - 136	01/28/20 15:46	01/29/20 06:21	1
Tetrachloro-m-xylene	32		12 - 136	01/28/20 15:46	01/29/20 06:21	1

Lab Sample ID: MB 460-671307/1-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 05:22	1
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 05:22	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 05:22	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 05:22	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-671307/1-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671307

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/28/20 15:46	01/29/20 05:22	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/28/20 15:46	01/29/20 05:22	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/28/20 15:46	01/29/20 05:22	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/28/20 15:46	01/29/20 05:22	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 05:22	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 05:22	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 05:22	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/28/20 15:46	01/29/20 05:22	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/28/20 15:46	01/29/20 05:22	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/28/20 15:46	01/29/20 05:22	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/28/20 15:46	01/29/20 05:22	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 05:22	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/28/20 15:46	01/29/20 05:22	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/28/20 15:46	01/29/20 05:22	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/28/20 15:46	01/29/20 05:22	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/28/20 15:46	01/29/20 05:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*84*		*10 - 150*	*01/28/20 15:46*	*01/29/20 05:22*	*1*
DCB Decachlorobiphenyl	*83*		*10 - 150*	*01/28/20 15:46*	*01/29/20 05:22*	*1*
Tetrachloro-m-xylene	*73*		*12 - 136*	*01/28/20 15:46*	*01/29/20 05:22*	*1*
Tetrachloro-m-xylene	*82*		*12 - 136*	*01/28/20 15:46*	*01/29/20 05:22*	*1*

Lab Sample ID: LCS 460-671307/2-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.673		ug/L		84	58 - 136
4,4'-DDD	0.800	0.633		ug/L		79	58 - 136

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-671307/2-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671307

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDE	0.800	0.585		ug/L		73	56 - 132
4,4'-DDE	0.800	0.556		ug/L		70	56 - 132
4,4'-DDT	0.800	0.549		ug/L		69	56 - 134
4,4'-DDT	0.800	0.588		ug/L		74	56 - 134
Aldrin	0.800	0.479		ug/L		60	52 - 125
Aldrin	0.800	0.477		ug/L		60	52 - 125
alpha-BHC	0.800	0.634		ug/L		79	57 - 133
alpha-BHC	0.800	0.671		ug/L		84	57 - 133
beta-BHC	0.800	0.629		ug/L		79	61 - 134
beta-BHC	0.800	0.657		ug/L		82	61 - 134
delta-BHC	0.800	0.591		ug/L		74	56 - 130
delta-BHC	0.800	0.599		ug/L		75	56 - 130
Dieldrin	0.800	0.629		ug/L		79	61 - 135
Dieldrin	0.800	0.627		ug/L		78	61 - 135
Endosulfan I	0.800	0.616		ug/L		77	61 - 134
Endosulfan I	0.800	0.621		ug/L		78	61 - 134
Endosulfan II	0.800	0.606		ug/L		76	61 - 133
Endosulfan II	0.800	0.597		ug/L		75	61 - 133
Endosulfan sulfate	0.800	0.644		ug/L		80	59 - 133
Endosulfan sulfate	0.800	0.606		ug/L		76	59 - 133
Endrin	0.800	0.635		ug/L		79	60 - 135
Endrin	0.800	0.625		ug/L		78	60 - 135
Endrin aldehyde	0.800	0.654		ug/L		82	59 - 130
Endrin aldehyde	0.800	0.617		ug/L		77	59 - 130
Endrin ketone	0.800	0.630		ug/L		79	60 - 137
Endrin ketone	0.800	0.641		ug/L		80	60 - 137
gamma-BHC (Lindane)	0.800	0.637		ug/L		80	59 - 131
gamma-BHC (Lindane)	0.800	0.668		ug/L		84	59 - 131
Heptachlor	0.800	0.481		ug/L		60	54 - 126
Heptachlor	0.800	0.487		ug/L		61	54 - 126
Heptachlor epoxide	0.800	0.630		ug/L		79	60 - 130
Heptachlor epoxide	0.800	0.610		ug/L		76	60 - 130
Methoxychlor	0.800	0.638		ug/L		80	57 - 133
Methoxychlor	0.800	0.647		ug/L		81	57 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*35*		*10 - 150*
DCB Decachlorobiphenyl	*33*		*10 - 150*
Tetrachloro-m-xylene	*37*		*12 - 136*
Tetrachloro-m-xylene	*44*		*12 - 136*

Lab Sample ID: LCSD 460-671307/3-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671307

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD	0.800	0.713		ug/L		89	58 - 136	6	30
4,4'-DDD	0.800	0.685		ug/L		86	58 - 136	8	30

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-671307/3-A
Matrix: Water
Analysis Batch: 671422

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671307

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDE			0.800	0.625		ug/L		78	56 - 132	7	30
4,4'-DDE			0.800	0.596		ug/L		75	56 - 132	7	30
4,4'-DDT			0.800	0.595		ug/L		74	56 - 134	8	30
4,4'-DDT			0.800	0.613		ug/L		77	56 - 134	4	30
Aldrin			0.800	0.485		ug/L		61	52 - 125	1	30
Aldrin			0.800	0.485		ug/L		61	52 - 125	2	30
alpha-BHC			0.800	0.673		ug/L		84	57 - 133	6	30
alpha-BHC			0.800	0.716		ug/L		90	57 - 133	6	30
beta-BHC			0.800	0.672		ug/L		84	61 - 134	7	30
beta-BHC			0.800	0.711		ug/L		89	61 - 134	8	30
delta-BHC			0.800	0.636		ug/L		80	56 - 130	7	30
delta-BHC			0.800	0.651		ug/L		81	56 - 130	8	30
Dieldrin			0.800	0.675		ug/L		84	61 - 135	7	30
Dieldrin			0.800	0.671		ug/L		84	61 - 135	7	30
Endosulfan I			0.800	0.658		ug/L		82	61 - 134	7	30
Endosulfan I			0.800	0.660		ug/L		83	61 - 134	6	30
Endosulfan II			0.800	0.654		ug/L		82	61 - 133	8	30
Endosulfan II			0.800	0.643		ug/L		80	61 - 133	7	30
Endosulfan sulfate			0.800	0.694		ug/L		87	59 - 133	8	30
Endosulfan sulfate			0.800	0.654		ug/L		82	59 - 133	8	30
Endrin			0.800	0.680		ug/L		85	60 - 135	7	30
Endrin			0.800	0.671		ug/L		84	60 - 135	7	30
Endrin aldehyde			0.800	0.693		ug/L		87	59 - 130	6	30
Endrin aldehyde			0.800	0.655		ug/L		82	59 - 130	6	30
Endrin ketone			0.800	0.676		ug/L		85	60 - 137	7	30
Endrin ketone			0.800	0.689		ug/L		86	60 - 137	7	30
gamma-BHC (Lindane)			0.800	0.682		ug/L		85	59 - 131	7	30
gamma-BHC (Lindane)			0.800	0.712		ug/L		89	59 - 131	6	30
Heptachlor			0.800	0.490		ug/L		61	54 - 126	2	30
Heptachlor			0.800	0.496		ug/L		62	54 - 126	2	30
Heptachlor epoxide			0.800	0.670		ug/L		84	60 - 130	6	30
Heptachlor epoxide			0.800	0.651		ug/L		81	60 - 130	7	30
Methoxychlor			0.800	0.685		ug/L		86	57 - 133	7	30
Methoxychlor			0.800	0.689		ug/L		86	57 - 133	6	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*42*		*10 - 150*
DCB Decachlorobiphenyl	*41*		*10 - 150*
Tetrachloro-m-xylene	*38*		*12 - 136*
Tetrachloro-m-xylene	*43*		*12 - 136*

Lab Sample ID: MB 460-671865/1-A
Matrix: Water
Analysis Batch: 672001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 06:13	1
4,4'-DDD	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 06:13	1

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 460-671865/1-A
Matrix: Water
Analysis Batch: 672001

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671865

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 06:13	1
4,4'-DDE	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 06:13	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
4,4'-DDT	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
Aldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/30/20 15:53	01/31/20 06:13	1
alpha-BHC	0.0070	U	0.020	0.0070	ug/L		01/30/20 15:53	01/31/20 06:13	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
beta-BHC	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/30/20 15:53	01/31/20 06:13	1
Chlordane (technical)	0.055	U	0.50	0.055	ug/L		01/30/20 15:53	01/31/20 06:13	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 06:13	1
delta-BHC	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 06:13	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
Dieldrin	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan I	0.0020	U	0.020	0.0020	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan II	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endosulfan sulfate	0.0060	U	0.020	0.0060	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin aldehyde	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 06:13	1
Endrin ketone	0.0080	U	0.020	0.0080	ug/L		01/30/20 15:53	01/31/20 06:13	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/30/20 15:53	01/31/20 06:13	1
gamma-BHC (Lindane)	0.012	U	0.020	0.012	ug/L		01/30/20 15:53	01/31/20 06:13	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
Heptachlor	0.0030	U	0.020	0.0030	ug/L		01/30/20 15:53	01/31/20 06:13	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 06:13	1
Heptachlor epoxide	0.0050	U	0.020	0.0050	ug/L		01/30/20 15:53	01/31/20 06:13	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Methoxychlor	0.0040	U	0.020	0.0040	ug/L		01/30/20 15:53	01/31/20 06:13	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/30/20 15:53	01/31/20 06:13	1
Toxaphene	0.11	U	0.50	0.11	ug/L		01/30/20 15:53	01/31/20 06:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*59*		*10 - 150*	*01/30/20 15:53*	*01/31/20 06:13*	*1*
DCB Decachlorobiphenyl	*56*		*10 - 150*	*01/30/20 15:53*	*01/31/20 06:13*	*1*
Tetrachloro-m-xylene	*43*		*12 - 136*	*01/30/20 15:53*	*01/31/20 06:13*	*1*
Tetrachloro-m-xylene	*47*		*12 - 136*	*01/30/20 15:53*	*01/31/20 06:13*	*1*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCS 460-671865/2-A
Matrix: Water
Analysis Batch: 672001

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671865

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4,4'-DDD	0.800	0.656		ug/L		82	58 - 136
4,4'-DDD	0.800	0.593		ug/L		74	58 - 136
4,4'-DDE	0.800	0.593		ug/L		74	56 - 132
4,4'-DDE	0.800	0.544		ug/L		68	56 - 132
4,4'-DDT	0.800	0.611		ug/L		76	56 - 134
4,4'-DDT	0.800	0.625		ug/L		78	56 - 134
Aldrin	0.800	0.483		ug/L		60	52 - 125
Aldrin	0.800	0.469		ug/L		59	52 - 125
alpha-BHC	0.800	0.638		ug/L		80	57 - 133
alpha-BHC	0.800	0.663		ug/L		83	57 - 133
beta-BHC	0.800	0.627		ug/L		78	61 - 134
beta-BHC	0.800	0.644		ug/L		80	61 - 134
delta-BHC	0.800	0.589		ug/L		74	56 - 130
delta-BHC	0.800	0.588		ug/L		73	56 - 130
Dieldrin	0.800	0.642		ug/L		80	61 - 135
Dieldrin	0.800	0.616		ug/L		77	61 - 135
Endosulfan I	0.800	0.617		ug/L		77	61 - 134
Endosulfan I	0.800	0.609		ug/L		76	61 - 134
Endosulfan II	0.800	0.618		ug/L		77	61 - 133
Endosulfan II	0.800	0.599		ug/L		75	61 - 133
Endosulfan sulfate	0.800	0.661		ug/L		83	59 - 133
Endosulfan sulfate	0.800	0.607		ug/L		76	59 - 133
Endrin	0.800	0.660		ug/L		82	60 - 135
Endrin	0.800	0.629		ug/L		79	60 - 135
Endrin aldehyde	0.800	0.666		ug/L		83	59 - 130
Endrin aldehyde	0.800	0.615		ug/L		77	59 - 130
Endrin ketone	0.800	0.627		ug/L		78	60 - 137
Endrin ketone	0.800	0.627		ug/L		78	60 - 137
gamma-BHC (Lindane)	0.800	0.639		ug/L		80	59 - 131
gamma-BHC (Lindane)	0.800	0.657		ug/L		82	59 - 131
Heptachlor	0.800	0.490		ug/L		61	54 - 126
Heptachlor	0.800	0.486		ug/L		61	54 - 126
Heptachlor epoxide	0.800	0.637		ug/L		80	60 - 130
Heptachlor epoxide	0.800	0.601		ug/L		75	60 - 130
Methoxychlor	0.800	0.700		ug/L		87	57 - 133
Methoxychlor	0.800	0.660		ug/L		82	57 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*36*		*10 - 150*
DCB Decachlorobiphenyl	*33*		*10 - 150*
Tetrachloro-m-xylene	*39*		*12 - 136*
Tetrachloro-m-xylene	*43*		*12 - 136*

Method: 8081B - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 460-671865/3-A
Matrix: Water
Analysis Batch: 672001

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671865

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4,4'-DDD			0.800	0.664		ug/L		83	58 - 136	1	30
4,4'-DDD			0.800	0.646		ug/L		81	58 - 136	9	30
4,4'-DDE			0.800	0.613		ug/L		77	56 - 132	3	30
4,4'-DDE			0.800	0.592		ug/L		74	56 - 132	8	30
4,4'-DDT			0.800	0.631		ug/L		79	56 - 134	3	30
4,4'-DDT			0.800	0.657		ug/L		82	56 - 134	5	30
Aldrin			0.800	0.478		ug/L		60	52 - 125	1	30
Aldrin			0.800	0.483		ug/L		60	52 - 125	3	30
alpha-BHC			0.800	0.664		ug/L		83	57 - 133	4	30
alpha-BHC			0.800	0.709		ug/L		89	57 - 133	7	30
beta-BHC			0.800	0.648		ug/L		81	61 - 134	3	30
beta-BHC			0.800	0.698		ug/L		87	61 - 134	8	30
delta-BHC			0.800	0.613		ug/L		77	56 - 130	4	30
delta-BHC			0.800	0.638		ug/L		80	56 - 130	8	30
Dieldrin			0.800	0.663		ug/L		83	61 - 135	3	30
Dieldrin			0.800	0.671		ug/L		84	61 - 135	9	30
Endosulfan I			0.800	0.634		ug/L		79	61 - 134	3	30
Endosulfan I			0.800	0.659		ug/L		82	61 - 134	8	30
Endosulfan II			0.800	0.641		ug/L		80	61 - 133	4	30
Endosulfan II			0.800	0.646		ug/L		81	61 - 133	8	30
Endosulfan sulfate			0.800	0.679		ug/L		85	59 - 133	3	30
Endosulfan sulfate			0.800	0.661		ug/L		83	59 - 133	8	30
Endrin			0.800	0.677		ug/L		85	60 - 135	3	30
Endrin			0.800	0.678		ug/L		85	60 - 135	7	30
Endrin aldehyde			0.800	0.677		ug/L		85	59 - 130	2	30
Endrin aldehyde			0.800	0.659		ug/L		82	59 - 130	7	30
Endrin ketone			0.800	0.643		ug/L		80	60 - 137	2	30
Endrin ketone			0.800	0.678		ug/L		85	60 - 137	8	30
gamma-BHC (Lindane)			0.800	0.668		ug/L		84	59 - 131	5	30
gamma-BHC (Lindane)			0.800	0.705		ug/L		88	59 - 131	7	30
Heptachlor			0.800	0.489		ug/L		61	54 - 126	0	30
Heptachlor			0.800	0.501		ug/L		63	54 - 126	3	30
Heptachlor epoxide			0.800	0.656		ug/L		82	60 - 130	3	30
Heptachlor epoxide			0.800	0.649		ug/L		81	60 - 130	8	30
Methoxychlor			0.800	0.718		ug/L		90	57 - 133	3	30
Methoxychlor			0.800	0.709		ug/L		89	57 - 133	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*41*		*10 - 150*
DCB Decachlorobiphenyl	*41*		*10 - 150*
Tetrachloro-m-xylene	*37*		*12 - 136*
Tetrachloro-m-xylene	*43*		*12 - 136*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 460-670835/1-A
Matrix: Water
Analysis Batch: 671069

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 670835

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/26/20 15:59	01/27/20 19:57	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/26/20 15:59	01/27/20 19:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*117*		*10 - 150*	*01/26/20 15:59*	*01/27/20 19:57*	*1*
DCB Decachlorobiphenyl	*121*		*10 - 150*	*01/26/20 15:59*	*01/27/20 19:57*	*1*

Lab Sample ID: LCS 460-670835/2-A
Matrix: Water
Analysis Batch: 671069

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 670835

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	4.00	3.52		ug/L		88	78 - 150
Aroclor 1016	4.00	3.70		ug/L		92	78 - 150
Aroclor 1260	4.00	4.01		ug/L		100	80 - 150
Aroclor 1260	4.00	4.13		ug/L		103	80 - 150

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*92*		*10 - 150*
DCB Decachlorobiphenyl	*96*		*10 - 150*

Lab Sample ID: LCSD 460-670835/3-A
Matrix: Water
Analysis Batch: 671069

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 670835

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016	4.00	3.55		ug/L		89	78 - 150	1	30
Aroclor 1016	4.00	3.75		ug/L		94	78 - 150	1	30
Aroclor 1260	4.00	3.99		ug/L		100	80 - 150	1	30
Aroclor 1260	4.00	4.19		ug/L		105	80 - 150	2	30

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	91		10 - 150
DCB Decachlorobiphenyl	95		10 - 150

Lab Sample ID: MB 460-671306/1-A
Matrix: Water
Analysis Batch: 671417

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671306

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/28/20 15:40	01/29/20 11:20	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/28/20 15:40	01/29/20 11:20	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	37		10 - 150	01/28/20 15:40	01/29/20 11:20	1
DCB Decachlorobiphenyl	48		10 - 150	01/28/20 15:40	01/29/20 11:20	1

Lab Sample ID: LCS 460-671306/2-A
Matrix: Water
Analysis Batch: 671417

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671306

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016	4.00	3.40		ug/L		85	78 - 150
Aroclor 1016	4.00	3.40		ug/L		85	78 - 150
Aroclor 1260	4.00	3.77		ug/L		94	80 - 150
Aroclor 1260	4.00	3.84		ug/L		96	80 - 150

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	74		10 - 150
DCB Decachlorobiphenyl	93		10 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: LCSD 460-671306/3-A
Matrix: Water
Analysis Batch: 671417

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 671306

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.53		ug/L		88	78 - 150	4	30
Aroclor 1016			4.00	3.64		ug/L		91	78 - 150	7	30
Aroclor 1260			4.00	3.87		ug/L		97	80 - 150	3	30
Aroclor 1260			4.00	4.17		ug/L		104	80 - 150	8	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*74*		*10 - 150*
DCB Decachlorobiphenyl	*101*		*10 - 150*

Lab Sample ID: MB 460-671864/1-A
Matrix: Water
Analysis Batch: 672175

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671864

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1016	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1221	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1232	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1242	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1248	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1254	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1260	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor-1262	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Aroclor 1268	0.11	U	0.40	0.11	ug/L		01/30/20 15:50	02/01/20 01:53	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1
Polychlorinated biphenyls, Total	0.12	U	0.40	0.12	ug/L		01/30/20 15:50	02/01/20 01:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*		*10 - 150*	*01/30/20 15:50*	*02/01/20 01:53*	*1*
DCB Decachlorobiphenyl	*50*		*10 - 150*	*01/30/20 15:50*	*02/01/20 01:53*	*1*

Lab Sample ID: LCS 460-671864/2-A
Matrix: Water
Analysis Batch: 672175

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671864

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aroclor 1016			4.00	3.54		ug/L		89	78 - 150
Aroclor 1016			4.00	3.55		ug/L		89	78 - 150
Aroclor 1260			4.00	3.84		ug/L		96	80 - 150
Aroclor 1260			4.00	3.95		ug/L		99	80 - 150

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Surrogate	LCS %Recovery	LCS Qualifier	Limits
DCB Decachlorobiphenyl	67		10 - 150
DCB Decachlorobiphenyl	88		10 - 150

Lab Sample ID: LCSD 460-671864/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 672175 — **Prep Batch: 671864**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aroclor 1016			4.00	3.61		ug/L		90	78 - 150	2	30
Aroclor 1016			4.00	3.60		ug/L		90	78 - 150	1	30
Aroclor 1260			4.00	3.94		ug/L		99	80 - 150	3	30
Aroclor 1260			4.00	4.08		ug/L		102	80 - 150	3	30

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
DCB Decachlorobiphenyl	70		10 - 150
DCB Decachlorobiphenyl	92		10 - 150

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-671197/1-A ^2 — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 671281 — **Prep Batch: 671197**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.73	U	2.0	0.73	ug/L		01/28/20 06:22	01/28/20 17:01	2
Barium	1.2	U	4.0	1.2	ug/L		01/28/20 06:22	01/28/20 17:01	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/28/20 06:22	01/28/20 17:01	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/28/20 06:22	01/28/20 17:01	2
Chromium	2.3	U	4.0	2.3	ug/L		01/28/20 06:22	01/28/20 17:01	2
Cobalt	1.6	U	4.0	1.6	ug/L		01/28/20 06:22	01/28/20 17:01	2
Copper	2.0	U	4.0	2.0	ug/L		01/28/20 06:22	01/28/20 17:01	2
Antimony	0.40	U	2.0	0.40	ug/L		01/28/20 06:22	01/28/20 17:01	2
Lead	0.55	U	1.2	0.55	ug/L		01/28/20 06:22	01/28/20 17:01	2
Manganese	2.9	U	8.0	2.9	ug/L		01/28/20 06:22	01/28/20 17:01	2
Nickel	2.4	U	4.0	2.4	ug/L		01/28/20 06:22	01/28/20 17:01	2
Aluminum	18.8	U	40.0	18.8	ug/L		01/28/20 06:22	01/28/20 17:01	2
Selenium	5.4	U	10.0	5.4	ug/L		01/28/20 06:22	01/28/20 17:01	2
Magnesium	73.7	U	200	73.7	ug/L		01/28/20 06:22	01/28/20 17:01	2
Silver	0.59	U	2.0	0.59	ug/L		01/28/20 06:22	01/28/20 17:01	2
Potassium	86.7	U	200	86.7	ug/L		01/28/20 06:22	01/28/20 17:01	2
Sodium	128	U	200	128	ug/L		01/28/20 06:22	01/28/20 17:01	2
Calcium	98.8	U	200	98.8	ug/L		01/28/20 06:22	01/28/20 17:01	2
Iron	51.1	U	120	51.1	ug/L		01/28/20 06:22	01/28/20 17:01	2
Vanadium	1.1	U	4.0	1.1	ug/L		01/28/20 06:22	01/28/20 17:01	2
Thallium	0.16	U	0.80	0.16	ug/L		01/28/20 06:22	01/28/20 17:01	2
Zinc	11.1	U	16.0	11.1	ug/L		01/28/20 06:22	01/28/20 17:01	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-671197/2-A ^2
Matrix: Water
Analysis Batch: 671281

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671197

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	49.16		ug/L		98	80 - 120
Barium	50.0	46.83		ug/L		94	80 - 120
Beryllium	25.0	23.12		ug/L		92	80 - 120
Cadmium	25.0	25.12		ug/L		100	80 - 120
Chromium	50.0	51.75		ug/L		103	80 - 120
Cobalt	25.0	25.95		ug/L		104	80 - 120
Copper	50.0	53.23		ug/L		106	80 - 120
Antimony	25.0	25.55		ug/L		102	80 - 120
Lead	25.0	24.89		ug/L		100	80 - 120
Manganese	250	252.9		ug/L		101	80 - 120
Nickel	50.0	51.43		ug/L		103	80 - 120
Aluminum	2500	2403		ug/L		96	80 - 120
Selenium	50.0	51.91		ug/L		104	80 - 120
Magnesium	2500	2564		ug/L		103	80 - 120
Silver	25.0	25.43		ug/L		102	80 - 120
Potassium	2500	2503		ug/L		100	80 - 120
Sodium	2500	2632		ug/L		105	80 - 120
Calcium	2500	2603		ug/L		104	80 - 120
Iron	2500	2691		ug/L		108	80 - 120
Vanadium	50.0	50.26		ug/L		101	80 - 120
Thallium	20.0	19.90		ug/L		100	80 - 120
Zinc	250	245.7		ug/L		98	80 - 120

Lab Sample ID: 460-201514-C-1-C MS ^2
Matrix: Water
Analysis Batch: 671281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.73	U	50.0	58.26		ug/L		117	75 - 125
Barium	447		50.0	547.9	4	ug/L		202	75 - 125
Beryllium	0.25	U	25.0	26.17		ug/L		105	75 - 125
Cadmium	0.81	U	25.0	29.50		ug/L		118	75 - 125
Chromium	2.3	U	50.0	58.75		ug/L		118	75 - 125
Cobalt	1.6	U	25.0	28.96		ug/L		116	75 - 125
Copper	3.6	J	50.0	59.87		ug/L		112	75 - 125
Antimony	0.40	J	25.0	29.72		ug/L		117	75 - 125
Lead	4.7		25.0	33.17		ug/L		114	75 - 125
Manganese	700	F1	250	1035	F1	ug/L		134	75 - 125
Nickel	2.4	U	50.0	60.17		ug/L		120	75 - 125
Aluminum	34.5	J	2500	2733		ug/L		108	75 - 125
Selenium	5.4	U	50.0	58.60		ug/L		117	75 - 125
Magnesium	39700		2500	46380	4	ug/L		266	75 - 125
Silver	0.59	U	25.0	23.35		ug/L		93	75 - 125
Potassium	16200		2500	20370	4	ug/L		167	75 - 125
Sodium	144000		2500	160300	4	ug/L		660	75 - 125
Calcium	143000		2500	163000	4	ug/L		780	75 - 125
Iron	28900		2500	34540	4	ug/L		224	75 - 125
Vanadium	1.1	U	50.0	57.58		ug/L		115	75 - 125
Thallium	0.16	U	20.0	22.86		ug/L		114	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-201514-C-1-C MS ^2
Matrix: Water
Analysis Batch: 671281

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671197

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	16.0		250	289.1		ug/L		109	75 - 125

Lab Sample ID: 460-201514-C-1-B DU ^2
Matrix: Water
Analysis Batch: 671281

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 671197

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.73	U	0.73	U	ug/L		NC	20
Barium	447		451.4		ug/L		1	20
Beryllium	0.25	U	0.25	U	ug/L		NC	20
Cadmium	0.81	U	0.81	U	ug/L		NC	20
Chromium	2.3	U	2.3	U	ug/L		NC	20
Cobalt	1.6	U	1.6	U	ug/L		NC	20
Copper	3.6	J	3.44	J	ug/L		6	20
Antimony	0.40	J	0.400	J	ug/L		1	20
Lead	4.7		4.60		ug/L		2	20
Manganese	700	F1	675.5		ug/L		4	20
Nickel	2.4	U	2.4	U	ug/L		NC	20
Aluminum	34.5	J	40.04		ug/L		15	20
Selenium	5.4	U	5.4	U	ug/L		NC	20
Magnesium	39700		38910		ug/L		2	20
Silver	0.59	U	0.59	U	ug/L		NC	20
Potassium	16200		16110		ug/L		0.5	20
Sodium	144000		141000		ug/L		2	20
Calcium	143000		143700		ug/L		0.1	20
Iron	28900		28290		ug/L		2	20
Vanadium	1.1	U	1.1	U	ug/L		NC	20
Thallium	0.16	U	0.16	U	ug/L		NC	20
Zinc	16.0		15.48	J	ug/L		3	20

Lab Sample ID: MB 460-671663/1-A ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.73	U	2.0	0.73	ug/L		01/29/20 20:45	01/31/20 20:32	2
Barium	1.2	U	4.0	1.2	ug/L		01/29/20 20:45	01/31/20 20:32	2
Beryllium	0.25	U	0.80	0.25	ug/L		01/29/20 20:45	01/31/20 20:32	2
Cadmium	0.81	U	2.0	0.81	ug/L		01/29/20 20:45	01/31/20 20:32	2
Chromium	2.3	U	4.0	2.3	ug/L		01/29/20 20:45	01/31/20 20:32	2
Cobalt	1.6	U	4.0	1.6	ug/L		01/29/20 20:45	01/31/20 20:32	2
Copper	2.0	U	4.0	2.0	ug/L		01/29/20 20:45	01/31/20 20:32	2
Antimony	0.40	U	2.0	0.40	ug/L		01/29/20 20:45	01/31/20 20:32	2
Lead	0.55	U	1.2	0.55	ug/L		01/29/20 20:45	01/31/20 20:32	2
Manganese	2.9	U	8.0	2.9	ug/L		01/29/20 20:45	01/31/20 20:32	2
Nickel	2.4	U	4.0	2.4	ug/L		01/29/20 20:45	01/31/20 20:32	2
Aluminum	18.8	U	40.0	18.8	ug/L		01/29/20 20:45	01/31/20 20:32	2
Selenium	5.4	U	10.0	5.4	ug/L		01/29/20 20:45	01/31/20 20:32	2
Magnesium	73.7	U	200	73.7	ug/L		01/29/20 20:45	01/31/20 20:32	2

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-671663/1-A ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 671663

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	0.59	U	2.0	0.59	ug/L		01/29/20 20:45	01/31/20 20:32	2
Potassium	86.7	U	200	86.7	ug/L		01/29/20 20:45	01/31/20 20:32	2
Sodium	128	U	200	128	ug/L		01/29/20 20:45	01/31/20 20:32	2
Calcium	98.8	U	200	98.8	ug/L		01/29/20 20:45	01/31/20 20:32	2
Iron	51.1	U	120	51.1	ug/L		01/29/20 20:45	01/31/20 20:32	2
Vanadium	1.1	U	4.0	1.1	ug/L		01/29/20 20:45	01/31/20 20:32	2
Thallium	0.16	U	0.80	0.16	ug/L		01/29/20 20:45	01/31/20 20:32	2
Zinc	11.1	U	16.0	11.1	ug/L		01/29/20 20:45	01/31/20 20:32	2

Lab Sample ID: LCS 460-671663/2-A ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 671663

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	50.91		ug/L		102	80 - 120
Barium	50.0	56.18		ug/L		112	80 - 120
Beryllium	25.0	27.31		ug/L		109	80 - 120
Cadmium	25.0	27.30		ug/L		109	80 - 120
Chromium	50.0	56.71		ug/L		113	80 - 120
Cobalt	25.0	28.06		ug/L		112	80 - 120
Copper	50.0	57.23		ug/L		114	80 - 120
Antimony	25.0	28.87		ug/L		115	80 - 120
Lead	25.0	27.87		ug/L		111	80 - 120
Manganese	250	273.5		ug/L		109	80 - 120
Nickel	50.0	55.75		ug/L		112	80 - 120
Aluminum	2500	2674		ug/L		107	80 - 120
Selenium	50.0	48.52		ug/L		97	80 - 120
Magnesium	2500	2694		ug/L		108	80 - 120
Silver	25.0	20.83		ug/L		83	80 - 120
Potassium	2500	2775		ug/L		111	80 - 120
Sodium	2500	2786		ug/L		111	80 - 120
Calcium	2500	2714		ug/L		109	80 - 120
Iron	2500	2811		ug/L		112	80 - 120
Vanadium	50.0	54.27		ug/L		109	80 - 120
Thallium	20.0	21.92		ug/L		110	80 - 120
Zinc	250	266.4		ug/L		107	80 - 120

Lab Sample ID: 460-201815-D-9-B MS ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	9.9		50.0	57.50		ug/L		95	75 - 125
Barium	31.7		50.0	87.96		ug/L		113	75 - 125
Beryllium	0.25	U	25.0	26.76		ug/L		107	75 - 125
Cadmium	0.81	U	25.0	26.36		ug/L		105	75 - 125
Chromium	2.3	U	50.0	55.48		ug/L		111	75 - 125
Cobalt	3.7	J	25.0	30.49		ug/L		107	75 - 125
Copper	2.0	U	50.0	55.14		ug/L		110	75 - 125

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-201815-D-9-B MS ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 671663

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.41	J	25.0	28.22		ug/L		111	75 - 125
Lead	0.55	U	25.0	27.38		ug/L		110	75 - 125
Manganese	810		250	1065		ug/L		102	75 - 125
Nickel	4.3		50.0	57.56		ug/L		106	75 - 125
Aluminum	26.9	J	2500	2563		ug/L		101	75 - 125
Selenium	5.4	U	50.0	47.99		ug/L		96	75 - 125
Magnesium	21800		2500	24140	4	ug/L		94	75 - 125
Silver	0.59	U	25.0	21.07		ug/L		84	75 - 125
Potassium	8080		2500	10800		ug/L		109	75 - 125
Sodium	66900		2500	69480	4	ug/L		102	75 - 125
Calcium	24200		2500	27090	4	ug/L		118	75 - 125
Iron	167000		2500	169500	4	ug/L		108	75 - 125
Vanadium	1.2	J	50.0	54.25		ug/L		106	75 - 125
Thallium	0.16	U	20.0	21.38		ug/L		107	75 - 125
Zinc	12.7	J	250	264.2		ug/L		101	75 - 125

Lab Sample ID: 460-201815-A-9-A DU ^2
Matrix: Water
Analysis Batch: 672237

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 671663

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	9.9		9.32		ug/L		6	20
Barium	31.7		31.21		ug/L		2	20
Beryllium	0.25	U	0.25	U	ug/L		NC	20
Cadmium	0.81	U	0.81	U	ug/L		NC	20
Chromium	2.3	U	2.3	U	ug/L		NC	20
Cobalt	3.7	J	3.74	J	ug/L		0.3	20
Copper	2.0	U	2.0	U	ug/L		NC	20
Antimony	0.41	J	0.430	J	ug/L		4	20
Lead	0.55	U	0.55	U	ug/L		NC	20
Manganese	810		805.4		ug/L		0.5	20
Nickel	4.3		4.32		ug/L		0.3	20
Aluminum	26.9	J	20.20	J F5	ug/L		28	20
Selenium	5.4	U	5.4	U	ug/L		NC	20
Magnesium	21800		21750		ug/L		0.2	20
Silver	0.59	U	0.59	U	ug/L		NC	20
Potassium	8080		8100		ug/L		0.2	20
Sodium	66900		67070		ug/L		0.2	20
Calcium	24200		24370		ug/L		0.9	20
Iron	167000		163900		ug/L		2	20
Vanadium	1.2	J	1.19	J	ug/L		2	20
Thallium	0.16	U	0.16	U	ug/L		NC	20
Zinc	12.7	J	12.47	J	ug/L		2	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LCS 460-672565/2-A
Matrix: Water
Analysis Batch: 672572

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	10.0	9.54		ug/L		95	80 - 120
Barium	10.0	9.45		ug/L		95	80 - 120
Beryllium	5.00	4.55		ug/L		91	80 - 120
Cadmium	5.00	4.82		ug/L		96	80 - 120
Chromium	10.0	9.24		ug/L		92	80 - 120
Cobalt	5.00	4.79		ug/L		96	80 - 120
Copper	10.0	9.81		ug/L		98	80 - 120
Antimony	5.00	4.61		ug/L		92	80 - 120
Lead	5.00	4.70		ug/L		94	80 - 120
Manganese	50.0	47.62		ug/L		95	80 - 120
Nickel	10.0	9.58		ug/L		96	80 - 120
Aluminum	500	471.6		ug/L		94	80 - 120
Selenium	10.0	9.85		ug/L		98	80 - 120
Magnesium	500	469.8		ug/L		94	80 - 120
Silver	5.00	4.83		ug/L		97	80 - 120
Potassium	500	479.9		ug/L		96	80 - 120
Sodium	500	489.1		ug/L		98	80 - 120
Calcium	500	550.8		ug/L		110	80 - 120
Iron	500	522.7		ug/L		105	80 - 120
Vanadium	10.0	9.31		ug/L		93	80 - 120
Thallium	4.00	3.74		ug/L		94	80 - 120
Zinc	50.0	49.22		ug/L		98	80 - 120

Lab Sample ID: MB 460-672564/1-B
Matrix: Water
Analysis Batch: 672572

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 672565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.37	U	1.0	0.37	ug/L		02/03/20 11:20	02/03/20 15:26	1
Barium	0.58	U	2.0	0.58	ug/L		02/03/20 11:20	02/03/20 15:26	1
Beryllium	0.12	U	0.40	0.12	ug/L		02/03/20 11:20	02/03/20 15:26	1
Cadmium	0.40	U	1.0	0.40	ug/L		02/03/20 11:20	02/03/20 15:26	1
Chromium	1.2	U	2.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:26	1
Cobalt	0.80	U	2.0	0.80	ug/L		02/03/20 11:20	02/03/20 15:26	1
Copper	1.0	U	2.0	1.0	ug/L		02/03/20 11:20	02/03/20 15:26	1
Antimony	0.20	U	1.0	0.20	ug/L		02/03/20 11:20	02/03/20 15:26	1
Lead	0.28	U	0.60	0.28	ug/L		02/03/20 11:20	02/03/20 15:26	1
Manganese	1.4	U	4.0	1.4	ug/L		02/03/20 11:20	02/03/20 15:26	1
Nickel	1.2	U	2.0	1.2	ug/L		02/03/20 11:20	02/03/20 15:26	1
Aluminum	9.4	U	20.0	9.4	ug/L		02/03/20 11:20	02/03/20 15:26	1
Selenium	2.7	U	5.0	2.7	ug/L		02/03/20 11:20	02/03/20 15:26	1
Magnesium	36.9	U	100	36.9	ug/L		02/03/20 11:20	02/03/20 15:26	1
Silver	0.30	U	1.0	0.30	ug/L		02/03/20 11:20	02/03/20 15:26	1
Potassium	43.4	U	100	43.4	ug/L		02/03/20 11:20	02/03/20 15:26	1
Sodium	64.0	U	100	64.0	ug/L		02/03/20 11:20	02/03/20 15:26	1
Calcium	49.4	U	100	49.4	ug/L		02/03/20 11:20	02/03/20 15:26	1
Iron	25.6	U	60.0	25.6	ug/L		02/03/20 11:20	02/03/20 15:26	1
Vanadium	0.56	U	2.0	0.56	ug/L		02/03/20 11:20	02/03/20 15:26	1
Thallium	0.079	U	0.40	0.079	ug/L		02/03/20 11:20	02/03/20 15:26	1

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-672564/1-B
Matrix: Water
Analysis Batch: 672572

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 672565

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	5.6	U	8.0	5.6	ug/L		02/03/20 11:20	02/03/20 15:26	1

Lab Sample ID: 460-201595-1 MS
Matrix: Water
Analysis Batch: 672572

Client Sample ID: MW-02_20200124
Prep Type: Dissolved
Prep Batch: 672565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.73	U	20.0	22.62		ug/L		113	75 - 125
Barium	81.2		20.0	100.6	4	ug/L		97	75 - 125
Beryllium	0.25	U	10.0	10.69		ug/L		107	75 - 125
Cadmium	0.81	U	10.0	11.04		ug/L		110	75 - 125
Chromium	2.3	U	20.0	21.67		ug/L		108	75 - 125
Cobalt	1.6	J F1	10.0	12.56	F1	ug/L		126	75 - 125
Copper	2.0	U	20.0	23.09		ug/L		115	75 - 125
Antimony	0.40	U	10.0	10.59		ug/L		106	75 - 125
Lead	0.55	U	10.0	10.92		ug/L		109	75 - 125
Manganese	866		100	940.9	4	ug/L		75	75 - 125
Nickel	3.6	J	20.0	25.11		ug/L		108	75 - 125
Aluminum	18.8	U	1000	1134		ug/L		113	75 - 125
Selenium	5.4	U	20.0	24.28		ug/L		121	75 - 125
Magnesium	14700		1000	15180	4	ug/L		43	75 - 125
Silver	0.59	U	10.0	9.22		ug/L		92	75 - 125
Potassium	5580		1000	6476	4	ug/L		90	75 - 125
Sodium	63000		1000	61710	4	ug/L		-128	75 - 125
Calcium	73600		1000	57180	4	ug/L		-1647	75 - 125
Iron	51.1	U	1000	1104		ug/L		110	75 - 125
Vanadium	1.1	U	20.0	21.96		ug/L		110	75 - 125
Thallium	0.16	U	8.00	8.84		ug/L		110	75 - 125
Zinc	11.1	U	100	115.0		ug/L		115	75 - 125

Lab Sample ID: 460-201595-1 DU
Matrix: Water
Analysis Batch: 672572

Client Sample ID: MW-02_20200124
Prep Type: Dissolved
Prep Batch: 672565

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.73	U	0.73	U	ug/L		NC	20
Barium	81.2		80.69		ug/L		0.6	20
Beryllium	0.25	U	0.25	U	ug/L		NC	20
Cadmium	0.81	U	0.81	U	ug/L		NC	20
Chromium	2.3	U	2.3	U	ug/L		NC	20
Cobalt	1.6	J F1	1.6	U	ug/L		NC	20
Copper	2.0	U	2.0	U	ug/L		NC	20
Antimony	0.40	U	0.40	U	ug/L		NC	20
Lead	0.55	U	0.55	U	ug/L		NC	20
Manganese	866		869.0		ug/L		0.3	20
Nickel	3.6	J	3.64	J	ug/L		2	20
Aluminum	18.8	U	18.8	U	ug/L		NC	20
Selenium	5.4	U	5.4	U	ug/L		NC	20
Magnesium	14700		14760		ug/L		0.06	20

Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-201595-1 DU
Matrix: Water
Analysis Batch: 672572

Client Sample ID: MW-02_20200124
Prep Type: Dissolved
Prep Batch: 672565

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Silver	0.59	U	0.59	U	ug/L		NC	20
Potassium	5580		5626		ug/L		0.9	20
Sodium	63000		63420		ug/L		0.7	20
Calcium	73600		73180		ug/L		0.6	20
Iron	51.1	U	51.1	U	ug/L		NC	20
Vanadium	1.1	U	1.1	U	ug/L		NC	20
Thallium	0.16	U	0.16	U	ug/L		NC	20
Zinc	11.1	U	11.1	U	ug/L		NC	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 460-672138/1-A
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 672138

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:32	01/31/20 13:43	1

Lab Sample ID: LCS 460-672138/2-A
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672138

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Lab Sample ID: 460-201884-G-1-C MS
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 672138

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	1.03		ug/L		103	75 - 125

Lab Sample ID: 460-201884-G-1-B DU
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 672138

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.091	U	0.091	U	ug/L		NC	20

Lab Sample ID: LCS 460-672140/3-A
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 672140

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.00	1.02		ug/L		102	80 - 120

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: MB 460-672134/1-B
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Method Blank
Prep Type: Dissolved
Prep Batch: 672140

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.091	U	0.20	0.091	ug/L		01/31/20 12:39	01/31/20 14:34	1

Lab Sample ID: 460-201797-C-5-C MS
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 672140

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.091	U	1.00	0.993		ug/L		99	75 - 125

Lab Sample ID: 460-201797-C-5-B DU
Matrix: Water
Analysis Batch: 672199

Client Sample ID: Duplicate
Prep Type: Dissolved
Prep Batch: 672140

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.091	U	0.091	U	ug/L		NC	20

QC Association Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

GC/MS VOA

Analysis Batch: 671435

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	8260C	
MB 460-671435/8	Method Blank	Total/NA	Water	8260C	
LCS 460-671435/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-671435/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 671715

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-3	TB-01_20200127	Total/NA	Water	8260C	
MB 460-671715/8	Method Blank	Total/NA	Water	8260C	
LCS 460-671715/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-671715/22	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 671886

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	8260C	
460-201730-2	MW-04_20200127	Total/NA	Water	8260C	
MB 460-671886/8	Method Blank	Total/NA	Water	8260C	
LCS 460-671886/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-671886/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 672017

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-1	TB-01_20200128	Total/NA	Water	8260C	
460-201818-2	MW-03_20200128	Total/NA	Water	8260C	
MB 460-672017/8	Method Blank	Total/NA	Water	8260C	
LCS 460-672017/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-672017/5	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 670779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	3510C	
MB 460-670779/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-670779/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-670779/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-670779/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-670779/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 670866

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	8270D	670779
MB 460-670779/1-A	Method Blank	Total/NA	Water	8270D	670779
LCS 460-670779/2-A	Lab Control Sample	Total/NA	Water	8270D	670779
LCS 460-670779/4-A	Lab Control Sample	Total/NA	Water	8270D	670779
LCSD 460-670779/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	670779
LCSD 460-670779/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	670779

Prep Batch: 671501

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	3510C	

GC/MS Semi VOA (Continued)

Prep Batch: 671501 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-2	MW-04_20200127	Total/NA	Water	3510C	
MB 460-671501/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-671501/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-671501/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-671501/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 460-671501/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 671591

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	8270D	671501
460-201730-2	MW-04_20200127	Total/NA	Water	8270D	671501
MB 460-671501/1-A	Method Blank	Total/NA	Water	8270D	671501
LCS 460-671501/2-A	Lab Control Sample	Total/NA	Water	8270D	671501
LCS 460-671501/4-A	Lab Control Sample	Total/NA	Water	8270D	671501
LCSD 460-671501/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	671501
LCSD 460-671501/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	671501

Prep Batch: 672063

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	3510C	
MB 460-672063/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-672063/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 460-672063/4-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-672063/5-A	Lab Control Sample Dup	Total/NA	Water	3510C	
460-201820-D-3-A MS	Matrix Spike	Total/NA	Water	3510C	
460-201820-E-3-A MSD	Matrix Spike Duplicate	Total/NA	Water	3510C	

Prep Batch: 672071

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	3510C	
MB 460-672071/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-672071/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-672071/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 672220

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	8270D	672063
MB 460-672063/1-A	Method Blank	Total/NA	Water	8270D	672063
LCS 460-672063/2-A	Lab Control Sample	Total/NA	Water	8270D	672063
LCS 460-672063/4-A	Lab Control Sample	Total/NA	Water	8270D	672063
LCSD 460-672063/5-A	Lab Control Sample Dup	Total/NA	Water	8270D	672063
460-201820-D-3-A MS	Matrix Spike	Total/NA	Water	8270D	672063
460-201820-E-3-A MSD	Matrix Spike Duplicate	Total/NA	Water	8270D	672063

Analysis Batch: 672228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	8270D SIM ID	672071
MB 460-672071/1-A	Method Blank	Total/NA	Water	8270D SIM ID	672071
LCS 460-672071/2-A	Lab Control Sample	Total/NA	Water	8270D SIM ID	672071
LCSD 460-672071/3-A	Lab Control Sample Dup	Total/NA	Water	8270D SIM ID	672071

GC Semi VOA

Prep Batch: 670833

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	3510C	
MB 460-670833/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-670833/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-670833/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 670835

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	3510C	
MB 460-670835/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-670835/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-670835/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 671069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	8082A	670835
MB 460-670835/1-A	Method Blank	Total/NA	Water	8082A	670835
LCS 460-670835/2-A	Lab Control Sample	Total/NA	Water	8082A	670835
LCSD 460-670835/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	670835

Analysis Batch: 671160

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	8081B	670833
MB 460-670833/1-A	Method Blank	Total/NA	Water	8081B	670833
LCS 460-670833/2-A	Lab Control Sample	Total/NA	Water	8081B	670833
LCSD 460-670833/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	670833

Prep Batch: 671306

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	3510C	
460-201730-2	MW-04_20200127	Total/NA	Water	3510C	
MB 460-671306/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-671306/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-671306/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 671307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	3510C	
460-201730-2	MW-04_20200127	Total/NA	Water	3510C	
LB 460-671307/6-A	Method Blank	Total/NA	Water	3510C	
MB 460-671307/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-671307/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-671307/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 671417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	8082A	671306
460-201730-2	MW-04_20200127	Total/NA	Water	8082A	671306
MB 460-671306/1-A	Method Blank	Total/NA	Water	8082A	671306
LCS 460-671306/2-A	Lab Control Sample	Total/NA	Water	8082A	671306
LCSD 460-671306/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	671306

QC Association Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

GC Semi VOA

Analysis Batch: 671422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	8081B	671307
460-201730-2	MW-04_20200127	Total/NA	Water	8081B	671307
LB 460-671307/6-A	Method Blank	Total/NA	Water	8081B	671307
MB 460-671307/1-A	Method Blank	Total/NA	Water	8081B	671307
LCS 460-671307/2-A	Lab Control Sample	Total/NA	Water	8081B	671307
LCSD 460-671307/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	671307

Prep Batch: 671864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	3510C	
MB 460-671864/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-671864/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-671864/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Prep Batch: 671865

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	3510C	
MB 460-671865/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-671865/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-671865/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 672001

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	8081B	671865
MB 460-671865/1-A	Method Blank	Total/NA	Water	8081B	671865
LCS 460-671865/2-A	Lab Control Sample	Total/NA	Water	8081B	671865
LCSD 460-671865/3-A	Lab Control Sample Dup	Total/NA	Water	8081B	671865

Analysis Batch: 672175

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	8082A	671864
MB 460-671864/1-A	Method Blank	Total/NA	Water	8082A	671864
LCS 460-671864/2-A	Lab Control Sample	Total/NA	Water	8082A	671864
LCSD 460-671864/3-A	Lab Control Sample Dup	Total/NA	Water	8082A	671864

Metals

Prep Batch: 671197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	3010A	
MB 460-671197/1-A ^2	Method Blank	Total/NA	Water	3010A	
LCS 460-671197/2-A ^2	Lab Control Sample	Total/NA	Water	3010A	
460-201514-C-1-C MS ^2	Matrix Spike	Total/NA	Water	3010A	
460-201514-C-1-B DU ^2	Duplicate	Total/NA	Water	3010A	

Analysis Batch: 671281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	6020B	671197
MB 460-671197/1-A ^2	Method Blank	Total/NA	Water	6020B	671197
LCS 460-671197/2-A ^2	Lab Control Sample	Total/NA	Water	6020B	671197
460-201514-C-1-C MS ^2	Matrix Spike	Total/NA	Water	6020B	671197

Metals (Continued)

Analysis Batch: 671281 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201514-C-1-B DU ^2	Duplicate	Total/NA	Water	6020B	671197

Prep Batch: 671663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201730-1	MW-01_20200127	Total/NA	Water	3010A	
460-201730-2	MW-04_20200127	Total/NA	Water	3010A	
460-201818-2	MW-03_20200128	Total/NA	Water	3010A	
MB 460-671663/1-A ^2	Method Blank	Total/NA	Water	3010A	
LCS 460-671663/2-A ^2	Lab Control Sample	Total/NA	Water	3010A	
460-201815-D-9-B MS ^2	Matrix Spike	Total/NA	Water	3010A	
460-201815-A-9-A DU ^2	Duplicate	Total/NA	Water	3010A	

Filtration Batch: 672134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	FILTRATION	
460-201730-1	MW-01_20200127	Dissolved	Water	FILTRATION	
460-201730-2	MW-04_20200127	Dissolved	Water	FILTRATION	
460-201818-2	MW-03_20200128	Dissolved	Water	FILTRATION	
MB 460-672134/1-B	Method Blank	Dissolved	Water	FILTRATION	

Prep Batch: 672138

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Total/NA	Water	7470A	
460-201730-1	MW-01_20200127	Total/NA	Water	7470A	
460-201730-2	MW-04_20200127	Total/NA	Water	7470A	
460-201818-2	MW-03_20200128	Total/NA	Water	7470A	
MB 460-672138/1-A	Method Blank	Total/NA	Water	7470A	
LCS 460-672138/2-A	Lab Control Sample	Total/NA	Water	7470A	
460-201884-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	
460-201884-G-1-B DU	Duplicate	Total/NA	Water	7470A	

Prep Batch: 672140

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	7470A	672134
460-201730-1	MW-01_20200127	Dissolved	Water	7470A	672134
460-201730-2	MW-04_20200127	Dissolved	Water	7470A	672134
460-201818-2	MW-03_20200128	Dissolved	Water	7470A	672134
MB 460-672134/1-B	Method Blank	Dissolved	Water	7470A	672134
LCS 460-672140/3-A	Lab Control Sample	Total/NA	Water	7470A	
460-201797-C-5-C MS	Matrix Spike	Dissolved	Water	7470A	
460-201797-C-5-B DU	Duplicate	Dissolved	Water	7470A	

Analysis Batch: 672199

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	7470A	672140
460-201595-1	MW-02_20200124	Total/NA	Water	7470A	672138
460-201730-1	MW-01_20200127	Dissolved	Water	7470A	672140
460-201730-1	MW-01_20200127	Total/NA	Water	7470A	672138
460-201730-2	MW-04_20200127	Dissolved	Water	7470A	672140
460-201730-2	MW-04_20200127	Total/NA	Water	7470A	672138
460-201818-2	MW-03_20200128	Dissolved	Water	7470A	672140

Metals (Continued)

Analysis Batch: 672199 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201818-2	MW-03_20200128	Total/NA	Water	7470A	672138
MB 460-672134/1-B	Method Blank	Dissolved	Water	7470A	672140
MB 460-672138/1-A	Method Blank	Total/NA	Water	7470A	672138
LCS 460-672138/2-A	Lab Control Sample	Total/NA	Water	7470A	672138
LCS 460-672140/3-A	Lab Control Sample	Total/NA	Water	7470A	672140
460-201797-C-5-C MS	Matrix Spike	Dissolved	Water	7470A	672140
460-201884-G-1-C MS	Matrix Spike	Total/NA	Water	7470A	672138
460-201797-C-5-B DU	Duplicate	Dissolved	Water	7470A	672140
460-201884-G-1-B DU	Duplicate	Total/NA	Water	7470A	672138

Analysis Batch: 672237

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 460-671663/1-A ^2	Method Blank	Total/NA	Water	6020B	671663
LCS 460-671663/2-A ^2	Lab Control Sample	Total/NA	Water	6020B	671663
460-201815-D-9-B MS ^2	Matrix Spike	Total/NA	Water	6020B	671663
460-201815-A-9-A DU ^2	Duplicate	Total/NA	Water	6020B	671663

Filtration Batch: 672564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	FILTRATION	
460-201730-1	MW-01_20200127	Dissolved	Water	FILTRATION	
460-201730-2	MW-04_20200127	Dissolved	Water	FILTRATION	
460-201818-2	MW-03_20200128	Dissolved	Water	FILTRATION	
MB 460-672564/1-B	Method Blank	Dissolved	Water	FILTRATION	
460-201595-1 MS	MW-02_20200124	Dissolved	Water	FILTRATION	
460-201595-1 DU	MW-02_20200124	Dissolved	Water	FILTRATION	

Prep Batch: 672565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	3010A	672564
460-201730-1	MW-01_20200127	Dissolved	Water	3010A	672564
460-201730-2	MW-04_20200127	Dissolved	Water	3010A	672564
460-201818-2	MW-03_20200128	Dissolved	Water	3010A	672564
MB 460-672564/1-B	Method Blank	Dissolved	Water	3010A	672564
LCS 460-672565/2-A	Lab Control Sample	Total/NA	Water	3010A	
460-201595-1 MS	MW-02_20200124	Dissolved	Water	3010A	672564
460-201595-1 DU	MW-02_20200124	Dissolved	Water	3010A	672564

Analysis Batch: 672572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-201595-1	MW-02_20200124	Dissolved	Water	6020B	672565
460-201730-1	MW-01_20200127	Dissolved	Water	6020B	672565
460-201730-1	MW-01_20200127	Total/NA	Water	6020B	671663
460-201730-2	MW-04_20200127	Dissolved	Water	6020B	672565
460-201730-2	MW-04_20200127	Total/NA	Water	6020B	671663
460-201818-2	MW-03_20200128	Dissolved	Water	6020B	672565
460-201818-2	MW-03_20200128	Total/NA	Water	6020B	671663
MB 460-672564/1-B	Method Blank	Dissolved	Water	6020B	672565
LCS 460-672565/2-A	Lab Control Sample	Total/NA	Water	6020B	672565
460-201595-1 MS	MW-02_20200124	Dissolved	Water	6020B	672565
460-201595-1 DU	MW-02_20200124	Dissolved	Water	6020B	672565

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: MW-02_20200124
Lab Sample ID: 460-201595-1
Date Collected: 01/24/20 16:30
Matrix: Water
Date Received: 01/24/20 19:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	671435	01/29/20 16:37	SZD	TAL EDI
Total/NA	Prep	3510C			670779	01/26/20 07:35	DXD	TAL EDI
Total/NA	Analysis	8270D		1	670866	01/27/20 06:01	YAH	TAL EDI
Total/NA	Prep	3510C			672071	01/31/20 09:09	DXD	TAL EDI
Total/NA	Analysis	8270D SIM ID		1	672228	01/31/20 21:34	YAH	TAL EDI
Total/NA	Prep	3510C			670833	01/26/20 15:55	ATF	TAL EDI
Total/NA	Analysis	8081B		1	671160	01/28/20 10:43	FAM	TAL EDI
Total/NA	Prep	3510C			670835	01/26/20 15:59	ATF	TAL EDI
Total/NA	Analysis	8082A		1	671069	01/27/20 21:40	JHP	TAL EDI
Dissolved	Filtration	FILTRATION			672564	02/03/20 11:17	MDC	TAL EDI
Dissolved	Prep	3010A			672565	02/03/20 11:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	672572	02/03/20 15:36	MDC	TAL EDI
Total/NA	Prep	3010A			671197	01/28/20 06:22	GMC	TAL EDI
Total/NA	Analysis	6020B		2	671281	01/28/20 18:40	MDC	TAL EDI
Dissolved	Filtration	FILTRATION			672134	01/31/20 11:55	RBS	TAL EDI
Dissolved	Prep	7470A			672140	01/31/20 12:39	RBS	TAL EDI
Dissolved	Analysis	7470A		1	672199	01/31/20 14:48	RBS	TAL EDI
Total/NA	Prep	7470A			672138	01/31/20 12:32	RBS	TAL EDI
Total/NA	Analysis	7470A		1	672199	01/31/20 13:55	RBS	TAL EDI

Client Sample ID: MW-01_20200127
Lab Sample ID: 460-201730-1
Date Collected: 01/27/20 11:50
Matrix: Water
Date Received: 01/27/20 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	671886	01/30/20 22:34	VBP	TAL EDI
Total/NA	Prep	3510C			671501	01/29/20 08:57	DXD	TAL EDI
Total/NA	Analysis	8270D		1	671591	01/30/20 05:35	MME	TAL EDI
Total/NA	Prep	3510C			671307	01/28/20 15:46	OXG	TAL EDI
Total/NA	Analysis	8081B		1	671422	01/29/20 09:01	FAM	TAL EDI
Total/NA	Prep	3510C			671306	01/28/20 15:40	OXG	TAL EDI
Total/NA	Analysis	8082A		1	671417	01/29/20 14:14	JHP	TAL EDI
Dissolved	Filtration	FILTRATION			672564	02/03/20 11:17	MDC	TAL EDI
Dissolved	Prep	3010A			672565	02/03/20 11:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	672572	02/03/20 15:41	MDC	TAL EDI
Total/NA	Prep	3010A			671663	01/29/20 20:45	GAE	TAL EDI
Total/NA	Analysis	6020B		2	672572	02/03/20 10:58	MDC	TAL EDI
Dissolved	Filtration	FILTRATION			672134	01/31/20 11:55	RBS	TAL EDI
Dissolved	Prep	7470A			672140	01/31/20 12:39	RBS	TAL EDI
Dissolved	Analysis	7470A		1	672199	01/31/20 14:50	RBS	TAL EDI
Total/NA	Prep	7470A			672138	01/31/20 12:32	RBS	TAL EDI
Total/NA	Analysis	7470A		1	672199	01/31/20 13:57	RBS	TAL EDI

Lab Chronicle

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Client Sample ID: MW-04_20200127
Lab Sample ID: 460-201730-2
Date Collected: 01/27/20 16:20
Matrix: Water
Date Received: 01/27/20 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	671886	01/30/20 22:13	VBP	TAL EDI
Total/NA	Prep	3510C			671501	01/29/20 08:57	DXD	TAL EDI
Total/NA	Analysis	8270D		1	671591	01/30/20 05:55	MME	TAL EDI
Total/NA	Prep	3510C			671307	01/28/20 15:46	OXG	TAL EDI
Total/NA	Analysis	8081B		1	671422	01/29/20 09:15	FAM	TAL EDI
Total/NA	Prep	3510C			671306	01/28/20 15:40	OXG	TAL EDI
Total/NA	Analysis	8082A		1	671417	01/29/20 14:32	JHP	TAL EDI
Dissolved	Filtration	FILTRATION			672564	02/03/20 11:17	MDC	TAL EDI
Dissolved	Prep	3010A			672565	02/03/20 11:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	672572	02/03/20 15:43	MDC	TAL EDI
Total/NA	Prep	3010A			671663	01/29/20 20:45	GAE	TAL EDI
Total/NA	Analysis	6020B		2	672572	02/03/20 11:00	MDC	TAL EDI
Dissolved	Filtration	FILTRATION			672134	01/31/20 11:55	RBS	TAL EDI
Dissolved	Prep	7470A			672140	01/31/20 12:39	RBS	TAL EDI
Dissolved	Analysis	7470A		1	672199	01/31/20 14:52	RBS	TAL EDI
Total/NA	Prep	7470A			672138	01/31/20 12:32	RBS	TAL EDI
Total/NA	Analysis	7470A		1	672199	01/31/20 13:58	RBS	TAL EDI

Client Sample ID: TB-01_20200127
Lab Sample ID: 460-201730-3
Date Collected: 01/27/20 09:00
Matrix: Water
Date Received: 01/27/20 19:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	671715	01/30/20 10:34	SZD	TAL EDI

Client Sample ID: TB-01_20200128
Lab Sample ID: 460-201818-1
Date Collected: 01/28/20 08:00
Matrix: Water
Date Received: 01/28/20 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	672017	01/31/20 13:14	SZD	TAL EDI

Client Sample ID: MW-03_20200128
Lab Sample ID: 460-201818-2
Date Collected: 01/28/20 09:40
Matrix: Water
Date Received: 01/28/20 18:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	672017	01/31/20 18:01	SZD	TAL EDI
Total/NA	Prep	3510C			672063	01/31/20 08:46	DXD	TAL EDI
Total/NA	Analysis	8270D		1	672220	02/01/20 05:07	YAH	TAL EDI
Total/NA	Prep	3510C			671865	01/30/20 15:53	OXG	TAL EDI
Total/NA	Analysis	8081B		1	672001	01/31/20 07:41	FAM	TAL EDI
Total/NA	Prep	3510C			671864	01/30/20 15:50	OXG	TAL EDI
Total/NA	Analysis	8082A		1	672175	02/01/20 03:02	JHP	TAL EDI

Lab Chronicle

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Client Sample ID: MW-03_20200128

Date Collected: 01/28/20 09:40
Date Received: 01/28/20 18:40

Lab Sample ID: 460-201818-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Filtration	FILTRATION			672564	02/03/20 11:17	MDC	TAL EDI
Dissolved	Prep	3010A			672565	02/03/20 11:20	MDC	TAL EDI
Dissolved	Analysis	6020B		2	672572	02/03/20 15:46	MDC	TAL EDI
Total/NA	Prep	3010A			671663	01/29/20 20:45	GAE	TAL EDI
Total/NA	Analysis	6020B		2	672572	02/03/20 11:03	MDC	TAL EDI
Dissolved	Filtration	FILTRATION			672134	01/31/20 11:56	RBS	TAL EDI
Dissolved	Prep	7470A			672140	01/31/20 12:39	RBS	TAL EDI
Dissolved	Analysis	7470A		1	672199	01/31/20 14:53	RBS	TAL EDI
Total/NA	Prep	7470A			672138	01/31/20 12:32	RBS	TAL EDI
Total/NA	Analysis	7470A		1	672199	01/31/20 14:05	RBS	TAL EDI

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: AKRF Inc
Job ID: 460-201595-1
Project/Site: 1100 Myrtle Ave, Brookyln

Laboratory: Eurofins TestAmerica, Edison

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-20

Method Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
8270D SIM ID	Semivolatile Organic Compounds (GC/MS SIM / Isotope Dilution)	SW846	TAL EDI
8081B	Organochlorine Pesticides (GC)	SW846	TAL EDI
8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL EDI
6020B	Metals (ICP/MS)	SW846	TAL EDI
7470A	Mercury (CVAA)	SW846	TAL EDI
3010A	Preparation, Total Metals	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI
7470A	Preparation, Mercury	SW846	TAL EDI
FILTRATION	Sample Filtration	None	TAL EDI

Protocol References:

None = None

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

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Sample Summary

Client: AKRF Inc
Project/Site: 1100 Myrtle Ave, Brookyln

Job ID: 460-201595-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-201595-1	MW-02_20200124	Water	01/24/20 16:30	01/24/20 19:30	
460-201730-1	MW-01_20200127	Water	01/27/20 11:50	01/27/20 19:20	
460-201730-2	MW-04_20200127	Water	01/27/20 16:20	01/27/20 19:20	
460-201730-3	TB-01_20200127	Water	01/27/20 09:00	01/27/20 19:20	
460-201818-1	TB-01_20200128	Water	01/28/20 08:00	01/28/20 18:40	
460-201818-2	MW-03_20200128	Water	01/28/20 09:40	01/28/20 18:40	

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler: Matthew Levy	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone: 646 388 9565	E-Mail: melissa.haas@testamericainc.com		Page: Page of
Company: AKRF Inc				Job #: 201595

Address: 440 Park Avenue South 7th Floor	Due Date Requested:	Analysis Requested	Preservation Codes:
City: New York	TAT Requested (days): 5 days		A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: NY, 10016			
Phone:	PO #: 190458		Other:
Email: kwiles@akrf.com	WO #:		
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561		
Site:	SSOW#:		

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	5-Day RUSH	Total Number of containers	Special Instructions/Note:
			Preservation Code:											
MW-02_20200124	1/24/20	1630	G	W			X	X	X	X	X		1	

460-201595 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	1/24/20 1730	AKRF	[signature]	1/24/20 1730	T.A.
2	[signature]	1/24/20 1910	T.A.	[signature]	1/24/20 1900	T.A.
3						

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

2.4 / 2.3 Th #4

Ver: 01/16/2019

Job Number: 201595

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.4 ℃	2.7 ℃	Cooler #4:	℃	℃	Cooler #7:	℃	℃
Cooler #2:	℃	℃	Cooler #5:	℃	℃	Cooler #8:	℃	℃
Cooler #3:	℃	℃	Cooler #6:	℃	℃	Cooler #9:	℃	℃

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				02											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: _____ Date: 11/24/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone:	E-Mail: melissa.haas@testamericainc.com		Page: Page of
Company: AKRF Inc				Job #: 201730
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

5-Day RUSH

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
MW-01-20200127	1/27/20	1150	G	W			X	X	X	X	(AC)		1
~~MW-02-20200127~~ (AC)							~~X~~	~~X~~	~~X~~	~~X~~	(AC)		—
MW-04_20200127	1/27/20	1620	G	W			X	X	X	X			2
TB-01_20200127	1/27/20	0700	—	W			X						3

460-201730 Chain of Custody

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E	Special Instructions/QC Requirements: Both dissolved and lab filtered for metal analysis

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:
Relinquished by: Antonio Cardenas	Date/Time: 1/27/20 17:30	Company: AKRF	Received by:	Date/Time: 1/27/20 17:30	Company:
Relinquished by:	Date/Time: 1/27/20 19:20	Company: FedEx	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by: Joseph Sou	Date/Time: 1/27/20 1920	Company: FedEx

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 21730

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.2 °C	2.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											
2				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: _____ Date: 11/27/20

Eurofins TestAmerica, Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information	Sampler:	Lab PM: Haas, Melissa	Carrier Tracking No(s):	COC No: 460-123597-79640.1
Client Contact: Mr. Kenneth Wiles	Phone:	E-Mail: melissa.haas@testamericainc.com		Page: Page of
Company: AKRF Inc				Job #: 201818
Address: 440 Park Avenue South 7th Floor	Due Date Requested:			
City: New York	TAT Requested (days): 5 days			
State, Zip: NY, 10016				
Phone:	PO #: 190458			
Email: kwiles@akrf.com	WO #:			
Project Name: 1100 Myrtle Ave, Brookyln	Project #: 46031561			
Site:	SSOW#:			

Analysis Requested

5-Day RUSH

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C - TCL VOCs (Soils-no 1,4-DX; GW-w/1,4-DX)	8270D - TCL BNA (Soils: w/ 1,4-DX; GW&TB-no 1,4-DX)	8081B - TCL Pesticides; 8082A - PCBs	6020B/7471B/7470A - TAL Metals	8270D_SIM_MS_ID - 1,4-Dioxane (GW only)	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
TB-01_20200128	1/28/20	0800	-	W			X						1
MW-03_20200128	1/28/20	0940	G	W			X	X	X	X			2

460-201818 Chain of Custody

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify): NY Cat A + E

Special Instructions/QC Requirements: Dissolved and lab filtered for metal analysis

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	Antonio Cardenas	1/28/20 1400			1/28/20 1425	
2	Samuel	1/28/20 1600	FA	Samuel	1/28/20 1600	FA
3				Kelly	+AED 1/28/20 1840	

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

2.7 3.0 IR

2/4/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 201816

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	27 °C	30 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
2				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

*Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.

EDS-WI-038, Rev 4.1
10/22/2019

Initials: [signature] Date: 12820

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201595-1

Login Number: 201595
List Number: 1
Creator: Rivera, Kenneth

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201595-1

Login Number: 201730
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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

Login Sample Receipt Checklist

Client: AKRF Inc

Job Number: 460-201595-1

Login Number: 201818
List Number: 1
Creator: Meyers, Gary

List Source: Eurofins TestAmerica, Edison

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