

PHASE II SITE INVESTIGATION REPORT

**233-239 Nevins Street
Block 412, Lot 6
Brooklyn, New York 11217**

Prepared For:

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1. Background

The subject property is located at 223-239 Nevins Street (Block 412/Lot 6) between Butler Street to the north, Douglas Street to the south, 3rd Avenue to the east, and Nevins Street to the west, in the Borough of Brooklyn, New York. Lot 1 is currently owned by L.C.R.-LLC and Lot 6 is owned by 236 Butler St. Corp. A Site Location Map is provided as Figure 1.

The subject property consists of two contiguous lots along the east side of Nevins Street in Brooklyn, NY. Lot 6 contains a 2-story building and vacant lot and was used for oil truck maintenance and parking. Lot 1 contains a 1-story building that covers the entire property and was used for oil truck parking. Both lots are currently unoccupied but were previously used for processing of material from petroleum tank cleaning.

A Phase I Environmental Site Assessment Report (ESA) was completed in August 2016 by Merritt Environmental Consulting Corp. Based on a review of the Phase I ESA, the New York City Department of Environmental Protection (DEP) required that a Phase II Site Investigation be conducted at the subject property based on the historical and surrounding land uses to adequately identify/characterize the surface and subsurface soils of the subject property.

Merritt conducted a Phase II site investigation following their Phase I ESA based on a number of reported underground storage tanks (USTs) onsite. The information provided in the Merritt report states that there were a number of tanks across the subject property that were discovered. Soil and groundwater samples were collected adjacent to these USTs and analyzed. In general the results were below applicable New York State criteria. The Merritt Phase II does not include figures, diagrams, or detailed descriptions of where the USTs were or if they were removed. The full Merritt report is provided in Appendix A.

Equity was hired by JBS Management (JBS) to conduct a Remedial Investigation of the subject property as part of their due diligence of the potential purchase of the property. The objective of the Remedial Investigation (RI), was to characterize the presence and nature of potential contamination in the soil, soil-gas, and/or groundwater on the subject property, including those typically associated with the management of various fuel oils, New York City urban fill, and the industrial history of the area. The scope of work for the RI was conducted in general accordance with the rules and requirements in the New York State Department of Environmental Conservation (NYSDEC), Division of Environmental Remediation (DER) 10/Technical Guidance for Site Investigation and Remediation, and consisted of the following tasks:

1. Surface geophysics survey
2. Installation of soil borings and the collection of soil samples from each boring.
3. The installation of temporary monitoring wells and collection of groundwater samples.
4. The installation of soil vapor points and the collection of soil vapor samples.

2. Site Investigation

2.1 Soil Sampling

The investigation consisted of the installation of five (5) soil borings on May 31, 2017 and four (4) additional soil borings on June 27, 2017 and the collection of two (2) soil samples from each boring. During both soil boring events (i.e. 05/31/2017 & 06/27/2017), Equity supervised the installation of a total of nine soil borings by Aquifer Drilling Technologies (ADT), a New York

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Licensed driller, and collected soil samples from each of the borings using a direct-push drill rig. During the May 2017 event, the soil borings were designated as SB-1, SB-2, SB-3, SB-4, and SB-5 and were advanced to a total depth of approximately 9 feet to 10 feet respectively. During the June 2017 event four (4) additional soil borings were installed and designated as SB-6, SB-7, SB-8, SB-9 and were advanced to a total depth of approximately 8 feet to 9 feet respectively. In each boring, the first sample was collected from a discrete 6-inch interval within the first 0-2 feet of the boring, and the second from a discrete 6-inch interval just above the water table from each of the borings. No samples were collected beneath the water table. The sample nomenclature included the sample depth; for example, "SB-1 (0'-1') was the surface sample from SB-1. The Sampling Location Plan is provided as Figure 2 and identifies the locations of all nine soil borings.

During the soil investigation, the soil borings and samples were monitored for volatile organic emissions using a Photo-ionization Detector (PID). There were high PID readings that occurred in SB-1 (13'-15'), SB-5 (2'-15'), SB-2 (9'-10'), SB-4 (1'-9'), SB-8 (1'-9'), and SB-9 (5'-15'). The table below present some of the higher PID readings in some of the borings. Dark black staining of the soils was observed in SB-1, SB-5, SB-8, and SB-9, with petroleum odors also observed in SB-1, SB-4, SB-5, SB-6, SB-8, and SB-9. Strong petroleum and chemical odors were observed in most of the soil borings installed during both events.

Soil Boring	Depth (approx.)	PID Reading
SB-1	12-13	1,500
SB-2	9-10	150
SB-4	2-3	387
SB-5	8-9	196
SB-8	9-10	521
SB-9	13-14	401

All soil samples were collected using dedicated, disposable plastic soil samplers/trowels, and were collected above the water table and biased to the highest Photo-ionization detector (PID) reading, visual staining in the soil boring, and/or petroleum odors. No atmospheric weather conditions were encountered which might have significantly influenced the performance of the remedial action and/or the results of the sampling program.

The soil samples were analyzed for the following suite of parameters:

- Target Compound List (TCL) Volatile Organic Compounds (VOCs);
- TCL Semi-Volatile Organic Compounds (SVOCs);
- Target Analyte List (TAL) Metals (USEPA Methods 6010/6020/7471);
- Pesticides and Polychlorinated Biphenyls (PCBs) (USEPA Method 8081/8082).

The soil samples were placed in laboratory-supplied containers, preserved on ice, and submitted under chain-of-custody procedures to the contract laboratory for analysis. VOC samples were collected using Terra-core samplers. All samples were shipped to SGS Accutest, a laboratory certified in the New York State Department of Health (DOH) Environmental Laboratory

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Analysis Program (ELAP). Upon completion of the analyses, Category B data deliverables were provided.

Quality Assurance/Quality Control (QA/QC) samples were collected during the May and June 2017 investigations. QA/QC samples consisted of collection of a duplicate and field blank sample for soil during the May 31, 2017 investigation, and collection of a field blank sample during the June 27, 2017 investigation.

Generally, the soil consisted of fine to coarse sands with gravel throughout the site with debris such as wood and brick fragments within the first five (5) feet from the surface. As mentioned above, dark black staining of the soil occurred in SB-1, SB-5, SB-8, and SB-9 and petroleum odors occurred in SB-1, SB-4, SB-5, SB-6, SB-8, and SB-9. High photoionization detector (PID) readings occurred in SB-1(13'-15'), SB-5 (2'-15'), SB-2 (9'-10'), SB-4 (1'-9'), SB-8 (1'-9'), and SB-9 (5'-15'). The color of the sand varied from brown to red. Boring logs are provided in Appendix B.

2.2 Groundwater Sampling

The investigation consisted of the installation of three (3) temporary well points (TW-1, TW-3, and TW-5) on May 31, 2017 and one (1) additional temporary well point (TW-9) on June 27, 2017. Groundwater onsite is at approximately ten (10) feet bgs. All four (4) temporary wells were installed to a depth of 15-feet below grade surface (bgs). The well points was made up of 10 feet of screen straddling the water table and riser pipe made of 1-inch diameter polyvinyl chloride (PVC).

Prior to the collection of the samples at least three well volumes were purged using a peristaltic pump and a Teflon bailer was used for sample collection. The samples were collected in laboratory supplied glassware which was then sealed and labeled. The groundwater samples were designated as TW-1, TW-3, TW-5, and TW-9. Once complete, the sample bottles were placed in coolers and maintained at a temperature of four degrees Celsius (4° C) and submitted under chain-of-custody procedures to SGS Accutest in Dayton, NJ a DOH-ELAP certified laboratory.

Quality Assurance/Quality Control (QA/QC) samples were collected during the field investigation. A duplicate, field blank, and trip blank sample were collected for groundwater. All groundwater sampled were analyzed for TCL VOCs, SVOCs, pesticides, PCBs, and TAL metals (total and dissolved). The samples were filtered in the lab for the dissolved metals analysis.

Chemical odors were observed in TW-9 and the ground water left a greenish oily film on surfaces it came in contact with.

2.3 Soil Gas Sampling

The investigation consisted of the installation of three (3) sub-slab soil gas points (SV-1, SV-3, & SV-5) on May 31, 2017 and two (2) additional sub-slab soil gas points (SV-6 & SV-9) on June 27, 2017. SV-1, SV-5, SV-6, and SV-9 were installed to nine (9) feet bgs approximately one (1) foot above the water table. SV-3 was installed to eight (8) feet bgs. All SV points were properly filled with sand and grouted at the surface in accordance with New York State Department of Health (DOH) requirements. Helium was used as a tracer gas to ensure a proper

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seal before collecting the sample. A 2-hour air sample was collected in a 1-liter summa canister for TO-15 analysis. Upon completion of the sampling, the tubing was cut off at ground surface and plugged.

The five (5) soil-gas samples designated were collected in laboratory-supplied stainless-steel Summa canisters, and submitted under chain-of-custody procedures to SGS Accutest Laboratories, a New York ELAP certified laboratory, located in Dayton, New Jersey. Upon completion of the analyses, Category B data deliverables were provided.

Soil vapor points SV-3 and SV-5 both encountered sample collection problems on the initial investigation. The regulator associated with the summa canister for SV-3 indicated that all soil vapors entered the canister within approximately five (5) seconds rather than the proposed two (2) hour period, as the pressure quickly dropped from approximately 28 inches of Hg to 0 inches of Hg. It is unclear if this was an issue with the regulator malfunctioning or if a five (5) second grab sample was taken.

The regulator associated with the summa canister for SV-5 indicated that over a two (2) hour period of time the canister pressure remained at 30 inches of hg and no vapors entered the canister. Attempts were made to clear any possible obstructions in the tubing and regulator. However, after these attempts were made the regulator continued to indicate no vapors were entering the canister as the pressure remained the same throughout the sampling period. Soil vapor points SV-3 and SV-5 were left in place and properly sealed off in order to be re-sampled on another date. On June 27, 2017 SV-3, and SV-5 were resampled using the previously installed soil vapor points from May 31, 2017. The two new soil vapor points, SV-6 and SV-9 were also sampled. Helium was used as a tracer prior to purging and collection of sample to ensure a proper seal is in place in accordance with the most current New York State Department of Health (DOH) guidance.

SV-3 again proved problematic in that the pressure in the summa canister only dropped 5 inches of mercury (Hg) from 30 Hg to 25 Hg over a three (3) hour period. Attempts were made to clear any possible obstructions in the tubing and regulator. However, after these attempts were made the regulator continued to sample at a very slow pace. The summa canister was closed after three (3) hours of sampling. The results for all soil vapor samples from SV-3 are provided for discussion purposes only as the data is not valid.

3.0 Analytical Results

The samples were submitted to SGS Accutest Laboratories, an Environmental Laboratory Analysis Program (ELAP) approved lab for analysis. The analytical results for the samples are provided on the tables referenced below. The analytical data packages are available in Appendix C. The following is a discussion of the results by contaminant and media:

3.1 Soil

3.1.1 Volatile Organic Compounds (VOCs)

Several VOCs were detected at low levels, however none exceeded the New York State Department

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of Environmental Conservation (NYSDEC) Restricted Residential, or Commercial soil cleanup criteria in 6-NYCRR 375-6. The data are provided on Table 1.

3.1.2 Semi-Volatile Organic Compounds (SVOCs)

Numerous SVOC sample exceeded the New York State Department of Environmental Conservation (NYSDEC) Restricted Residential, or Commercial soil cleanup criteria in 6-NYCRR 375-6. Contaminates exceeded include: Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, and Indeno(1,2,3-cd)pyrene.

Higher levels of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, and Indeno(1,2,3-cd)pyrene were found in SB-7 (0-2), and SB-9 (0-2).

3.1.3 Pesticides/Polychlorinated Biphenyls (PCBs)

There were no polychlorinated biphenyls (PCBs) detected in any of the soil samples. Numerous pesticides were detected in the soil samples, but all detected results were below the NYSDEC Restricted Residential, or Commercial soil cleanup criteria in 6-NYCRR 375-6.

3.1.4 Metals

SB-2 (9-10') contained levels of arsenic exceeding commercial standards. Exceedances of lead towards the center of the site at SB-2 (9-10'), SB-4 (8-9'), SB-5 (2-3'), and SB-7 (0-2) were observed. The lead concentration in the surface samples from SB-5(2-3) was 2,280 parts per million (ppm).

3.2 Groundwater

3.2.1 Volatile Organic Compounds (VOCs)

The analytical results for ground water samples were compared to the Class GA GW Standards and indicated that a number of VOCs were detected at low levels, but below the applicable standard. The data are provided on Table 2.

Analytical results for TW-9 sampled during the June 27th, 2017 event indicated higher levels of Benzene, Ethylbenzene, Isopropylbenzene, Toluene, and Xylene (BTEX) were detected.

3.2.2 Semi-Volatile Organic Compounds (SVOCs)

Three SVOCs were detected above the standard, these contaminants include: Phenol, Benzo(a)pyrene, and bis(2-Ethylhexyl)phthalate. However, these contaminants are not generally consistent with soil contaminants.

3.2.3 Pesticides/Polychlorinated Biphenyls (PCBs)

Several pesticides were detected below the standards and no PCBs were detected in groundwater.

3.2.4 Metals

Concentrations of metals, particularly arsenic, iron, lead, mercury, and total chromium were detected in most if not all of the temporary wells above the commercial standard.

3.3 Soil Gas

3.3.1 Toxic Organic – 15 (TO- 15) VOC Air Collection

The analytical results for SV-1, SV-5, SV-6, and SV-9 indicated hits of the following contaminants: Acetone, 1,3-Butadiene, Benzene, Carbon disulfide, Chloroform, Chloromethane, Cyclohexane,

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Dichlorodifluoromethane, Ethanol, Ethylbenzene, Ethyl Acetate, 4-Ethyltoluene, Heptane, Hexane, 2-Hexanone, Methylene chloride, Methyl ethyl ketone, Methyl Tert Butyl Ether, 1,1,1-Trichloroethane, 1,2,4-Trimethylbenzene, 1,3,5-Trimethylbenzene, 2,2,4-Trimethylpentane, Tertiary Butyl Alcohol, Tetrachloroethylene, Toluene, Trichlorofluoromethane, m,p-Xylene, o-Xylene, and Xylenes (total).

A number of these compounds were also detected in soil and groundwater. SV-5, SV-6, and SV-9 had significantly higher levels of contamination compared to SV-1. SV-5 had higher levels of 2,2,4-Trimethylpentane and Cyclohexane. SV-6 contained higher levels of Acetone and Methyl ethyl ketone. SV-9 was contaminated at higher levels with Heptane, Hexane, and 2,2,4-Trimethylpentane. The data are provided in Table 3. As is discussed below, these impacts can be mitigated with readily available measures acceptable to DEC.

3.4 Quality Assurance/Quality Control

Several SVOCs were detected in the duplicate soil sample DUP-01 at concentrations in exceedance of their respective cleanup criteria, but were found below the criteria in the soil sample SB-2(0-2'). Also, several metals were detected in the duplicate soil sample DUP-01 at concentrations greater than in soil sample SB-2(0-2').

The duplicate soil sample, DUP-01 was consistent with the original sample collected from the same soil interval. There were no compounds detected in either of the field blank samples (FB-1-Water, FB-2-Soil) or in the Trip Blank sample for groundwater.

4.0 Summary

The Phase II Site Investigation included the following activities:

- Nine (9) soil borings were installed onsite and eighteen (18) soil samples were collected; two (2) soil samples from each soil boring and one (1) duplicate sample.
- Four (4) temporary well points were installed and four (4) groundwater sample were collected.
- Four (4) soil gas points were installed and five (5) samples were collected. Samples from SV-3 were collected on two separate attempts (i.e. initial and June 27, 2017 event).
- The analytical results for soil indicated the presence of numerous SVOCs and exceedances with higher levels of SVOCs in samples SB-7 (0-2), and SB-9 (0-2). Metals also exceeded standards in particular, SB-2 (9-10') contained higher levels of arsenic which exceeded the commercial standards and concentrations of lead towards the center of the site were observed.
- The groundwater analytical results indicated the presence of three SVOCs detected above the standard, however, these three SVOCs are not generally consistent with soil contaminants. Also, higher concentrations of metals, particularly arsenic, iron, lead, mercury, and total chromium were detected in most if not all of the temporary wells.
- Analytical results for TW-9 sampled during the June 27th, 2017 event indicated higher levels of Benzene, Ethylbenzene, Isopropylbenzene, Toluene, and Xylene (BTEX) were detected. There were numerous VOCs detected during the May 31, 2017 event, but no exceedances of the standards.
- The soil gas data indicated that numerous VOCs were detected in the soil vapor beneath the site.

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- None of the samples suggest contamination at a level that would be unusual for a property of this type, and such contamination is readily subject to mitigation and remediation.

5.0 Recommendations

JBS Management advises that the proposed future use of the subject property may consist of a residential building constructed on what is currently a vacant lot. The two remaining warehouses on the subject property may be enlarged but will remain commercial properties.

Based on an evaluation of the information presented above and the results of the soil, ground water, and soil vapor samples collected at the site, a Remedial Action Plan (RAP) will be prepared for the properties. It is anticipated that JBS would apply for entry into the Brownfield Cleanup Program (BCP). For the proposed residential building on the vacant lot of the subject property, the RAP would include the design and installation of a Vapor Mitigation System (VMS) to address the contamination below the proposed main building slab. It would also include requirements for the proper transportation and disposal of excavated soil and the implementation of a Community Air Monitoring Program (CAMP).

For the two commercial lots, it is recommended that indoor air monitoring be completed to determine if there is an indoor air quality concern. Based on the results of that testing, additional mitigation measures may be implemented. The documentation of the above activities would ultimately be incorporated into submissions to DEC for the properties to obtain a Certificate of Completion under the BCP. .

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Figures



Legend:

 **Project Site**

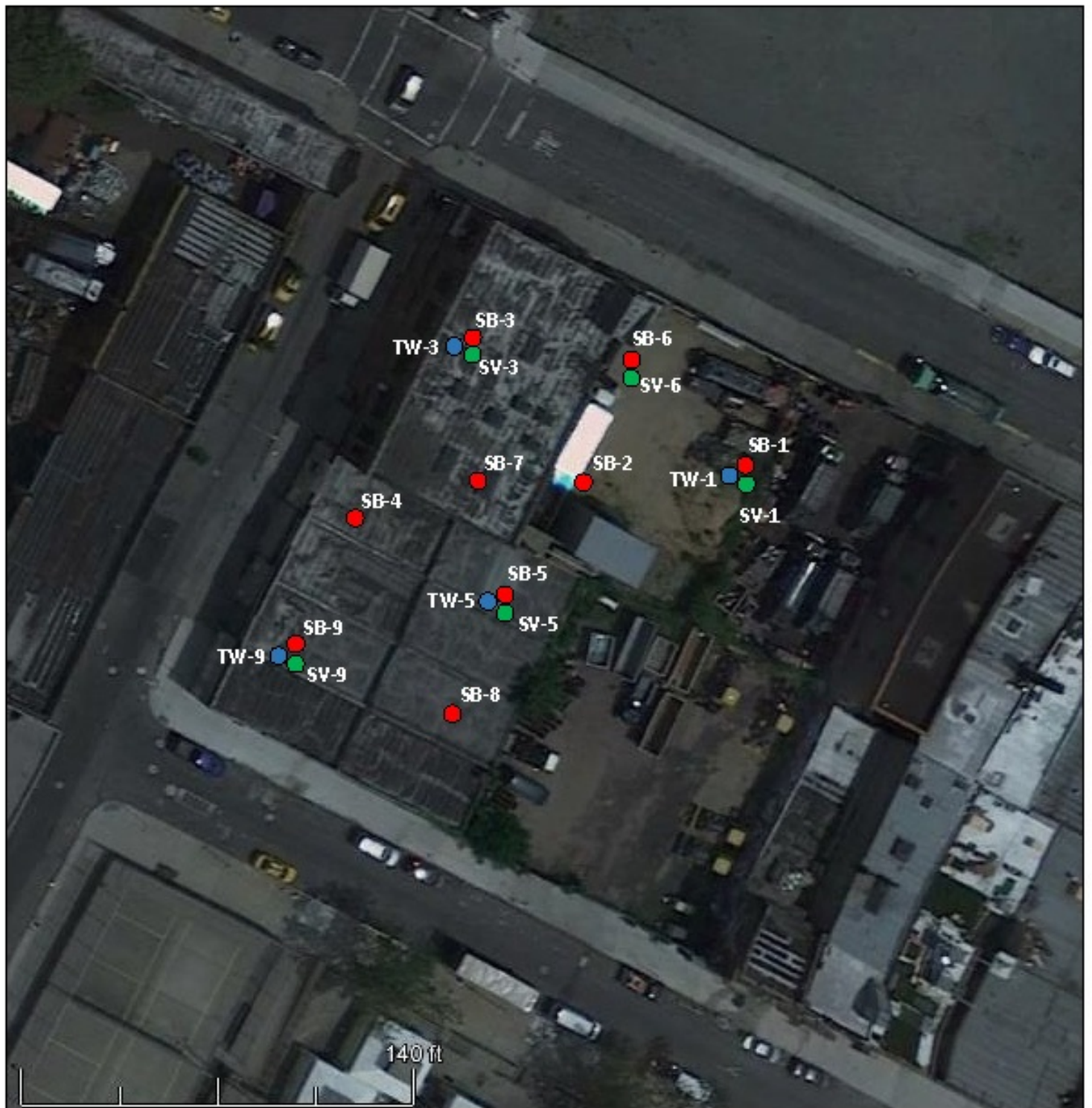


Figure 1
Site Location Map

233-239 Nevins Street
Brooklyn, NY

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Drawn By/Date	AK/07 27 2017
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Legend

- Soil Boring
- Soil Gas
- Temporary Well



Figure 2
Sample Location Plan

233-239 Nevins Street
Brooklyn, NY


equity environmental engineering
100% Employee Owned • 100% Client Owned • 100% Profit Shared

DATE: 01/14/17	BY: JMT	UNIVERSITY
01/14/2017		

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Tables

Table 2
Groundwater Analytical Results

233 Nevins St. Brooklyn, NY															
Aroclor 1242	ug/l	0.09	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	-	ND (0.19)	ND (0.24)	-	ND (0.19)	-
Aroclor 1248	ug/l	0.09	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	-	ND (0.28)	ND (0.15)	-	ND (0.28)	-
Aroclor 1254	ug/l	0.09	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	-	ND (0.16)	ND (0.17)	-	ND (0.16)	-
Aroclor 1260	ug/l	0.09	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	-	ND (0.27)	ND (0.14)	-	ND (0.27)	-
Aroclor 1268	ug/l	0.09	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	-	ND (0.12)	ND (0.16)	-	ND (0.12)	-
Aroclor 1262	ug/l	0.09	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	ND (0.13)	-	ND (0.13)	ND (0.15)	-	ND (0.13)	-

Metals Analysis

Aluminum	ug/l	-	94600 c	<200	82200 c	<200	104000 c	<200	59900 c	<200	<200	18600 a	<200	<200	-
Antimony	ug/l	3	<30 c	<6.0	42.5 c	10.8	<30 c	<6.0	<30 c	<6.0	<6.0	<30 a	<6.0	<6.0	-
Arsenic	ug/l	25	53.0 c	4.2	167 c	9.3	168 c	5.1	86.5 c	5.4	<3.0	38.0 a	10.2	<3.0	-
Barium	ug/l	1000	<1000 c	230	1810 c	<200	2370 c	<200	1350 c	<200	<200	<1000 a	211	<200	-
Beryllium	ug/l	-	6.0 c	<1.0	6.0 c	<1.0	8.0 c	<1.0	<5.0 c	<1.0	<1.0	<5.0 a	<1.0	<1.0	-
Cadmium	ug/l	5	<15 c	<3.0	<15 c	<3.0	<15 c	<3.0	<15 c	<3.0	<3.0	<15 a	<3.0	<3.0	-
Calcium	ug/l	-	198000 c	162000	601000 c	131000	441000 c	165000	248000 c	159000	<5000	200000 a	219000	<5000	-
Chromium	ug/l	50	160 c	<10	215 c	<10	285 c	<10	160 c	<10	<10	64.5 a	<10	<10	-
Cobalt	ug/l	-	<250 c	<50	<250 c	<50	<250 c	<50	<250 c	<50	<50	<250 a	<50	<50	-
Copper	ug/l	200	238 c	10.5	550 c	<10	734 c	<10	367 c	<10	<10	89.5 a	<10	<10	-
Iron	ug/l	300	171000 c	152	197000 c	223	208000 c	516	113000 c	949	<100	62800 a	9890	<100	-
Lead	ug/l	25	830 c	5.6	6180 c	45.6	5200 c	10	2810 c	6.1	<3.0	955 a	13	<3.0	-
Magnesium	ug/l	-	50600 c	30700	50900 c	20400	75700 c	30600	48600 c	29800	<5000	44700 a	39500	<5000	-
Manganese	ug/l	300	6230 c	1030	3720 c	333	4750 c	653	2420 c	680	<15	1640 a	1240	<15	-
Mercury	ug/l	0.7	<1.2 c	<0.20	13.4	<0.20	31.9	<0.20	7.1	<0.20	<0.20	6.3 a	<0.20	<0.20	-
Nickel	ug/l	100	259 c	<10	248 c	<10	489 c	<10	279 c	<10	<10	118 a	<10	<10	-
Potassium	ug/l	-	<50000 c	19100	<50000 c	20200	<50000 c	26900	<50000 c	25400	<10000	<50000 a	36100	<10000	-
Selenium	ug/l	10	<50 c	<10	<50 c	<10	<50 c	<10	<50 c	<10	<10	<50 a	<10	<10	-
Silver	ug/l	50	<50 c	<10	<50 c	<10	<50 c	<10	<50 c	<10	<10	<50 a	<10	<10	-
Sodium	ug/l	20000	81100 c	103000	87400 c	121000	128000 c	137000	106000 c	129000	<10000	184000 a	172000	<10000	-
Thallium	ug/l	-	<10 c	<2.0	<10 c	<2.0	<10 c	<2.0	<10 c	<2.0	<2.0	<10 a	<2.0	<2.0	-
Vanadium	ug/l	-	<250 c	<50	277 c	<50	344 c	<50	<250 c	<50	<50	<250 a	<50	<50	-
Zinc	ug/l	-	648 c	<20	2640 c	22.2	2050 c	<20	1200 c	<20	<20	514 a	<20	<20	-

Footnotes:

^a This compound in BS is outside in house QC limits bias high.

^b More than 40 % RPD for detected concentrations between the two GC columns.

^c Elevated sample detection limit due to difficult sample matrix.

^d Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

^e Elevated detection limit due to dilution required for high interfering element.

^f Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

¹ NOTE: The above contain the following criteria that must be evaluated manually by the user:

Sum of Aldicarb and Methomyl at 0.35 ug/l.

Sum of Iron and Manganese at 500 ug/l.

Sum of Parathion and Methyl parathion at 1.5 ug/l.

Sum of Phenolic compounds (total phenols) at 1 ug/l.

Sum of Phenols, total chlorinated at 1 ug/l.

Sum of Phenols, total unchlorinated at 1 ug/l.

Principal organic contaminant at 5 ug/l defined as "any and every individual substance, whether listed in this Table or not, that is in one of the principal organic contaminant classes as defined in section 700.1 of this Title" unless listed elsewhere in this table.

Regulatory limits listed in this document have been obtained from the latest version of the regulations cited and are used for advisory purposes only. SGS Accutest assumes no responsibility for errors in regulatory documents or changes to criteria detailed in later versions of the referenced regulation. It is the responsibility of the user to verify these limits before using or reporting any data.

Table 3
Soil Vapor Analytical Results
233 Nevins St.
Brooklyn, NY

Client Sample ID:		SV-1	SV-3	SV-3	SV-5	SV-6	SV-9
Lab Sample ID:		JC44351-1	JC44351-2	JC46043-1	JC46043-2	JC46043-3	JC46043-4
Date Sampled:		5/30/2017	5/31/2017	6/27/2017	6/27/2017	6/27/2017	6/27/2017
Matrix:		Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.	Soil Vapor Comp.
GC/MS Volatiles (TO-15) - ug/m3							
Acetone	ug/m3	43.7	24	78.2	268	1390	191
1,3-Butadiene	ug/m3	8.6	ND (0.24)	ND (6.2)	ND (2.4)	ND (2.4)	ND (1.2)
Benzene	ug/m3	9.3	ND (0.32)	ND (8.0)	17 J	ND (3.2)	12 J
Bromodichloromethane	ug/m3	ND (0.80)	ND (0.80)	ND (19)	ND (8.0)	ND (8.0)	ND (3.9)
Bromoform	ug/m3	ND (0.73)	ND (0.73)	ND (19)	ND (7.3)	ND (7.3)	ND (3.6)
Bromomethane	ug/m3	ND (0.50)	ND (0.50)	ND (12)	ND (5.0)	ND (5.0)	ND (2.5)
Bromoethene	ug/m3	ND (0.27)	ND (0.27)	ND (7.0)	ND (2.7)	ND (2.7)	ND (1.4)
Benzyl Chloride	ug/m3	ND (0.44)	ND (0.44)	ND (11)	ND (4.4)	ND (4.4)	ND (2.2)
Carbon disulfide	ug/m3	4.7	ND (0.40)	ND (10)	56.1	ND (4.0)	ND (2.1)
Chlorobenzene	ug/m3	ND (0.32)	ND (0.32)	ND (7.8)	ND (3.2)	ND (3.2)	ND (1.6)
Chloroethane	ug/m3	ND (0.37)	ND (0.37)	ND (9.5)	ND (3.7)	ND (3.7)	ND (1.9)
Chloroform	ug/m3	2.9 J	ND (0.59)	ND (15)	ND (5.9)	ND (5.9)	ND (3.0)
Chloromethane	ug/m3	0.97 J	1.2 J	ND (13)	ND (5.4)	ND (5.4)	ND (2.7)
3-Chloropropene	ug/m3	ND (0.47)	ND (0.47)	ND (12)	ND (4.7)	ND (4.7)	ND (2.3)
2-Chlorotoluene	ug/m3	ND (0.72)	ND (0.72)	ND (19)	ND (7.2)	ND (7.2)	ND (3.7)
Carbon tetrachloride	ug/m3	ND (0.50)	ND (0.50)	ND (13)	ND (5.0)	ND (5.0)	ND (2.5)
Cyclohexane	ug/m3	29	ND (0.48)	413	9430	19 J	224
1,1-Dichloroethane	ug/m3	ND (0.53)	ND (0.53)	ND (13)	ND (5.3)	ND (5.3)	ND (2.6)
1,1-Dichloroethylene	ug/m3	ND (0.52)	ND (0.52)	ND (13)	ND (5.2)	ND (5.2)	ND (2.6)
1,2-Dibromoethane	ug/m3	ND (0.68)	ND (0.68)	ND (17)	ND (6.8)	ND (6.8)	ND (3.4)
1,2-Dichloroethane	ug/m3	ND (0.45)	ND (0.45)	ND (11)	ND (4.5)	ND (4.5)	ND (2.1)
1,2-Dichloropropane	ug/m3	ND (0.60)	ND (0.60)	ND (15)	ND (6.0)	ND (6.0)	ND (3.0)
1,4-Dioxane	ug/m3	ND (0.68)	ND (0.68)	ND (17)	ND (6.8)	ND (6.8)	ND (3.4)
Dichlorodifluoromethane	ug/m3	4.2	2.5 J	ND (12)	ND (4.9)	ND (4.9)	ND (2.5)
Dibromochloromethane	ug/m3	ND (0.85)	ND (0.85)	ND (21)	ND (8.5)	ND (8.5)	ND (4.3)
trans-1,2-Dichloroethylene	ug/m3	ND (0.40)	ND (0.40)	ND (9.9)	ND (4.0)	ND (4.0)	ND (2.0)
cis-1,2-Dichloroethylene	ug/m3	ND (0.52)	ND (0.52)	ND (13)	ND (5.2)	ND (5.2)	ND (2.7)
cis-1,3-Dichloropropene	ug/m3	ND (0.42)	ND (0.42)	ND (10)	ND (4.2)	ND (4.2)	ND (2.1)
m-Dichlorobenzene	ug/m3	ND (0.72)	ND (0.72)	ND (17)	ND (7.2)	ND (7.2)	ND (3.5)
o-Dichlorobenzene	ug/m3	ND (0.66)	ND (0.66)	ND (17)	ND (6.6)	ND (6.6)	ND (3.3)
p-Dichlorobenzene	ug/m3	ND (0.72)	ND (0.72)	ND (17)	ND (7.2)	ND (7.2)	ND (3.5)
trans-1,3-Dichloropropene	ug/m3	ND (0.54)	ND (0.54)	ND (13)	ND (5.4)	ND (5.4)	ND (2.6)
Ethanol	ug/m3	15	30.5	ND (18)	ND (7.2)	347	ND (3.6)
Ethylbenzene	ug/m3	12	ND (0.40)	ND (10)	ND (4.0)	32 J	28
Ethyl Acetate	ug/m3	13	ND (0.94)	73.4	ND (9.4)	30	44.6
4-Ethyltoluene	ug/m3	ND (0.54)	ND (0.54)	ND (14)	38 J	ND (5.4)	ND (2.7)
Freon 113	ug/m3	ND (0.74)	ND (0.74)	ND (18)	ND (7.4)	ND (7.4)	ND (3.7)
Freon 114	ug/m3	ND (0.68)	ND (0.68)	ND (17)	ND (6.8)	ND (6.8)	ND (3.4)
Heptane	ug/m3	38	ND (0.74)	ND (19)	134	33	1250
Hexachlorobutadiene	ug/m3	ND (1.0)	ND (1.0)	ND (26)	ND (10)	ND (10)	ND (5.1)
Hexane	ug/m3	68.7	2.2 J	71.5	180	41.9	2470
2-Hexanone	ug/m3	ND (0.65)	ND (0.65)	ND (17)	ND (6.5)	369	ND (3.4)
Isopropyl Alcohol	ug/m3	ND (0.88)	7.6	ND (22)	ND (8.8)	ND (8.8)	ND (4.4)
Methylene chloride	ug/m3	13	7.3	ND (11)	ND (4.5)	ND (4.5)	ND (2.3)
Methyl ethyl ketone	ug/m3	3.2	1.9 J	ND (13)	ND (5.0)	4280	62.5
Methyl Isobutyl Ketone	ug/m3	ND (0.94)	ND (0.94)	ND (23)	ND (9.4)	ND (9.4)	ND (4.5)
Methyl Tert Butyl Ether	ug/m3	ND (0.27)	ND (0.27)	36.1 J	667	ND (2.7)	ND (1.4)
Methylmethacrylate	ug/m3	ND (0.74)	ND (0.74)	ND (18)	ND (7.4)	ND (7.4)	ND (3.6)
Propylene	ug/m3	ND (0.40)	3.6	ND (10)	ND (4.0)	459	ND (2.1)
Styrene	ug/m3	ND (0.77)	ND (0.77)	ND (19)	ND (7.7)	ND (7.7)	ND (3.9)
1,1,1-Trichloroethane	ug/m3	13	ND (0.37)	ND (9.3)	ND (3.7)	ND (3.7)	ND (1.9)
1,1,2,2-Tetrachloroethane	ug/m3	ND (0.96)	ND (0.96)	ND (25)	ND (9.6)	ND (9.6)	ND (4.9)
1,1,2-Trichloroethane	ug/m3	ND (0.48)	ND (0.48)	ND (12)	ND (4.8)	ND (4.8)	ND (2.4)
1,2,4-Trichlorobenzene	ug/m3	ND (1.1)	ND (1.1)	ND (28)	ND (11)	ND (11)	ND (5.7)
1,2,4-Trimethylbenzene	ug/m3	2.4 J	ND (0.98)	94.4 J	109	34 J	41
1,3,5-Trimethylbenzene	ug/m3	ND (0.59)	ND (0.59)	ND (15)	23 J	ND (5.9)	11 J
2,2,4-Trimethylpentane	ug/m3	4.5	2.6 J	785	14500	85	943
Tertiary Butyl Alcohol	ug/m3	ND (0.33)	ND (0.33)	ND (7.9)	41.2	ND (3.3)	ND (1.6)
Tetrachloroethylene	ug/m3	6.8	1.7	ND (11)	ND (4.5)	ND (4.5)	6.7
Tetrahydrofuran	ug/m3	ND (0.53)	ND (0.53)	ND (13)	ND (5.3)	ND (5.3)	ND (2.7)
Toluene	ug/m3	31	3.1	ND (11)	57.3	105	119
Trichloroethylene	ug/m3	ND (0.25)	ND (0.25)	ND (6.4)	ND (2.5)	ND (2.5)	ND (1.3)
Trichlorofluoromethane	ug/m3	3.9 J	ND (0.34)	ND (8.4)	ND (3.4)	ND (3.4)	ND (1.7)
Vinyl chloride	ug/m3	ND (0.38)	ND (0.38)	ND (9.7)	ND (3.8)	ND (3.8)	ND (1.9)
Vinyl Acetate	ug/m3	ND (0.39)	ND (0.39)	ND (9.5)	ND (3.9)	ND (3.9)	ND (1.9)
m,p-Xylene	ug/m3	9.1	ND (1.2)	ND (29)	ND (12)	92.1	96
o-Xylene	ug/m3	3.2 J	ND (0.61)	ND (15)	83.4	35	37
Xylenes (total)	ug/m3	12	ND (0.61)	ND (15)	83.4	127	133

The results for both samples from SV-3 are provided for discussion purposes only as they were not valid samples based on problems during their collection.

PHASE II SITE INVESTIGATION REPORT

233-239 Nevins Street

Brooklyn, NY 11201

Appendix A

Merritt Phase I Report

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA)



**233-243 NEVINS STREET
AKA 236 BUTLER STREET
& 233-241 DOUGLASS STREET
BROOKLYN, NEW YORK 11217**

PREPARED FOR



MECC PROJECT M14942

AUGUST 2016

MERRITT ENVIRONMENTAL CONSULTING CORP.

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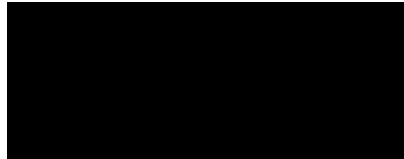
NEW YORK FLORIDA VERMONT

PHASE I ENVIRONMENTAL SITE ASSESSMENT (ESA) ASTM E1527-13

**PREPARED IN ACCORDANCE WITH THE
ALL APPROPRIATE INQUIRY (AAI) RULE**

Site Address 233-243 Nevins Street
AKA 236 Butler Street
& 233-241 Douglass Street
Brooklyn, New York 11217

Prepared for



Prepared By Merritt Environmental Consulting Corp.
77 Arkay Drive, Suite D
Hauppauge, New York 11788
(631) 617-6200
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MECC Project No Project M14942
Inspection Date June 2, 2016
Summary Date July 28, 2016
Final Report Date August 22, 2016

1) EXECUTIVE SUMMARY

Merritt Environmental Consulting Corp. (MECC) has completed a Phase I Environmental Site Assessment (ESA) at 233-243 Nevins Street, AKA 236 Butler Street and 233-241 Douglass Street, Brooklyn, New York 11217 (the "Property") in accordance with the scope of work presented in Section 2.2. The report conforms to the ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

MECC was retained to perform this Phase ESA as an agent for the buyer [REDACTED] conducting a due diligence evaluation prior to purchasing site.

The on site investigation was conducted on June 2, 2016. The Property currently consists of two (2) 2-story commercial buildings. The site is located on a plot size approximately 24,000 square feet. The buildings were constructed in 1931.

Based on our site reconnaissance, database review and historical investigation, no Recognized Environmental Conditions (RECs) were noted.

A Recognized Environmental Condition is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

No Controlled Recognized Environmental Conditions (CRECs) were noted.

A Controlled Recognized Environmental Condition (CREC) is an environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).

BUSINESS ENVIRONMENTAL RISK

A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

ITEM

1	MECC has reviewed several reports conducted on the property. Based on the information reviewed, depth to the water table at this property is within 8 feet below ground surface (bgs) making it likely that the bottoms of the larger USTs associated with the property may be in contact with the water table aquifer. Since it is known that a shallow water table exists and because the report(s) contains no groundwater quality data or reference to prior studies that may have investigated groundwater quality, impact on the water table aquifer is possible. If the property is slated for disposition and future redevelopment consideration should be given to reviewing historical groundwater quality data. If no groundwater quality data exists then consideration to obtaining groundwater samples for laboratory analysis to determine VOC content should be given.
2	If the site is to be sold for redevelopment, additional costs will be incurred to (a) remove whatever material was used to fill the tanks that may be impacted by at least residual levels of petroleum; (b) removing the tanks to make way for construction; and (c) possibly encountering soil during excavation that may exhibit a petroleum odor, necessitating special disposal. Furthermore, the reports reviewed by MECC include a discussion of urban fill material which will need to be properly addressed during any redevelopment.
3	The site is located in an industrial area of Brooklyn and several adjacent and nearby properties were industrial /manufacturing in nature over the years. None of the prior reports reviewed by MECC make a determination on whether or not the site may be a source of impact to groundwater quality or if it may be a contributing source of possible existing and area-wide groundwater quality degradation. Should any contamination or Vapor Encroachment/Intrusion Conditions (VEC/VIC) be discovered that is traced back to the adjacent properties, they would need to remediate in accordance with applicable regulations as the responsible party.

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

MECC has not conducted an asbestos, lead based paint or mold evaluation as these items are considered beyond the scope of the ASTM E1527-13 standard. Should the purchaser of the property need these issues addressed, they should retain reputable firms to provide this additional service.

The following Historical Recognized Environmental Conditions (HRECs) were identified in our database search:

A Historical Recognized Environmental Condition (HREC) is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, or meets unrestricted use criteria established by a regulatory authority without subjecting the property to any required controls.

NYSDEC SPILL EVENTS

- **Six (6) NYSDEC Spill events occurred on site:**

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) Business
236 Butler Street
Spill # 1403412
Spill date: 06/30/14
Close date: 07/11/14
Remarks: Spilled product throughout the facility | 2) Business
236 Butler Street
Spill # 1216856
Spill date: 03/30/13
Close date: 07/17/13
Remarks: Equipment failure on tank truck |
| 3) Petroleum Tank Cleaners
236 Butler Street
Spill # 1403303
Spill date: 05/21/14
Close date: 07/11/14
Remarks: petroleum product was found discharged to soil at several areas of the site | 4) Petroleum Tank Cleaners
236 Butler Street
Spill # 1204042
Spill date: 07/24/12
Close date: 07/25/12
Remarks: Housekeeping |
| 5) Petroleum Tank Cleaners
236 Butler Street
Spill # 1112454
Spill date: 11/01/11
Close date: 08/10/16
Remarks: petroleum staining was found on the ground around various UST's | 6) Petroleum Tank Cleaners
236 Butler Street
Spill # 0806428
Spill date: 09/08/08
Close date: 09/16/08
Remarks: Drum spill |

The spills have been closed by the New York State Department of Environmental Conservation (NYSDEC). On June 6, 2016, MECC submitted a Freedom of Information request to the NYSDEC for additional information on the above spill events.

In response to our request, MECC was provided with NYSDEC Spill Report forms for the above spills along with an order of consent for Spill No. 1112454 and a report authored by Petroleum Tank Cleaners dated July 2, 2013 (See Appendix A). In addition, MECC has been provided with several additional reports associated with the subject site.

Spill No. 1112454, was issued by NYSDEC for the presence of an oil sheen in several locations in the yard and at 241 Douglas Street in November 2011. The sheen had been the result of housekeeping issues surrounding the handling of petroleum at the site and vehicles which had leaked small quantities of oil during their operation.

To achieve closure of this spill, Petroleum Tank Cleaners was required to submit a subsurface investigation plan to NYSDEC to confirm that these observations did not in fact result in subsurface contamination at the site. A plan was submitted and approved for implementation. A subsurface investigation was conducted in June 2016 and a report was submitted to DEC. The investigation consisted of taking eight (8) soil borings in the yard at 236 Butler Street and four (4) soil borings at 241 Douglas Street. The eight (8) borings in the yard did not indicate the presence of the presence of petroleum below the surface. Of the four (4) borings taken in 241 Douglas Street all but one did not indicate any subsurface contamination.

A supplemental investigation was conducted in the yard with four (4) additional soil borings in a section that had not been addressed in the original sampling. Results of this supplemental investigation were the same. No odors or staining were observed and analytical results did not indicate the presence of petroleum.

The NYSDEC also required that the one location in the corner of 241 Douglas Street be delineated. Four (4) soil borings were taken 6 feet around the original boring and analyzed. The sample analyses showed that the contamination did not extend beyond the localized area. This localized area will be addressed by removal of a small quantity of soil and replacement with clean fill. Based on the work performed, the NYSDEC granted closure to Spill No. 1112454 on August 10, 2016.

Gasoline Tanks

During our reconnaissance, a gasoline vent line was observed on the roof (See Photo Section).

The Sanborn Map for the year 1938 shows one (1) gasoline tank present at 225-233 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Map for the year 1950 shows one (1) gasoline tank present at 235 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Maps for the years 1969-1987 shows two (2) gasoline tanks present at the 235-243 Nevins Street portion of the property.

MECC has been informed that the site had four (4) gasoline USTS (550 gallons each) - one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks.

Soil samples were taken at the location of 235-243 Nevins Street and showed no evidence of any release of gasoline.

MECC has been provided with an Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE. According to the report, a 3,000-gallon previously closed in place diesel fuel UST was identified to be associated with 241 Douglass Street. Locations of two (2) 550-gallon gasoline USTs that had been removed prior to NYS bulk storage tank regulations went into effect were also identified.

The results indicated all samples were below the soil cleanup objectives with the exception of Benzene in a sample taken from the area of the 3,000-gallon previously closed in place diesel fuel UST. The CP-51 Soil Cleanup Level (SCL) for benzene is 0.06 ppm. The report indicates that benzene was detected in one of the samples 0.0833 ppm, which is slightly above the cleanup level.

MECC has been informed that the location of the one tank at 236 Butler Street was identified and was scheduled to be investigated to confirm that the tank was closed in place and did not result in any subsurface contamination. MECC was informed that a report regarding the 550-gallon tank at this location was going to be forwarded to our office. It is has not yet been received.

Tanks Registered to 241 Douglass Street

Our database review indicated two (2) Underground Storage Tanks (USTs) registered to L.C.R. Trucking LLC (241 Douglass Street).

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 001
Tank Status: In Service
Expiration Date: 03/01/15

5,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 002
Tank Status: In Service
Expiration Date: 03/01/15

The tank registration should be updated and amended to reflect "closed-removed" status.

MECC has been informed that these two (2) tanks were emptied, cleaned and certified gas freed. In order to close these two (2) USTs it was necessary to sample the soil beneath the tanks. Three (3) soil samples were taken beneath the 10,000 gallon UST and two (2) soil samples were taken the 5,000 gallon UST tank. Results of the sample analyses showed there was no evidence of a petroleum release. Petroleum Tank was given permission by the NYSDEC to close the tanks in place and fill with sand which was done in 2015. An application to change the status of the tanks to "closed in place" was submitted to DEC and awaiting action.

Tanks Registered to 236 Butler Street

Our database review also indicated four (4) Underground Storage Tanks (USTs) registered to Petroleum Tank Cleaners (236 Butler Street).

**3,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 001
Tank Status: Closed-Removed
Date Tank Closed: 07/01/13**

**10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 002
Tank Status: Closed-Removed
Date Tank Closed: 01/08/14**

**10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 003
Tank Status: Closed-Removed
Date Tank Closed: 01/09/14**

**20,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 004
Tank Status: Administratively Closed**

The Petroleum Bulk Storage database on the DEC website indicates that (3) USTs were closed and (1) was administratively closed. In order for DEC to "close" a tank, documentation must be submitted to DEC and approved to show that tanks were either removed or closed in place and soil sample submitted showing no releases from the tanks occurred. MECC has been informed that the owner submitted documentation showing the (3) USTs were removed and soil sample analyses indicated that no releases had occurred. In response to the submission the agency changed the status of these tanks to "closed." As far as the administratively closed tank, a tank had been registered with DEC in anticipation of its installation. The tank was never installed yet remained as active on the database. The owner has submitted a request that the tank be removed from the database explaining the circumstances and DEC officials accepted the explanation and administratively closed the tank. Without submission of accepted documentation, the DEC will not change the status of tanks from active to closed on its database.

Aboveground Storage Tanks (ASTs)

Our database review indicated five (5) Aboveground Storage Tanks (ASTs) registered to Petroleum Tank Cleaners (236 Butler Street).

**7,000-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 005
Tank Status: In Service
Expiration Date: 10/06/17**

**1,080-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 006
Tank Status: Closed-Removed
Date Tank Closed: 05/10/15**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 007
Tank Status: Closed-Removed
Date Tank Closed: 02/12/15**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 008
Tank Status: In Service
Expiration Date: 10/06/17**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 009
Tank Status: In Service
Expiration Date: 10/06/17**

MECC has been informed that a 1,080 gallon aboveground storage tank previously located in the basement and a 275-gallon used oil tank aboveground tank were removed from the site and documentation was submitted and accepted by NYSDEC. DEC officials will not indicated a tank as "closed" without receipt of documentation to this effect. The 7,000 gallon aboveground tank was also closed and removed and an application to change the registration to close this tank was submitted to DEC and is awaiting action.

DATA GAPS

A data gap is a lack of or inability to obtain information required by the ASTM E 1527 standard, despite good faith efforts. Data gaps may result from incompleteness in any of the activities required in this practice, including, but not limited to site reconnaissance and interviews.

No significant data gaps were noted within the historical research conducted by Merritt Environmental Consulting Corp (MECC).

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2) INTRODUCTION

2.1 PURPOSE

The report was prepared by Merritt Environmental Consulting Corp., whose purpose is to provide comprehensive Phase I Environmental Site Assessments (ESA) in accordance with ASTM E1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process.

2.2 SCOPE OF WORK

For the Phase I Environmental Site Assessment (ESA), Merritt Environmental Consulting Corp. performed the following primary tasks:

1. *Physical site inspection by Environmental Professionals (EPs) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.*
2. *Investigations of historical usage of site based upon:*
 - a. *Interview of persons knowledgeable about the sites current and past usage.*
 - b. *Review of historical Sanborn fire insurance maps*
 - c. *Review of USGS geologic and 7.5 Minute Topographical Maps.*
 - d. *Review of aerial photographs*
 - e. *Review of city directories*
3. *Review of the federal and state environmental databases as per ASTM E1527-13 guidelines, as well as a review of pertinent information provided by local government records.*
4. *Visual inspection of site for the presence of electrical transformers that may contain polychlorinated biphenyl (PCBs).*
5. *Visual inspection of water supply, gas supply, garbage disposal practices, storm and sanitary discharge methods.*
6. *Visual inspection for petroleum storage tanks, above and below grade, stored on site.*
7. *Unless provided with a Client/Lender Scope of Work (SOW) prior to inspection, no other items have been included.*

2.3 SIGNIFICANT ASSUMPTIONS

Information and records provided by the client and outside vendors retained by Merritt Environmental Consulting Corp. are assumed to be correct and complete.

2.4 LIMITATIONS AND EXCEPTIONS

The contents of this report are correct to our knowledge and belief. This report and conclusions stated herein are, however, limited to actual knowledge based upon a visual inspection of the Property, the examination of readily available public records concerning the current and prior use of the Property, and interviews with individuals knowledgeable about present and past property uses.

Merritt Environmental Consulting Corp. has performed this Phase I Environmental Site Assessment (ESA) of the Property in accordance with the detailed scope of work in section 2.2.

Merritt Environmental Consulting Corp. cannot guarantee that the “Property” is completely free of hazardous substances or other materials or conditions that could subject the Client to potential liability. The presence or absence of any such condition can only be confirmed through the collection and analysis of soil and groundwater samples, as well as through testing building materials that may contain asbestos or lead paint. This is beyond the scope of the investigation.

Merritt Environmental Consulting Corp. has no interest other than professional in this Assessment and neither its performance, nor compensation for same, is contingent upon the findings and recommendations that are represented herein.

Transfer Property Acts

Many states have enacted property transfer laws that require notification of environmental conditions to a buyer. This ESA is not designed to meet those parameters or determine if a transfer act applies to the subject site

2.5 SPECIAL TERMS AND CONDITIONS

There are no special terms or conditions to the content of the report that are in addition to the scope outlined in Section 2.2.

2.6 RELIANCE

This Phase I Assessment was performed at the client’s request utilizing methods and procedures that are consistent with acceptable professional standards ASTM-E1527-13.

The report has been prepared for the sole use of MECC’s client. No other party may use the report without the written authority of MECC.

3) SITE DESCRIPTION

3.1 LOCATION AND LEGAL DESCRIPTION

The Property address is 233-243 Nevins Street, AKA 236 Butler Street & 233-241 Douglass Street. The legal site address is Block 412, Lots 6 & 1. The site is located in the Boerum Hills section of Brooklyn, New York.

3.2 SITE AND VICINITY GENERAL CHARACTERISTICS

The current site is situated on a plot size 24,000 square feet.

The current structure was built circa 1931.

The weather conditions during our on-site inspection consisted of clear skies. The temperature was approximately 81°.

3.3 CURRENT USE OF THE PROPERTIES

The current use of the Property consists of one (1) commercial unit.

3.4 DESCRIPTIONS OF STRUCTURES, ROADS AND OTHER IMPROVEMENTS

- A.** The Property consists of two (2) 2-story commercial buildings. The site is located on a plot size approximately 24,000 square feet. There is a basement at 236 Butler Street which houses the boiler room as well as other utilities. The basement for 235-243 Nevins Street, AKA 233-241 Douglass Street has been abandoned and filled with concrete.
- B.** The Property is located on the east side of Nevins Street between the corners of Douglass Street and Butler Street.
- C.** The heating system for the Property is located in the basement and is supplied by gas & oil fired boiler and gas fired ceiling hung heating units.

D. STORM AND SANITARY DISCHARGE

On-site sanitary systems such as cesspools /septic tanks are not designed to carry liquids and solids away from the property like municipal sewer systems. They are designed to hold liquids and solids in a constricted structure (septic tank) or leach out into subsurface soils (cesspools). In addition, many on-site sanitary designs include overflow pools to handle the additional liquid /solids when the primary pool reaches capacity. Contaminants have a greater ability to collect in these structures and adversely impact their soils than a municipal sewer system.

FINDINGS

There are no on-site sanitary services such as cesspools or septic tanks located on the Property. The sanitary discharge for these buildings empties into the New York City sewer system located under Nevins Street.

E. WATER SUPPLY

The domestic water is supplied by New York City through aqueducts from upstate reservoirs. There are no private groundwater wells servicing this property.

No testing of the water was conducted under this scope.

F. GARBAGE DISPOSAL

There are currently no active incinerators located on the Property. The garbage to be disposed of is placed in portable cans with covers. These containers are picked up several times per week by private sanitation.

3.5 CURRENT USES OF THE ADJOINING PROPERTIES

ASTM defines adjoining properties as any real property or properties the border of which is contiguous or partially contiguous with that of the Property but for a street, road, or other public thoroughfare separating them.

Contamination originating at adjacent sites has the potential to impact the Property via groundwater flow and vapor encroachment. The current uses of the adjacent properties are as follows:

North	Butler Street /Vacant lot
South	Douglass Street /Thomas Green Playground
East	2-story commercial building (266 Butler Street)
West	Ne vins Street /Recycling Center & Sanitation Repair (234 Butler Street)

The site is located in an industrial area of Brooklyn and several adjacent and nearby properties were industrial /manufacturing in nature over the years.

Should any contamination or Vapor Encroachment/Intrusion Conditions (VEC/VIC) be discovered that is traced back to the adjacent properties, they would need to remediate in accordance with applicable regulations as the responsible party.

4) USER PROVIDED INFORMATION

The “user” is the party seeking to use Practice E1527 to complete an environmental site assessment, a potential purchaser of the property, a potential tenant of property, an owner of property, a lender or property manager. The user has specific obligations for completing a successful application of this practice.

According to the ASTM E1527-13 Standard, in order to qualify for one of the Landowner Liability Protections (LLPs) offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (the “Brownfields Amendments”), the user must provide the following information (if available) to the Environmental Professional. Failure to provide this information could result in a determination that “all appropriate inquiry” is not complete.

A user questionnaire was forwarded to Ms. Arlene Wayne on June 1, 2016. The completed questionnaire has been included in Appendix A.

Reasonably ascertainable recorded land title records and lien records that are filed under federal, tribal, state, or local law should be reviewed to identify environmental liens or activity and use limitations, if any, that are currently recorded against the property. Environmental liens and activity and use limitations that are imposed by judicial authorities may be recorded or filed in judicial records, and, where applicable, such records should be reviewed.

4.1 TITLE RECORDS

Recorded land title records are records of historical fee ownership which may include leases, land contracts and Activity and Use Limitations (AULs) on or of the Property recorded in a place where land title records are, by law or custom, recorded for the local jurisdiction in which the Property is located.

No title records were provided.

4.2 ENVIRONMENTAL LIENS

No information regarding environmental liens and/or Activity and Use Limitations (AULs) has been provided to MECC by the user.

MECC has retained Environmental Data Resources (EDR) to conduct an Environmental Lien Search on the site. No environmental liens were indicated (See Appendix A).

4.3 SPECIALIZED KNOWLEDGE

Users must take into account their specialized knowledge to identify conditions indicative of releases or threatened releases. If the user has any specialized knowledge or experience that is material to Recognized Environmental Conditions (RECs) in connection with the property, the user should communicate any information based on such knowledge or experience.

No information regarding specialized knowledge was provided.

4.4 COMMONLY KNOWN OR REASONABLY ASCERTAINABLE INFORMATION

As per the ASTM E1527-13 standard, commonly known or reasonably ascertainable information within the local community about the Property must be taken into account by the user. If the user is aware of any such information about the Property, that is material to recognized environmental conditions in connection with the Property, the user should communicate this information to the Environmental Professional (MECC).

No commonly known or reasonably ascertainable information regarding the Property has been provided to MECC.

4.5 VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES

In a transaction involving the purchase of commercial real estate the user shall consider the relationship of the purchase price of the property to the fair market value of the property if the property was not affected by hazardous substances or petroleum products. This practice does not require that a real estate appraisal be obtained in order to ascertain fair market value of the property. The user must gather such information to the extent necessary to identify conditions indicative of releases or threatened releases of hazardous substances or petroleum products.

No information regarding the valuation reduction for environmental issues was provided by the user.

4.6 OWNER, PROPERTY MANAGER AND OCCUPANT INFORMATION

The current owner of the site is 236 Butler St Corp.

The current property manager is Mr. Ray Lara.

The current occupant is commercial.

4.8 OTHER/ADDITIONAL INFORMATION PROVIDED

The following additional information was provided:

- Letter regarding order on consent September 25, 2012
- UST Tank Closure Report February 25, 2014
- Closure Report for Underground Storage Tanks October 2014
- Remediation Investigation Report July 6, 2016
- Addendum to PTC Remediation Investigation Report July 20 2016
- Addendum Closure Report for Underground Storage Tanks July 2016
- 236 Butler Street Petroleum Bulk Storage Application
- 241 Douglass Street Petroleum Bulk Storage Application
- 1,080 gallon Tank Closure Petroleum Bulk Storage Application
- Photographs of interior
- 7,000-gallon AST Closure Petroleum Bulk Storage Application
- UST Closure Petroleum Bulk Storage Application
- Used Oil Tank Closure Petroleum Bulk Storage Application
- Tank Closure Petroleum Bulk Storage Application
- NYSDEC Spill Incidents Database Search Details for Spill No. 1112454
- Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE

5) RECORDS REVIEW

5.1 STANDARD ENVIRONMENTAL RECORD SOURCES

The federal government and New York State have compiled database lists of contaminated, potentially hazardous and regulated sites that may impact the subject property. Environmental Data Resources (EDR) has provided this information to Merritt Environmental Consulting Corp. (MECC).

5.1A DATABASE SEARCHES

The following Federal and State databases were provided to Merritt Environmental Consulting Corp. (MECC) on June 13, 2016. MECC has reviewed the following databases, with the corresponding distance.

FINDINGS

The closest 15 sites have been included in Appendix A.

Due to the density of the area, several of the site printouts have been omitted from the report.

FEDERAL

Database	Radius Searched	Last Updated
1. Federal National Priority List	1 Mile	03/07/16
2. Federal Delisted National Priority List	½ Mile	03/07/16
3. Superfund Enterprise Management System	½ Mile	03/07/16
4. Federal SEMS-ARCHIVE	½ Mile	03/07/16
5. Federal RCRA CORRACTS facilities list	½ Mile	12/09/15
6. Federal RCRA TSD facilities list	½ Mile	12/09/15
7. Federal RCRA generators list	Property & Adjacent Sites	12/09/15
8. Federal Institutional/ Engineering Control list	Property	09/10/15
9. Federal ERNS list	Property	03/28/16

National Priority List (NPL) - list compiled by EPA pursuant to CERCLA 42 USC 9605(a)(8)(B) of properties with the highest priority for cleanup pursuant to EPA's Hazard Ranking System.

Findings: 1 site located within a 1-mile radius.

Delisted National Priority List (NPL): National Priority List Deletions: The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Findings: No sites located within a ½ -mile radius.

Superfund Enterprise Management System (SEMS): Hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly known as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Findings: 2 sites located within a ½-mile radius.

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. Based upon available information, the location is not judged to be potential NPL site.

Findings: 1 site located within a ½-mile radius.

Federal RCRA CORRACTS facilities list-CORRACTS: Corrective Action Report. CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Findings: 1 site located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) Treatment Storage Disposal (TSD) facilities - those facilities on which treatment, storage, and/or disposal of hazardous wastes takes place, as defined and regulated by RCRA. Inclusion on the RCRA TSD list does not imply contamination has occurred at the site.

Findings: No sites located within a ½-mile radius.

Resource Conservation Recovery Act (RCRA) generators list - list kept by EPA of those persons or entities that generate hazardous wastes as defined and regulated by RCRA. Inclusion on the RCRA list does not imply contamination has occurred at the site.

Findings: **2 generators listed at property.**

- 1) **Petroleum Tank Cleaners Ltd
236 Butler Street
Brooklyn, New York 11217**

RCRA Non Generator, EPA ID: NYD020585733

Description: Non-Generators do not presently generate hazardous waste

- **Facility is listed in EPA's index system-Facility Index System (FINDS)**
- **Facility is listed in EPA's Enforcement Compliance History Online (ECHO)**

In addition, there are NY Manifest designations for the year 1988 indicating that waste generated on site was transported to an offsite facility for disposal.

- 2) **Tanks to U
233 Nevins Street
Brooklyn, New York 11217**

RCRA Non Generator, EPA ID: NYR000114371

Description: Non-Generators do not presently generate hazardous waste

- **Facility is listed in EPA's index system-Facility Index System (FINDS)**
- **Facility is listed in EPA's Enforcement Compliance History Online (ECHO)**

13 generators listed within a ¼-mile radius.

Federal Engineering and Institutional Controls – properties where engineering controls have been placed to mitigate contaminant migration/and or to reduce the potential of human exposure to contaminants; institutional controls typically consist of property use restrictions as recorded on deed notices.

Findings: Site not listed.

Emergency Response Notification System (ERNS) list - list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. Notification requirements for such releases or spills are codified in 40 CFR Parts 302 & 355.

Findings: Site not listed.

STATE, TRIBAL, AND LOCAL RECORDS

	Database	Radius Searched	Last Updated
1.	State lists of Hazardous Waste Sites	1 Mile	02/17/16
2.	State landfill/solid waste site lists	½ Mile	01/05/16
3.	State leaking tank lists (LTANKS) /State Spills	½ Mile ⅛ Mile	02/17/16 02/17/16
4.	State Voluntary Cleanup Sites	½ Mile	02/17/16
5.	State Brownfield Sites	½ Mile	02/17/16
6.	State registered tanks	¼ Mile	03/29/16
7.	State Institutional/ Engineering control lists	Property & Adjacent Sites	02/17/16
8.	Indian Reservation	1 Mile	12/31/05
9.	Indian LUST	½ Mile	N/A
10.	Indian UST	¼ Mile	N/A
11.	Indian VCP	½ Mile	N/A

State Hazardous Waste Sites (SHWS) - the New York State Department of Environmental Conservation (NYSDEC) lists the contaminated sites throughout the State. This is the state equivalent to the federal National Priority List.

Findings: 3 sites located within a 1-mile radius.

Solid Waste Disposal Site - any place, location, tract of land, area, or premises used for the disposal of solid wastes as defined by state solid waste regulations. The term is synonymous with the term landfill and is also known as a garbage dump, trash dump or by similar terms.

Findings: 8 sites located within a ½-mile radius.

Spill Logs/LTANKS list – New York State Department of Environmental Conservation (NYSDEC) has a computerized list of spills that have occurred as of 1986, including the present status of the sites. In addition, the leaking tank (LTANKS) database was also reviewed for reported incidents in the area.

Findings: 43 LTANKS located within a ½-mile radius.

46 NY Spills located within a 1/8-mile radius.

- **Six (6) NYSDEC Spill events occurred on site:**

- | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Business</p> <p>1) 236 Butler Street
Spill # 1403412
Spill date: 06/30/14
Close date: 07/11/14
Remarks: Spilled product throughout the facility</p> | <p>Business</p> <p>2) 236 Butler Street
Spill # 1216856
Spill date: 03/30/13
Close date: 07/17/13
Remarks: Equipment failure on tank truck</p> |
| <p>Petroleum Tank Cleaners</p> <p>3) 236 Butler Street
Spill # 1403303
Spill date: 05/21/14
Close date: 07/11/14
Remarks: petroleum product was found discharged to soil at several areas of the site</p> | <p>Petroleum Tank Cleaners</p> <p>4) 236 Butler Street
Spill # 1204042
Spill date: 07/24/12
Close date: 07/25/12
Remarks: Housekeeping</p> |

- | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Petroleum Tank Cleaners</p> <p>5) 236 Butler Street
 Spill # 1112454
 Spill date: 11/01/11
 Close date: 08/10/16
 Remarks: petroleum staining was found on the ground around various UST's</p> | <p>Petroleum Tank Cleaners</p> <p>6) 236 Butler Street
 Spill # 0806428
 Spill date: 09/08/08
 Close date: 09/16/08
 Remarks: Drum spill</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

The spills have been closed by the New York State Department of Environmental Conservation (NYSDEC). On June 6, 2016, MECC submitted a Freedom of Information request to the NYSDEC for additional information on the above spill events.

In response to our request, MECC was provided with NYSDEC Spill Report forms for the above spills along with an order of consent for Spill No. 1112454 and a report authored by Petroleum Tank Cleaners dated July 2, 2013 (See Appendix A). In addition, MECC has been provided with several additional reports associated with the subject site.

Spill No. 1112454, was issued by NYSDEC for the presence of an oil sheen in several locations in the yard and at 241 Douglas Street in November 2011. The sheen had been the result of housekeeping issues surrounding the handling of petroleum at the site and vehicles which had leaked small quantities of oil during their operation.

To achieve closure of this spill, Petroleum Tank Cleaners was required to submit a subsurface investigation plan to NYSDEC to confirm that these observations did not in fact result in subsurface contamination at the site. A plan was submitted and approved for implementation. A subsurface investigation was conducted in June 2016 and a report was submitted to DEC. The investigation consisted of taking eight (8) soil borings in the yard at 236 Butler Street and four (4) soil borings at 241 Douglas Street. The eight (8) borings in the yard did not indicate the presence of the presence of petroleum below the surface. Of the four (4) borings taken in 241 Douglas Street all but one did not indicate any subsurface contamination.

A supplemental investigation was conducted in the yard with four (4) additional soil borings in a section that had not been addressed in the original sampling. Results of this supplemental investigation were the same. No odors or staining were observed and analytical results did not indicate the presence of petroleum.

The NYSDEC also required that the one location in the corner of 241 Douglas Street be delineated. Four (4) soil borings were taken 6 feet around the original boring and analyzed. The sample analyses showed that the contamination did not extend beyond the localized area. This localized area will be addressed by removal of a small quantity of soil and replacement with clean fill. Based on the work performed, the NYSDEC granted closure to Spill No. 1112454 on August 10, 2016.

VCP: Voluntary Cleanup Agreements New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Findings: 1 site located within a ½-mile radius.

Brownfields: Brownfields Site List A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Findings: 10 sites located within a ½-mile radius.

State registered tanks - state lists of storage tanks required to be registered under Subtitle I. Section 9002 of RCRA.

Findings: **11 tanks registered to the site.**

**L.C.R. Trucking LLC
241 Douglass Street
Brooklyn, New York**

**10,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 001
Tank Status: In Service
Expiration Date: 03/01/15**

**5,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 002
Tank Status: In Service
Expiration Date: 03/01/15**

**Petroleum Tank Cleaners
236 Butler Street
Brooklyn, New York**

**3,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 001
Tank Status: Closed-Removed
Date Tank Closed: 07/01/13**

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 002
Tank Status: Closed-Removed
Date Tank Closed: 01/08/14

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 003
Tank Status: Closed-Removed
Date Tank Closed: 01/09/14

20,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 004
Tank Status: Administratively Closed

7,000-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 005
Tank Status: In Service
Expiration Date: 10/06/17

1,080-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 006
Tank Status: Closed-Removed
Date Tank Closed: 05/10/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 007
Tank Status: Closed-Removed
Date Tank Closed: 02/12/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 008
Tank Status: In Service
Expiration Date: 10/06/17

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 009
Tank Status: In Service
Expiration Date: 10/06/17

49 registered tank sites located within a 1/4-mile radius.

State Engineering and Institutional Controls: Registry of Engineering Controls Environmental Remediation sites that have engineering controls in place. Registry of Institutional Controls Environmental Remediation sites that have institutional controls in place.

Findings: Neither the site nor any property adjoining the site are listed.

Indian Reservation: Indian Reservations This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Findings: No sites located within a 1-mile radius.

Indian LUST: Leaking Underground Storage Tanks on Indian Land. A listing of leaking underground storage tank locations on Indian Land. MECC has been informed that records regarding this database were not made available to EDR for all EPA Regions, including 2 and 3.

Findings: No sites located within a 1/2-mile radius.

Indian UST: Underground Storage Tanks on Indian Land. A listing of underground storage tank locations on Indian Land. MECC has been informed that records regarding this database were not made available to EDR for all EPA Regions, including 2 and 3.

Findings: No sites located within a 1/4-mile radius.

Indian VCP: Voluntary Cleanup Program on Indian Land. A listing of voluntary cleanup priority sites located on Indian Land. MECC has been informed that records regarding this database were not made available to EDR for all EPA Regions, including 2 and 3.

Findings: No sites located within a 1/2-mile radius.

ADDITIONAL DATABASE RECORDS SEARCHED

Database	Radius Searched	Last Updated
1. EDR Manufactured Gas Plants	1 Mile	N/A
2. EDR US Hist Auto Stations	1/4 Mile	N/A
3. EDR US Hist Cleaners	1/4 Mile	N/A

EDR MGP: EDR Proprietary Manufactured Gas Plants The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Findings: 5 sites located within a 1-mile radius.

EDR Historical Auto Stations- EDR has searched selected national collections of business directories and has collected listings of potential gas station /filling station /service station sites that were available to EDR researchers. EDR's review was limited to those categories that might, in EDR's opinion, include gas station /filling station /service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, etc.

Findings: 11 sites located within a ¼-mile radius.

EDR US Hist Cleaners-EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR Researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion include dry cleaning establishments. The categories reviewed, included, but were not limited to dry cleaners, cleaners, laundry, Laundromat, cleaning /laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Findings: 1 site located within a ¼-mile radius.

ORPHAN SITES

Our database review indicated several sites that cannot be positively plotted (orphan sites). A total of 12 sites were classified as orphans. MECC reviewed the orphan summary and identified no property or incident that may be located in close proximity of the site, or which could adversely affect the environmental integrity of the site. In addition, the site is not identified in the orphan summary.

5.2 ADDITIONAL RESOURCES SEARCHED

MECC has used the following websites to research information on the subject property:

- NYC Housing and Preservation
- NYC Department of Finance
- NYC Department of Buildings
- NYCityMap City-Wide GIS

5.3 PHYSICAL SETTING SOURCES

A. BODIES OF WATER

The nearest body of water to the subject site is the Gowanus Canal, which is approximately 0.2 miles west of the site.

B. GROUND WATER FLOW

Through information provided by EDR, hydrological data involving ground water flow has been obtained. Based on our findings, the hydrological groundwater flows in a westerly direction eventually emptying into the Gowanus Canal.

Groundwater in this area is at a depth of approximately 649 feet.

Drinking water for the five boroughs has been supplied by the New York reservoir system for many years (See Map in Appendix A). Groundwater is not a primary source of drinking water for Brooklyn.

C. ECOLOGICALLY SENSITIVE AREA

Based on information provided by Environmental Data Resources (EDR), no designated wetlands are located in the immediate vicinity of the property.

D. SITE GEOLOGY AND TOPOGRAPHY

Information pertaining to the hydrogeologic setting in the vicinity of the Property was obtained from a review of selected published documents and maps. United States Geological Survey (USGS) 7.5-minute Topographic Maps were used to characterize surface topography, water table elevation and drainage. Subsurface characteristics were obtained from USGS Surficial and Bedrock Geology Maps.

The Property elevation is approximately 649 feet above mean sea level.

Surface topography is hilly with a slight downward slope to the southeast.

The geologic conditions in this area of Brooklyn generally consist of urban soils.

5.4 HISTORICAL USE INFORMATION ON THE PROPERTY

MECC has consulted the following historical sources to develop a history of the previous uses of the Property and surrounding area, in order to help identify the likelihood of past uses having led to Recognized Environmental Conditions (RECs).

In accordance with the ASTM standard, MECC has made an attempt to identify all obvious uses of the property from the present, back to the Property's first developed use, or back to 1940, whichever is earlier. Standard historical sources were available dating back to the year 1886, and the Property's first developed use was as dwellings in the year 1886.

A. Sanborn Fire Insurance maps

Sanborn Fire Insurance maps of the site and immediate area were available for the years 1886, 1904, 1915, 1922, 1928, 1938, 1950, 1969, 1977, 1979, 1980, 1981, 1982, 1986, 1987, 1988, 1991, 1992, 1993, 1995, 1996, 2001, 2002, 2003, 2004, 2005 and 2006. The maps indicate the following information:

1886 Vacant lots /Dwellings
1904 Stone Cutting
1915 Scranton & Lehigh Coal Co.
1922-1928 Site not depicted
1938 Coal Co. Garage /Condensed Milk Co.
1950 Motor Freight Station Commercial building
1969-1987 Commercial /Private Garage /Auto Repair
1988-2006 Similar to current conditions (Commercial /Warehouse)

The Sanborn Map for the year 1938 shows one (1) gasoline tank present at 225-233 Nevins Street and one (1) gasoline tank present at 241 Douglass Street.

The Sanborn Map for the year 1950 shows one (1) gasoline tank present at 235 Nevins Street and one (1) gasoline tank present at 241 Douglass Street.

The Sanborn Maps for the years 1969-1987 shows two (2) gasoline tanks present at the 235-243 Nevins Street portion of the property.

MECC has been informed that the site had four (4) gasoline USTS (550 gallons each), one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks.

Soil samples were taken at the location of 235-243 Nevins Street and showed no evidence of any release of gasoline.

MECC has been provided with an Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE. According to the report, a 3,000-gallon previously closed in place diesel fuel UST was identified to be associated with 241 Douglass Street. Locations of two (2) 550-gallon gasoline USTs that had been removed prior to NYS bulk storage tank regulations went into effect were also identified.

The results indicated all samples were below the soil cleanup objectives with the exception of Benzene in a sample taken from the area of the 3,000-gallon previously closed in place diesel fuel UST. The CP-51 Soil Cleanup Level (SCL) for benzene is 0.06 ppm. The report indicates that benzene was detected in one of the samples 0.0833 ppm, which is slightly above the cleanup level.

MECC has been informed that the location of the one tank at 236 Butler Street was identified and was scheduled to be investigated to confirm that the tank was closed in place and did not result in any subsurface contamination. MECC was informed that a report regarding the 550-gallon tank at this location was going to be forwarded to our office. It is has not yet been received.

B. Aerial Photographs

Aerial Photographs of the site and immediate area were available for the years 1924, 1943, 1951, 1954, 1961, 1966, 1971, 1974, 1980, 1984, 1991, 1995, 2006, 2009 and 2011. The photos indicate the following information:

This section of Brooklyn has been developed with residential and commercial buildings from 1924 through the latest aerial photo available (2011).

C. City Directories

City Directories were ordered for the site (See Appendix A). The search indicated the following:

- 1934 Commonwealth Color & Chemical Co.
- 1940 Van Name Howard dairy prods/ Weissglass Gold Seal Dairy Corp
- 1949-1970 Hydraulic Elevator & Mach Co Inc. /General Elevator Corp.
- 1985-2013 Nassau Tank Cleaners /Petroleum Tank Cleaners /LCR Trucking Corp.

D. Topographic Maps

A topographic map (topo) is a color coded line-and-symbol representation of natural and selected artificial features plotted to a scale. Topos show the shape, elevation, and development of the terrain in precise detail by using contour lines and color coded symbols. The colors of the lines usually indicate similar classes of information. For example, topographic contours (brown); lakes, streams, irrigation ditches, etc. (blue); land grids and important roads (red); secondary roads and trails, railroads, boundaries, etc. (black).

Historical topographic maps are a valuable historical resource for documenting the prior use of a property and its surrounding area.

Topographic Maps of the site and immediate area were available for the years 1897, 1898, 1900, 1947, 1955, 1956, 1967, 1979, 1981, 1995, 2013 and 2014. The maps reveal that the Property is situated in a densely developed urban area.

E. Building Permit Report

MECC has reviewed EDR's Building Permit Report for the subject site (See Appendix A). The report indicated the following:

10/20/14

INSTALL (2) REPLACEMENT 275 GALLON FUEL STORAGE TANKS AS PER PLANS. REMOVE EXISTING FUEL STORAGE TANK. NO CHANGE IN USE, EGRESS OR OCCUPANCY

02/14/11

INSTALL (2) HIGH PRESSURE OIL FIRED BOILERS IN NEW ENCLOSURE AND (2) 275 GALLON FUEL OIL TANKS IN NEW ENCLOSURE.

04/28/06

INSTALL NEW TANK ENCLOSURE (REPLACEMENT) AS SHOWN ON DWGS S-2
INSTALL NEW UNDERPINNING IN EXISTING STORAGE ROOM AS SHOWN ON
DWG S-3

11/12/02

INSTALLATION OF PUMP ENCLOSURE AND WASTE OIL TRANSFER PUMP

07/20/00

TWO 5,000 WASTEWATER STORAGE/OILY WATER SEPARATORS, ONE 20 G.P WASTEWATER PUMP, ONE 250 G.P.M. PROCESS PUMP AND PIPING OIL DETECTION IN CONDENSATE SYSTEM, & ALL APPURTENANT PIPING & FIRE SAFETY SYSTEMS.

07/16/99

TWO 5,000 WASTEWATER STORAGE/OILY WATER SEPARATORS, ONE 20 G.P.M. WASTEWATER PUMP, ONE 250 G.P.M. PROCESS PUMP AND PIPING OIL DETECTION IN CONDENSATE SYSTEM & ALL APPURTENANT PIPING & FIRE SAFETY SYSTEMS.

DATA FAILURES

A data failure is a failure to achieve the historical research objectives. Even after reviewing standard historical sources. Data failure is one type of data gap.

No significant data failures were noted within the historical research conducted by Merritt Environmental Consulting Corp (MECC).

5.5 HISTORICAL USE INFORMATION ON ADJOINING PROPERTIES

The above historical sources were reviewed by Merritt Environmental Consulting Corp. (MECC) for the adjoining properties on the north, south, east & west.

The adjoining properties have historically been commercial /industrial in nature. The site is located in an industrial area of Brooklyn and several adjacent and nearby properties were industrial /manufacturing in nature over the years.

Should any contamination or Vapor Encroachment/Intrusion Conditions (VEC/VIC) be discovered that is traced back to the adjacent properties, they would need to remediate in accordance with applicable regulations as the responsible party.

6) SITE RECONNAISSANCE

6.1 METHODOLOGY AND LIMITING CONDITIONS

On June 2, 2016 a physical site inspection was performed by an Environmental Professional (EP) who traversed the interior and exterior areas of the site by foot, in addition to conducting a review of adjacent areas and their exteriors.

At the time of our inspection, the following areas were accessed by Mr. Donald DiMisa, of our staff: basement areas, boiler room, ground floor, roof top, utilities areas, garage and all accessible exterior areas of the site.

6.2 GENERAL SITE SETTING

East side of Nevins Street
Topography is hilly

6.3 EXTERIOR OBSERVATIONS

No on-site wells, drinking water wells, odors, pools of liquid, sumps, pits, ponds or lagoons, were observed during the site reconnaissance.

During our reconnaissance, a monitoring well was observed on the sidewalk along Butler Street (See Photo Section). The well appears to have been installed as part of remedial investigations conducted at the property. These are discussed in other sections of the report where applicable.

A gasoline vent line was observed on the roof (See Photo Section). The Sanborn Map for the year 1938 shows one (1) gasoline tank present at 225-233 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Map for the year 1950 shows one (1) gasoline tank present at 235 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Maps for the years 1969-1987 shows two (2) gasoline tanks present at the 235-243 Nevins Street portion of the property.

MECC has been informed that the site had four (4) gasoline USTS (550 gallons each), one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks.

Soil samples were taken at the location of 235-243 Nevins Street and showed no evidence of any release of gasoline.

MECC has been provided with an Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE. According to the report, a 3,000-gallon previously closed in place diesel fuel UST was identified to be associated with 241 Douglass Street. Locations of two (2) 550-gallon gasoline USTs that had been removed prior to NYS bulk storage tank regulations went into effect were also identified.

The results indicated all samples were below the soil cleanup objectives with the exception of Benzene in a sample taken from the area of the 3,000-gallon previously closed in place diesel fuel UST. The CP-51 Soil Cleanup Level (SCL) for benzene is 0.06 ppm. The report indicates that benzene was detected in one of the samples 0.0833 ppm, which is slightly above the cleanup level.

MECC has been informed that the location of the one tank at 236 Butler Street was identified and was scheduled to be investigated to confirm that the tank was closed in place and did not result in any subsurface contamination. MECC was informed that a report regarding the 550-gallon tank at this location was going to be forwarded to our office. It is has not yet been received.

6.4 INTERIOR OBSERVATIONS

No on-site wells, drinking water wells, odors, pools of liquid, sumps, pits, ponds or lagoons, were observed during the site reconnaissance.

During our reconnaissance, three (3) 55-gallon drums of anti-freeze and oil were observed on containment pods in the garage. The drums are used in the course of daily business. No staining in the area of the drums was observed.

Floor drains were noted at the time of our inspection of the garage area. No petroleum products, chemicals or other hazardous materials were noted in or around the drain areas.

During our reconnaissance, surface oil staining was observed in the garage in the area of the work trucks. MECC has been informed that the trucks were removed and surface staining addressed. MECC has been provided with photograph of this area showing the staining is no longer present.

6.5 UNDERGROUND STORAGE TANKS (UST) AND DRUMS

Each year, thousands of petroleum leaks and spills are reported nationwide. Thousands of others may go unreported mainly because they have not yet been discovered. These leaks can enter the ground, seep into an aquifer and contaminate a water supply. In some places, water wells have been closed down and people have had to vacate their homes. Even small amounts of petroleum in soil or groundwater can be tasted or smelled and can subsequently affect health.

Leaking petroleum storage tanks are a major source of groundwater contamination. Many older tanks are bare steel and were installed underground in the 1950s and 1960s. These tanks have weakened by rust and have a fifty percent chance of developing leaks.

FINDINGS

Gasoline Tanks

During our reconnaissance, a gasoline vent line was observed on the roof (See Photo Section).

The Sanborn Map for the year 1938 shows one (1) gasoline tank present at 225-233 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Map for the year 1950 shows one (1) gasoline tank present at 235 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Maps for the years 1969-1987 shows two (2) gasoline tanks present at the 235-243 Nevins Street portion of the property.

MECC has been informed that the site had four (4) gasoline USTS (550 gallons each) - one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks. Soil samples were taken at the location of 235-243 Nevins Street and showed no evidence of any release of gasoline.

MECC has been provided with an Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE. According to the report, a 3,000-gallon previously closed in place diesel fuel UST was identified to be associated with 241 Douglass Street. Locations of two (2) 550-gallon gasoline USTs that had been removed prior to NYS bulk storage tank regulations went into effect were also identified.

The results indicated all samples were below the soil cleanup objectives with the exception of Benzene in a sample taken from the area of the 3,000-gallon previously closed in place diesel fuel UST. The CP-51 Soil Cleanup Level (SCL) for benzene is 0.06 ppm. The report indicates that benzene was detected in one of the samples 0.0833 ppm, which is slightly above the cleanup level.

MECC has been informed that the location of the one tank at 236 Butler Street was identified and was scheduled to be investigated to confirm that the tank was closed in place and did not result in any subsurface contamination. MECC was informed that a report regarding the 550-gallon tank at this location was going to be forwarded to our office. It is has not yet been received.

Tanks Registered to 241 Douglass Street

Our database review indicated two (2) Underground Storage Tanks (USTs) registered to L.C.R. Trucking LLC (241 Douglass Street).

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 001
Tank Status: In Service
Expiration Date: 03/01/15

5,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 002
Tank Status: In Service
Expiration Date: 03/01/15

The tank registration should be updated and amended to reflect "closed-removed" status.

MECC has been informed that these two (2) tanks were emptied, cleaned and certified gas freed. In order to close these two (2) USTs it was necessary to sample the soil beneath the tanks. Three (3) soil samples were taken beneath the 10,000 gallon UST and two (2) soil samples were taken the 5,000 gallon UST tank. Results of the sample analyses showed there was no evidence of a petroleum release. Petroleum Tank was given permission by the NYSDEC to close the tanks in place and fill with sand which was done in 2015. An application to change the status of the tanks to "closed in place" was submitted to DEC and awaiting action.

Tanks Registered to 236 Butler Street

Our database review also indicated four (4) Underground Storage Tanks (USTs) registered to Petroleum Tank Cleaners (236 Butler Street).

3,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 001
Tank Status: Closed-Removed
Date Tank Closed: 07/01/13

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 002
Tank Status: Closed-Removed
Date Tank Closed: 01/08/14

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 003
Tank Status: Closed-Removed
Date Tank Closed: 01/09/14

20,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 004
Tank Status: Administratively Closed

The Petroleum Bulk Storage database on the DEC website indicates that (3) USTs were closed and (1) was administratively closed. In order for DEC to "close" a tank, documentation must be submitted to DEC and approved to show that tanks were either removed or closed in place and soil sample submitted showing no releases from the tanks occurred. MECC has been informed that the owner submitted documentation showing the (3) USTs were removed and soil sample analyses indicated that no releases had occurred. In response to the submission the agency changed the status of these tanks to "closed." As far as the administratively closed tank, a tank had been registered with DEC in anticipation of its installation. The tank was never installed yet remained as active on the database. The owner has submitted a request that the tank be removed from the database explaining the circumstances and DEC officials accepted the explanation and administratively closed the tank. Without submission of accepted documentation, the DEC will not change the status of tanks from active to closed on its database.

6.6 ABOVEGROUND STORAGE TANKS (AST)

Aboveground Storage Tanks (ASTs) are less susceptible to leaking mainly because they are typically located in basement areas and protected from weather related elements that cause premature failure. In addition, since ASTs are usually visible and accessible they are easier to inspect than buried tank vessels. According to the Part 613 of Title 6 of the New York State Code of Rules and Regulations (NYCRR) tanks in subterranean vaults or basements which cannot be visually inspected are considered underground tanks and must be tested.

FINDINGS

There are two (2) 275-gallon aboveground storage tanks (ASTs) housing number 2 oil located on the building exterior. The integrity of the tanks does not appear compromised and no on site leaks or oil stains were present. It is recommended that the tanks be scraped and coated with a good rust inhibitor paint every 2-3 years to retard corrosion from occurring.

Our database review indicated five (5) Aboveground Storage Tanks (ASTs) registered to Petroleum Tank Cleaners (236 Butler Street).

7,000-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 005
Tank Status: In Service
Expiration Date: 10/06/17

1,080-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 006
Tank Status: Closed-Removed
Date Tank Closed: 05/10/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 007
Tank Status: Closed-Removed
Date Tank Closed: 02/12/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 008
Tank Status: In Service
Expiration Date: 10/06/17

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 009
Tank Status: In Service
Expiration Date: 10/06/17

MECC has been informed that a 1,080 gallon aboveground storage tank previously located in the basement and a 275-gallon used oil tank aboveground tank were removed from the site and documentation was submitted and accepted by NYSDEC. DEC officials will not indicated a tank as "closed" without receipt of documentation to this effect. The 7,000 gallon aboveground tank was also closed and removed and an application to change the registration to close this tank was submitted to DEC and is awaiting action.

6.7 ELECTRICAL TRANSFORMERS (PCBs)

Transformers often contain polychlorinated biphenyl (PCB) Askarel coolant liquid and are generally used in hazardous locations where flammability is of concern. PCB transformers are no longer produced because of EPA's ban on the manufacture of new equipment containing PCBs. However, older equipment does remain in certain areas and may contain PCBs.

As of January, 1979, polychlorinated biphenyls (PCB) and other toxic materials used in fluorescent ballasts were phased out. Any building constructed prior to 1979 may contain PCB in minor quantities and is not considered a major health threat.

Further evaluation goes beyond the scope of a Phase I Environmental Report. Should you need any additional information, a technical engineer may be contacted for assistance.

FINDINGS

No electrical transformers were observed on the property.

As per the Toxic Substance Control Act (TSCA), the transformer owner, i.e. the utility company, is responsible for all transformer maintenance and all spills of PCBs from their transformers.

Fluorescent light fixtures were not inspected for PCB content under the scope of this assessment.

6.8 NATURAL GAS

There is one underground gas main entering the building from Nevins Street. The main is connected to a series of meters. The gas is then distributed throughout the building by branch lines of black iron pipe.

Gas service is provided by Con Edison.

6.9 VAPOR ENCROACHMENT

A Vapor Encroachment Condition (VEC) is defined by ASTM E2600-10 as the presence or likely presence of contaminant of concern (COC) vapors in the subsurface of the Target Property (TP) caused by contaminated soil or groundwater. This can occur at the TP or adjoining properties.

MECC conducted a review of historical resources and regulatory database listings to identify any potential sources of contamination at the subject site that may result in Vapor Encroachment. In addition, MECC has reviewed available information for surrounding properties within the appropriate search distances to identify potential sources of a VEC at the subject site.

This is not intended to meet the criteria of a Vapor Encroachment Screen (VES) as outlined by ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transaction. This is beyond the scope of a Phase I ESA.

FINDINGS:

Based on the Business Environmental Risks discussed in the report, consideration should be given to the potential for a Vapor Encroachment (VEC). A Focused Sub-surface Investigation (FSSI) including groundwater sampling will aide in determining if any sub-surface impacts are present and can better define whether a VEC exists at the site.

Should any contamination or Vapor Encroachment/Intrusion Conditions (VEC/VIC) be discovered that is traced back to the adjacent properties, they would need to remediate in accordance with applicable regulations as the responsible party.

6.10 NON-SCOPE ASTM CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

A. ASBESTOS

Asbestos is the name given to several types of fire resistant mineral fiber found in rocks. These minerals are not easily destroyed or degraded by natural processes. Those minerals that have been used most commonly by the construction industry include chrysotile, actinolite, amosite, anthrophyllite, crocidolite and tremolite.

Because of its superior insulating and tensile ability, asbestos has traditionally been used by the building industry in varied forms. Between 1920 and 1980, blanket-type pipe insulation of ACM was prevalent in commercial and residential dwellings. Furthermore, buildings built or remodeled between 1945 and 1978 were often completed with a friable ACM sprayed or trowelled onto the ceiling or walls.

The EPA has identified over 3,000 products containing asbestos that have been used in building construction since World War II.

Friable asbestos, as defined by the Federal Environmental Protection Agency as any material, which may be pulverized with hand pressure. This material has the potential to release asbestos fibers into the atmosphere and in turn may be hazardous to the building occupants' health.

Non-friable asbestos can be found in materials such as vinyl asbestos floor tiles, exterior asbestos shingles, asbestos roofing felts, etc. Many of these materials are still manufactured today and not considered hazardous unless the material is cut, sawed, or grounded in a manner that might release asbestos fibers into the atmosphere.

ASBESTOS FINDINGS

MECC has not conducted an asbestos evaluation as this item is considered beyond the scope of the ASTM E1527-13 standard. Should the purchaser of the property need this item addressed, they should retain reputable firms to provide this additional service.

B. LEAD BASED PAINT

Lead-based paint (LBP) was used extensively in buildings and structures that were constructed prior to 1978 and can be hazardous when damaged (i.e., chipped, broken, crumbling, pulverized); lead is toxic to humans particularly to children, if ingested, inhaled, or otherwise absorbed. Exposure to lead can cause health problems in children ranging from damage to the brain and nervous system, behavioral and learning problems (such as hyperactivity), slowed growth, hearing problems and headaches. In adults the health problems can range from difficulties during pregnancy, other reproductive problems, high blood pressure, digestive problems, nerve disorders, memory and concentration problems and muscle and joint pain.

Our research indicates the buildings were constructed **prior to 1978**, and lead based paint may be present throughout the buildings.

FINDINGS

MECC has not conducted a lead based paint evaluation as this item is considered beyond the scope of the ASTM E1527-13 standard. Should the purchaser of the property need this issue addressed, they should retain reputable firms to provide this additional service.

Research of the Housing Preservation and Development (HPD) Department records did not reveal any lead based paint violations against the subject site (See Appendix A).

New York City Local Law 101A was enacted on August 1, 2004 and focuses on dwelling units and common areas in buildings built before 1960. Owner occupied cooperatives and condominiums are exempt – but common areas in these buildings are covered under the law. An owner has the obligation to investigate in any apartment in a pre-1960 building occupied by a child seven years of age or under and in common areas for all of the conditions that might create a lead paint hazard. These investigations are required at least once a year.

The owner is required to correct a lead based paint hazard which is defined as “any condition in a dwelling or dwelling unit that causes exposure to lead from lead-contaminated dust, or from lead based paint that is peeling, or from lead based paint that is present on chewable surfaces, deteriorated sub-surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects”.

This Phase I Environmental Site Assessment (ESA) is not designed to make a determination of a building owners compliance with local law 101A.

A lead based paint survey in accordance with The Housing & Urban Development (HUD) guidelines was not conducted under the scope of this assessment.

C. MOLD

Mold contamination has become the cause of rising public concern. Mold not only creates a serious health hazard with a variety of on-going illnesses, infections, and disease- its presence can lower the value of the real estate in question.

Mold is often encountered after flooding, catastrophic damage, or as a result of construction defects or damage to building components which allow moisture to be trapped within a building. Since mold can often be contained beyond visible areas it is difficult to control these potential risks from underneath floors, inside walls, and in HVAC systems without the help of professionals.

FINDINGS

MECC has not conducted a comprehensive Indoor Air Quality (IAQ) or mold evaluation as these items are considered beyond the scope of the ASTM E1527-13 standard. Should the purchaser of the property need these issues addressed, they should retain reputable firms to provide this additional service.

D. RADON

Radon first gained national attention in early 1984, when extremely high levels of indoor radon were found in areas of Connecticut, Pennsylvania, New Jersey, and New York. Radon is a colorless, odorless radioactive gas. Nearly one out of every 15 homes in the U.S. is estimated to have elevated annual average levels of indoor radon. EPA established a Radon Program in 1985 to assist States and homeowners in reducing their risk of lung cancer from indoor radon.

FINDINGS

The New York State Department of Health indicates the average radon level for this area of Brooklyn to be 1.4 picocuries per liter (pCi/L), which is below the EPA action level of 4 pCi/L.

A radon canister was not initiated at the time of our inspection since this is beyond the scope of this assessment.

E. LEAD IN WATER

The U.S. Environmental Protection Agency estimates that drinking water can comprise 20% or more of a person's total exposure to lead. Although lead in drinking water is rarely the single cause of lead poisoning, it can significantly increase a person's total lead exposure. Infants who are fed baby formula or drinks mixed with hot water from the tap are the most vulnerable to lead in drinking water. Lead solder can leach into the water supply. Standing water in the piping system can aid in the leaching process.

The EPA action level for lead in drinking water is 15 parts per billion, (PPB).

A sample with lead levels that equal or exceed 15 PPB is considered to have elevated levels of lead, and it is recommended that response action be taken. This response action may include additional testing, replacement of plumbing components, or an operations and maintenance program.

FINDINGS

No lead water mains were observed in the accessible areas of the Property at the time of our inspection.

7) INTERVIEWS

7.1 INTERVIEW WITH OWNER

During our on-site visit, we interviewed Mr. Ray Lana, who is the building owner.

Copies of the above records of communications are included in Appendices, Section 10.6 (Owners Questionnaire).

7.2 INTERVIEW WITH SITE REPRESENTATIVE

No site representative other than the owner was interviewed.

7.3 INTERVIEWS WITH OCCUPANTS (TENANTS)

No other individuals were interviewed regarding the facility.

7.4 INTERVIEWS WITH LOCAL GOVERNMENT OFFICIALS

Government Agency

We are researching the following state and local agency records for any information of hazardous operations including, past spills, leaks or violations:

- New York State Health Department
- New York City Fire Department

The information received indicated there are no violations or records associated with the subject site (See Appendix A).

“E” Designation

According to a NYCDOB memorandum (12/23/03), “E” designated lots are amendments to the New York City Zoning Maps that may include environmental designations of certain tax lots that have physical or historical evidence of uses related to hazardous materials. Zoning Resolution 11-15 provides that the Department of Buildings may not issue a building permit for work on a tax lot labeled “E”, until the Department of Buildings is provided with a report from the Department of Environmental Protection stating that the environmental requirements for the lot have been met.

On May 26, 2016, MECC researched the NYC Building Department and found that there are no “E” designations associated with the property.

7.5 INTERVIEWS WITH OTHERS

No additional interviews were conducted as part of this assessment.

8) REPORT FINDINGS

Based on our site reconnaissance, database review and historical investigation, no Recognized Environmental Conditions (RECs) were noted.

A Recognized Environmental Condition is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

In addition, no de minimis conditions were noted.

A de minimis condition is one that generally does not present a material risk of harm to public health or the environment and that generally would not be subject of an enforcement action if brought to the attention of appropriate governmental agencies (excluding local asbestos & lead situations).

No Controlled Recognized Environmental Conditions (CRECs) were noted.

A Controlled Recognized Environmental Condition (CREC) is an environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority, with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (e.g., property use restrictions, AULs, institutional controls, or engineering controls).

BUSINESS ENVIRONMENTAL RISK

A risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations.

ITEM

1	MECC has reviewed several reports conducted on the property. Based on the information reviewed, depth to the water table at this property is within 8 feet below ground surface (bgs) making it likely that the bottoms of the larger USTs associated with the property may be in contact with the water table aquifer. Since it is known that a shallow water table exists and because the report(s) contains no groundwater quality data or reference to prior studies that may have investigated groundwater quality, impact on the water table aquifer is possible. If the property is slated for disposition and future redevelopment consideration should be given to reviewing historical groundwater quality data. If no groundwater quality data exists then consideration to obtaining groundwater samples for laboratory analysis to determine VOC content should be given.
2	If the site is to be sold for redevelopment, additional costs will be incurred to (a) remove whatever material was used to fill the tanks that may be impacted by at least residual levels of petroleum; (b) removing the tanks to make way for construction; and (c) possibly encountering soil during excavation that may exhibit a petroleum odor, necessitating special disposal. Furthermore, the reports reviewed by MECC include a discussion of urban fill material which will need to be properly addressed during any redevelopment.
3	The site is located in an industrial area of Brooklyn and several adjacent and nearby properties were industrial /manufacturing in nature over the years. None of the prior reports reviewed by MECC make a determination on whether or not the site may be a source of impact to groundwater quality or if it may be a contributing source of possible existing and area-wide groundwater quality degradation. Should any contamination or Vapor Encroachment/Intrusion Conditions (VEC/VIC) be discovered that is traced back to the adjacent properties, they would need to remediate in accordance with applicable regulations as the responsible party.

NON-SCOPE CONSIDERATIONS

There may be environmental issues or conditions at a property that parties may wish to assess in connection with commercial real estate that are outside the scope of this practice (the non-scope considerations). Some substances may be present on a property in quantities and under conditions that may lead to contamination of the property or of nearby properties but are not included in CERCLA's definition of hazardous substances (42 U.S.C. §9601(14)) or do not otherwise present potential CERCLA liability. In any case, they are beyond the scope of this practice. There may be standards or protocols for assessment of potential hazards and conditions associated with non-scope conditions developed by governmental entities, professional organizations, or other private entities. Asbestos-Containing Building Materials, Lead-Based Paint, and Radon are several non-scope considerations that persons may want to assess in connection with commercial real estate.

MECC has not conducted an asbestos, lead based paint or mold evaluation as these items are considered beyond the scope of the ASTM E1527-13 standard. Should the purchaser of the property need these issues addressed, they should retain reputable firms to provide this additional service.

The following Historical Recognized Environmental Conditions (HRECs) were identified in our database search:

A Historical Recognized Environmental Condition (HREC) is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority, or meets unrestricted use criteria established by a regulatory authority without subjecting the property to any required controls.

NYSDEC SPILL EVENTS

- **Six (6) NYSDEC Spill events occurred on site:**

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1) Business
236 Butler Street
Spill # 1403412
Spill date: 06/30/14
Close date: 07/11/14
Remarks: Spilled product throughout the facility | 2) Business
236 Butler Street
Spill # 1216856
Spill date: 03/30/13
Close date: 07/17/13
Remarks: Equipment failure on tank truck |
| 3) Petroleum Tank Cleaners
236 Butler Street
Spill # 1403303
Spill date: 05/21/14
Close date: 07/11/14
Remarks: petroleum product was found discharged to soil at several areas of the site | 4) Petroleum Tank Cleaners
236 Butler Street
Spill # 1204042
Spill date: 07/24/12
Close date: 07/25/12
Remarks: Housekeeping |
| 5) Petroleum Tank Cleaners
236 Butler Street
Spill # 1112454
Spill date: 11/01/11
Close date: 08/10/16
Remarks: petroleum staining was found on the ground around various UST's | 6) Petroleum Tank Cleaners
236 Butler Street
Spill # 0806428
Spill date: 09/08/08
Close date: 09/16/08
Remarks: Drum spill |

The spills have been closed by the New York State Department of Environmental Conservation (NYSDEC). On June 6, 2016, MECC submitted a Freedom of Information request to the NYSDEC for additional information on the above spill events.

In response to our request, MECC was provided with NYSDEC Spill Report forms for the above spills along with an order of consent for Spill No. 1112454 and a report authored by Petroleum Tank Cleaners dated July 2, 2013 (See Appendix A). In addition, MECC has been provided with several additional reports associated with the subject site.

Spill No. 1112454, was issued by NYSDEC for the presence of an oil sheen in several locations in the yard and at 241 Douglas Street in November 2011. The sheen had been the result of housekeeping issues surrounding the handling of petroleum at the site and vehicles which had leaked small quantities of oil during their operation.

To achieve closure of this spill, Petroleum Tank Cleaners was required to submit a subsurface investigation plan to NYSDEC to confirm that these observations did not in fact result in subsurface contamination at the site. A plan was submitted and approved for implementation. A subsurface investigation was conducted in June 2016 and a report was submitted to DEC. The investigation consisted of taking eight (8) soil borings in the yard at 236 Butler Street and four (4) soil borings at 241 Douglas Street. The eight (8) borings in the yard did not indicate the presence of the presence of petroleum below the surface. Of the four (4) borings taken in 241 Douglas Street all but one did not indicate any subsurface contamination.

A supplemental investigation was conducted in the yard with four (4) additional soil borings in a section that had not been addressed in the original sampling. Results of this supplemental investigation were the same. No odors or staining were observed and analytical results did not indicate the presence of petroleum.

The NYSDEC also required that the one location in the corner of 241 Douglas Street be delineated. Four (4) soil borings were taken 6 feet around the original boring and analyzed. The sample analyses showed that the contamination did not extend beyond the localized area. This localized area will be addressed by removal of a small quantity of soil and replacement with clean fill. Based on the work performed, the NYSDEC granted closure to Spill No. 1112454 on August 10, 2016.

Gasoline Tanks

During our reconnaissance, a gasoline vent line was observed on the roof (See Photo Section).

The Sanborn Map for the year 1938 shows one (1) gasoline tank present at 225-233 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Map for the year 1950 shows one (1) gasoline tank present at 235 Nevins Street and one (1) gasoline tank present at 241 Douglass Street. The Sanborn Maps for the years 1969-1987 shows two (2) gasoline tanks present at the 235-243 Nevins Street portion of the property.

MECC has been informed that the site had four (4) gasoline USTS (550 gallons each) - one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks.

Soil samples were taken at the location of 235-243 Nevins Street and showed no evidence of any release of gasoline.

MECC has been provided with an Addendum Closure Report for Underground Storage Tanks prepared by Nathan Edeson, PE. According to the report, a 3,000-gallon previously closed in place diesel fuel UST was identified to be associated with 241 Douglass Street. Locations of two (2) 550-gallon gasoline USTs that had been removed prior to NYS bulk storage tank regulations went into effect were also identified.

The results indicated all samples were below the soil cleanup objectives with the exception of Benzene in a sample taken from the area of the 3,000-gallon previously closed in place diesel fuel UST. The CP-51 Soil Cleanup Level (SCL) for benzene is 0.06 ppm. The report indicates that benzene was detected in one of the samples 0.0833 ppm, which is slightly above the cleanup level.

MECC has been informed that the location of the one tank at 236 Butler Street was identified and was scheduled to be investigated to confirm that the tank was closed in place and did not result in any subsurface contamination. MECC was informed that a report regarding the 550-gallon tank at this location was going to be forwarded to our office. It is has not yet been received.

Tanks Registered to 241 Douglass Street

Our database review indicated two (2) Underground Storage Tanks (USTs) registered to L.C.R. Trucking LLC (241 Douglass Street).

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 001
Tank Status: In Service
Expiration Date: 03/01/15

5,000-gallon Underground Storage Tank (UST)
Permit No. 2-612275, Tank No. 002
Tank Status: In Service
Expiration Date: 03/01/15

The tank registration should be updated and amended to reflect "closed-removed" status.

MECC has been informed that these two (2) tanks were emptied, cleaned and certified gas freed. In order to close these two (2) USTs it was necessary to sample the soil beneath the tanks. Three (3) soil samples were taken beneath the 10,000 gallon UST and two (2) soil samples were taken the 5,000 gallon UST tank. Results of the sample analyses showed there was no evidence of a petroleum release. Petroleum Tank was given permission by the NYSDEC to close the tanks in place and fill with sand which was done in 2015. An application to change the status of the tanks to "closed in place" was submitted to DEC and awaiting action.

Tanks Registered to 236 Butler Street

Our database review also indicated four (4) Underground Storage Tanks (USTs) registered to Petroleum Tank Cleaners (236 Butler Street).

**3,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 001
Tank Status: Closed-Removed
Date Tank Closed: 07/01/13**

**10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 002
Tank Status: Closed-Removed
Date Tank Closed: 01/08/14**

**10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 003
Tank Status: Closed-Removed
Date Tank Closed: 01/09/14**

**20,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 004
Tank Status: Administratively Closed**

The Petroleum Bulk Storage database on the DEC website indicates that (3) USTs were closed and (1) was administratively closed. In order for DEC to "close" a tank, documentation must be submitted to DEC and approved to show that tanks were either removed or closed in place and soil sample submitted showing no releases from the tanks occurred. MECC has been informed that the owner submitted documentation showing the (3) USTs were removed and soil sample analyses indicated that no releases had occurred. In response to the submission the agency changed the status of these tanks to "closed." As far as the administratively closed tank, a tank had been registered with DEC in anticipation of its installation. The tank was never installed yet remained as active on the database. The owner has submitted a request that the tank be removed from the database explaining the circumstances and DEC officials accepted the explanation and administratively closed the tank. Without submission of accepted documentation, the DEC will not change the status of tanks from active to closed on its database.

Aboveground Storage Tanks (ASTs)

Our database review indicated five (5) Aboveground Storage Tanks (ASTs) registered to Petroleum Tank Cleaners (236 Butler Street).

**7,000-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 005
Tank Status: In Service
Expiration Date: 10/06/17**

**1,080-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 006
Tank Status: Closed-Removed
Date Tank Closed: 05/10/15**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 007
Tank Status: Closed-Removed
Date Tank Closed: 02/12/15**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 008
Tank Status: In Service
Expiration Date: 10/06/17**

**275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 009
Tank Status: In Service
Expiration Date: 10/06/17**

MECC has been informed that a 1,080 gallon aboveground storage tank previously located in the basement and a 275-gallon used oil tank aboveground tank were removed from the site and documentation was submitted and accepted by NYSDEC. DEC officials will not indicated a tank as "closed" without receipt of documentation to this effect. The 7,000 gallon aboveground tank was also closed and removed and an application to change the registration to close this tank was submitted to DEC and is awaiting action.

9) OPINIONS

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, no Recognized Environmental Conditions (RECs), de minimis conditions or Controlled Recognized Environmental Conditions (CRECs) were identified under the scope of services outlined in Section 2.2.

Based on our site reconnaissance, database review, historical review and interviews with persons familiar with the subject site and adjacent properties, the above Business Environmental Risks were identified under the scope of services outlined in Section 2.2.

The following Historical Recognized Environmental Conditions (HRECs) were identified in our database search:

NYSDEC SPILL EVENTS

- **Six (6) NYSDEC Spill events occurred on site:**

- | | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
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MECC has been informed that the site had four (4) gasoline USTs (550 gallons each) - one (1) at 241 Douglas Street, two (2) at 235-243 Nevins Street (in the same one story building identified as 241 Douglas Street) and one (1) at 236 Butler Street. The gasoline tanks at 241 Douglas Street and 235-243 Nevins Street were previously removed and all that remains is the concrete that surrounded the tanks.

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Permit No. 2-612275, Tank No. 002
Tank Status: In Service
Expiration Date: 03/01/15**

The tank registration should be updated and amended to reflect “closed-removed” status.

MECC has been informed that these two (2) tanks were emptied, cleaned and certified gas freed. In order to close these two (2) USTs it was necessary to sample the soil beneath the tanks. Three (3) soil samples were taken beneath the 10,000 gallon UST and two (2) soil samples were taken the 5,000 gallon UST tank. Results of the sample analyses showed there was no evidence of a petroleum release. Petroleum Tank was given permission by the NYSDEC to close the tanks in place and fill with sand which was done in 2015. An application to change the status of the tanks to "closed in place" was submitted to DEC and awaiting action.

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Date Tank Closed: 07/01/13

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Permit No. 2-399760, Tank No. 002
Tank Status: Closed-Removed
Date Tank Closed: 01/08/14

10,000-gallon Underground Storage Tank (UST)
Permit No. 2-399760, Tank No. 003
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Permit No. 2-399760, Tank No. 006
Tank Status: Closed-Removed
Date Tank Closed: 05/10/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 007
Tank Status: Closed-Removed
Date Tank Closed: 02/12/15

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 008
Tank Status: In Service
Expiration Date: 10/06/17

275-gallon Aboveground Storage Tank (AST)
Permit No. 2-399760, Tank No. 009
Tank Status: In Service
Expiration Date: 10/06/17

MECC has been informed that a 1,080 gallon aboveground storage tank previously located in the basement and a 275-gallon used oil tank aboveground tank were removed from the site and documentation was submitted and accepted by NYSDEC. DEC officials will not indicated a tank as "closed" without receipt of documentation to this effect. The 7,000 gallon aboveground tank was also closed and removed and an application to change the registration to close this tank was submitted to DEC and is awaiting action.

10) CONCLUSION

Merritt Environmental Consulting Corp has performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527 of 233-243 Nevins Street, AKA 236 Butler Street & 233-241 Douglass Street, Brooklyn, New York 11217, the property. Any exceptions to, or deletions from, this practice are described in Section [2.2] of this report.

11) DEVIATIONS

The assessment was performed in accordance with the ASTM 1527-13 Standards as well as the detailed scope of services outlined in section 2.2 of this report.

12) ADDITIONAL SERVICES

No additional services were performed beyond the detailed scope of services in section 2.2.

13) REFERENCES

All references relied upon are located in Appendix A.

14) SIGNATURE OF ENVIRONMENTAL PROFESSIONAL

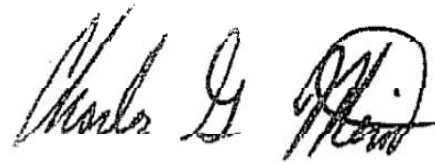
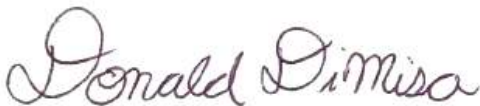
We thank you for allowing Merritt Environmental Consulting Corp., to serve as your Environmental Consultant for this project. We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in §312.10 of 40 CFR 312, and

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. We have developed and performed the "All Appropriate Inquiries" in conformance with the standards and practices set forth in 40 CFR Part 312.

Should you have any questions regarding the contents of this report, please feel free to contact us to discuss the report in further detail.

Site Inspector:

Reviewed by:



Donald DiMisa
Environmental Professional

Charles G. Merritt
Environmental Professional /LEED AP

15) QUALIFICATIONS

See Appendix A



APPENDICES

- Site Photography
- Site Vicinity Map
- Regulatory Records Documentation
- Historical Research Documentation
- Interview Documentation
- Qualifications
- Special Contractual Conditions between User & Environmental Professional (If Applicable)
- Additional Information obtained

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PHASE II SITE INVESTIGATION REPORT

233-239 Nevins Street
Brooklyn, NY 11201

Appendix B
Soil Boring Logs

Equity Environmental Engineering				CLIENT: JBS Management				SB ID: SB-1 / TW-1					
500 International Drive, Suite 150				PROJECT: 2017035				PERMIT #: N/A					
Mount Olive, New Jersey 07828				LOCATION: 233-239 Nevins Street, Brooklyn, NY									
START DATE: 5/30/2017				DRILLING CO.: ADT				TOTAL DEPTH: 15'					
COMPLETION DATE: 5/30/2017				DRILLER: Chris Iodice				WELL DEPTH: 15'					
BORING DIAMETER: 2"				DRILL RIG / METHOD: GeoProbe				CASING ELEVATION: N/A					
WELL DIAMETER: 1"				LOGGED BY: Gene Bove				DEPTH TO WATER: 10'					
SCREENED INTERVAL: 5-15'				WELL TYPE: Temporary Monitoring Point				WATER LEVEL STATIC: N/A					
SCREEN TYPE / SLOT: 10 slot				FILTER PACK: N/A				CASING TYPE: Schedule 40 PVC					
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction				
0	SB-1 (0-1')			0.0				0-1' Fine silty sands with some organics, 10YR 4/3	0			1" Dia PVC	
1				0.0					1				
2		3'	0-5'	0.0					2				
3				0.0				1-5' Medium Sands with wood fragments, low plasticity, brick fragments and debris with gravel, dry	3				
4				0.0					4				
5				0.0					5				
6				0.0					6				
7				0.0					7				
8		5'	5-10'	0.0				5-10' 10 YR 8/1, Medium sand, moist, water at 10'	8				
9				0.0					9				
10	SB-1 (9-10')			0.0			V		10				
11				0.0				10-11' 10 YR 8/1, fine sand, wet	11				
12				0.0					12				
13		5'	10-15'	1500.0				11-15' 2YR 4/2, fine sandy with silt, black staining, petroleum odor	13				
14				112.0					14				
15				215.0					15				
16									16				
17									17				
18									18				
19									19				
20									20				










KEY:

SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen	 Grout	 SP-SM
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	V = Water Level	TOS = Top of Sand	 Bentonite	 SM
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box	 Sand	 SP
					 Screen	 ROCK
						 SW

Page 1 of 1

Equity Environmental Engineering							CLIENT: JBS Management	SB ID: SB-2							
500 International Drive, Suite 150							PROJECT: 2017035	PERMIT #: N/A							
Mount Olive, New Jersey 07828							LOCATION: 233-239 Nevins Street, Brooklyn, NY								
START DATE: 5/30/2017							DRILLING CO.: ADT	TOTAL DEPTH: 10'							
COMPLETION DATE: 5/30/2017							DRILLER: Chris Iodice	WELL DEPTH: N/A							
BORING DIAMETER: 2"							DRILL RIG / METHOD: GeoProbe	CASING ELEVATION: N/A							
WELL DIAMETER: N/A							LOGGED BY: Gene Bove	DEPTH TO WATER: N/A							
SCREENED INTERVAL: N/A							WELL TYPE: N/A	WATER LEVEL STATIC: N/A							
SCREEN TYPE / SLOT: N/A							FILTER PACK: N/A	CASING TYPE: N/A							
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction						
0	SB-2 (1-2')	60"	0-5'	0.0				0-1' Fine silty sands with some organics, 10YR 4/8	0						
1				0.0					1-2' Medium sand with brick fragments, 10YR 3/2	1					
2				0.0						2-5' Medium Sands with gravel, 10YR 5/2	2				
3				0.0							3				
4				0.0							4				
5				0.0					5						
6	SB-5 (9-10')	2.5'	5-10'	0.0				5-10' Medium Sands with petroleum odors, low recovery, 10YR 2/1	6						
7				0.0						7					
8				0.0							8				
9				0.0							9				
10				150.0						V	10				
11									11						
12									12						
13									13						
14									14						
15									15						
16									16						
17									17						
18									18						
19									19						
20									20						

KEY:

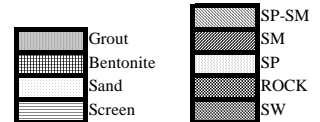
SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen	 Grout	 SP-SM
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	W = Water Level	TOS = Top of Sand	 Bentonite	 SM
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box	 Sand	 SP
					 Screen	 ROCK
						 SW

Page 1 of 1

Equity Environmental Engineering							CLIENT: JBS Management	SB ID: SB-3 / TW-3							
500 International Drive, Suite 150							PROJECT: 2017035	PERMIT #: N/A							
Mount Olive, New Jersey 07828							LOCATION: 233-239 Nevins Street, Brooklyn, NY								
START DATE: 5/31/2017			DRILLING CO.: ADT			TOTAL DEPTH: 15'									
COMPLETION DATE: 5/31/2017			DRILLER: Chris Iodice			WELL DEPTH: 15'									
BORING DIAMETER: 2"			DRILL RIG / METHOD: GeoProbe			CASING ELEVATION: N/A									
WELL DIAMETER: 1"			LOGGED BY: Gene Bove			DEPTH TO WATER: 9'									
SCREENED INTERVAL: 5-15'			WELL TYPE: Temporary Monitoring Point			WATER LEVEL STATIC: N/A									
SCREEN TYPE / SLOT: 10 slot			FILTER PACK: N/A			CASING TYPE: Schedule 40 PVC									
Depth (FL)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction						
0	SB-3 (2-3')	3'	0-5'	0.0				0-1' concrete	0	1" Dia PVC	[Grout]	[Bentonite]	[Sand]	[Screen]	
1				0.0											1
2				6.2											2
3				0.0											3
4				0.0											4
5				0.0				5							
6	SB-3 (8-9)	5'	5-10'	3.7				5-10' Fine Sands with brick fragments 10YR 2/2	6	[Grout]	[Bentonite]	[Sand]	[Screen]	[SW]	
7				6.2											7
8				7.5											8
9															9
10								10							
11	3'	10-15'	10-12'	0.0				Coarse sand, 10YR 3/1	11	[Grout]	[Bentonite]	[Sand]	[Screen]	[SW]	
12				0.0											12
13				0.0											13
14				0.0											14
15				0.0				12-15' Fine sand with silt, 10YR 2/1	15						
16									16						
17									17						
18									18						
19									19						
20									20						

KEY:

SPT = Standard Penetration Test SS = Split Spoon BH = Bore Hole HS = Headspace TOSC = Top of Screen
 CAL = Calibration A = Auger Cuttings GS = Grab Sample \surd = Water Level TOS = Top of Sand
 BZ = Breathing Zone GP = Geoprobe C = Composite TOB = Top of Bentonite CB = Curb Box



Equity Environmental Engineering

500 International Drive, Suite 150

Mount Olive, New Jersey 07828

CLIENT: JBS Management

PROJECT: 2017035

LOCATION: 233-239 Nevins Street, Brooklyn, NY

SB ID: SB-4

PERMIT #: N/A

START DATE: 5/31/2017

DRILLING CO.: ADT

TOTAL DEPTH: 10'

COMPLETION DATE: 5/31/2017

DRILLER: Chris Iodice

WELL DEPTH: N/A

BORING DIAMETER: 2"

DRILL RIG / METHOD: GeoProbe

CASING ELEVATION: N/A

WELL DIAMETER: N/A

LOGGED BY: Gene Bove

DEPTH TO WATER: N/A

SCREENED INTERVAL: N/A

WELL TYPE: N/A

WATER LEVEL STATIC: N/A

SCREEN TYPE / SLOT: N/A

FILTER PACK: N/A

CASING TYPE: N/A

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction	
0	SB-4 (2-3')	3'	0-5'	0.0				0-1' concrete		
1				168.0						
2				387.0					1-3' Medium sand, moist with petroleum odor, 10YR 2/1	
3				285.0						
4				142.0						
5										
6	SB-4 (8-9)	60"	5-10'	140.0						
7				28.0				5-10' Medium Coarse Sands, moist with petroleum odor, 10YR 2/1		
8										
9				136.0					GW at 9'	
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										

KEY:

SPT = Standard Penetration Test

CAL = Calibration

BZ = Breathing Zone

SS = Split Spoon

A = Auger Cuttings

GP = Geoprobe

BH = Bore Hole

GS = Grab Sample

C = Composite

HS = Headspace

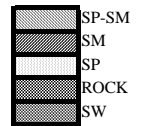
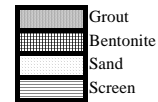
W = Water Level

TOB = Top of Bentonite

TOSC = Top of Screen

TOS = Top of Sand










CB = Curb Box



Equity Environmental Engineering				CLIENT: JBS Management				SB ID: SB-5 / TW-5					
500 International Drive, Suite 150				PROJECT: 2017035				PERMIT #: N/A					
Mount Olive, New Jersey 07828				LOCATION: 233-239 Nevins Street, Brooklyn, NY									
START DATE: 5/31/2017				DRILLING CO.: ADT				TOTAL DEPTH: 15'					
COMPLETION DATE: 5/31/2017				DRILLER: Chris Iodice				WELL DEPTH: 15'					
BORING DIAMETER: 2"				DRILL RIG / METHOD: GeoProbe				CASING ELEVATION: N/A					
WELL DIAMETER: 1"				LOGGED BY: Gene Bove				DEPTH TO WATER: 10'					
SCREENED INTERVAL: 5-15'				WELL TYPE: Temporary Monitoring Point				WATER LEVEL STATIC: N/A					
SCREEN TYPE / SLOT: 10 slot				FILTER PACK: N/A				CASING TYPE: Schedule 40 PVC					
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction				
0	SB-5 (2-3')	3'	0-5'	0.0				0-1' Concrete, low recovery due to concrete	0	1" Dia PVC			
1				0.0			1-2' Coarse sand, stained black with petroleum odors	1					
2				171.0				2					
3				181.0			2-5' Medium Sands with petroleum odor, 10YR 2/1	3					
4				92.7				4					
5				0.0					5				
6	SB-5 (9-10')	4"	5-10'					5-10' Medium Sands with petroleum odors, low recovery, 10YR 2/1	6				
7									7				
8				196.0					8				
9									9				
10									10				
11								10-15' Coarse sand 10YR 2/1, petroleum odor	11				
12			161.0			12							
13	2.5'	10-15'	98.0			13							
14			68.0			14							
15			51.0			15							
16									16				
17									17				
18									18				
19									19				
20									20				

KEY:

SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	W = Water Level	TOS = Top of Sand
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box

	Grout		SP-SM
	Bentonite		SM
	Sand		SP
	Screen		ROCK
			SW

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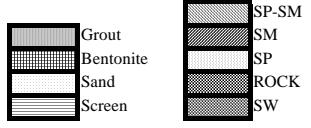
Equity Environmental Engineering							CLIENT: JBS Managemnet	SB/WELL ID: SB-6										
500 International Drive, Suite 150							PROJECT: 2017035	PERMIT #: N/A										
Mount Olive, New Jersey 07828							LOCATION: 233-239 Nevins Street, Brooklyn, NY											
START DATE: 6/27/2017							DRILLING CO.: ADT	TOTAL DEPTH: 10'										
COMPLETION DAT 6/27/2017							DRILLER: Rob Allegreza	WELL DEPTH: N/A										
BORING DIAMETE 2"							DRILL RIG / METHOD: Geoprobe	CASING ELEVATION: N/A										
WELL DIAMETER: N/A							LOGGED BY: John Vrabel	DEPTH TO WATER: N/A										
SCREENED INTER\ N/A							WELL TYPE: N/A	WATER LEVEL STATIC: N/A										
SCREEN TYPE / SL\ N/A							FILTER PACK: N/A	CASING TYPE: N/A										
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction									
0	SB-6 (0-2)	2'	0-5'	9.8				0-1' - dark brown medium silt, some organic material	0									
1																		
2														1-5' - Dark broen medium sand, 10% cobble and gravel	2			
3															3			
4															4			
5	SB-6 (7-8)	3'	5-10'	13.8					5									
6																		
7														5-10' - Dark gray medium sand, 20% gravel and cobble, strong petroleum odor from 9-10'	7			
8														15.1	8			
9														20.2	9			
10								Ground water at 9'	10									
11									11									
12									12									
13									13									
14									14									
15									15									
16									16									
17									17									
18									18									
19									19									
20									20									

KEY:

SPT = Standard Penetration Test SS = Split Spoon BH = Bore Hole HS = Headspace TOSC = Top of Screen

CAL = Calibration A = Auger Cuttings GS = Grab Sample \surd = Water Level TOS = Top of Sand

BZ = Breathing Zone GP = Geoprobe C = Composite TOB = Top of Bentonite CB = Curb Box



Equity Environmental Engineering

500 International Drive, Suite 150

Mount Olive, New Jersey 07828

CLIENT: **JBS Managemnet**

PROJECT: **2017035**

LOCATION: **233-239 Nevins Street, Brooklyn, NY**

SB/WELL ID: **SB-7**

PERMIT #: **N/A**

START DATE: **6/27/2017**

DRILLING CO.: **ADT**

TOTAL DEPTH: **10'**

COMPLETION DAT **6/27/2017**

DRILLER: **Rob Allegreza**

WELL DEPTH: **N/A**

BORING DIAMETE| **2"**

DRILL RIG / METHOD: **Geoprobe**

CASING ELEVATION: **N/A**

WELL DIAMETER: **N/A**

LOGGED BY: **John Vrabel**

DEPTH TO WATER: **N/A**

SCREENED INTER\ **N/A**

WELL TYPE: **N/A**

WATER LEVEL STATIC: **N/A**

SCREEN TYPE / SL\ **N/A**

FILTER PACK: **N/A**

CASING TYPE: **N/A**

Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction					
0	SB-7 (0-2)	3'	0-5'	6.2				0-1' - Concrete	0					
1				8.6					1-5' - Dark gray coarse sand, 20% cobble and gravel	1				
2				9.1						2				
3											3			
4											4			
5									5					
6	SB-7 (7-8)	3'	5-10'	13.8				5-10' - Dark gray coarse sand, strong petroleum odor, some patches of reddish brown silt	6					
7				15.1						7				
8				20.2					Ground water at 9'	8				
9										9				
10									10					
11									11					
12									12					
13									13					
14									14					
15									15					
16									16					
17									17					
18									18					
19									19					
20									20					

KEY:

SPT = Standard Penetration Test

SS = Split Spoon

BH = Bore Hole

HS = Headspace

TOSC = Top of Screen

CAL = Calibration

A = Auger Cuttings

GS = Grab Sample

∇ = Water Level

TOS = Top of Sand

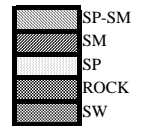
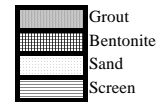
BZ = Breathing Zone

GP = Geoprobe

C = Composite










TOB = Top of Bentonite

CB = Curb Box












Equity Environmental Engineering							CLIENT: JBS Managemnet			SB/WELL ID: SB-8				
500 International Drive, Suite 150							PROJECT: 2017035			PERMIT #: N/A				
Mount Olive, New Jersey 07828							LOCATION: 233-239 Nevins Street, Brooklyn, NY							
START DATE: 6/27/2017							DRILLING CO.: ADT			TOTAL DEPTH: 10'				
COMPLETION DAT 6/27/2017							DRILLER: Rob Allegreza			WELL DEPTH: N/A				
BORING DIAMETEI 2"							DRILL RIG / METHOD: Geoprobe			CASING ELEVATION: N/A				
WELL DIAMETER: N/A							LOGGED BY: John Vrabel			DEPTH TO WATER: N/A				
SCREENED INTERV N/A							WELL TYPE: N/A			WATER LEVEL STATIC: N/A				
SCREEN TYPE / SLI N/A							FILTER PACK: N/A			CASING TYPE: N/A				
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction					
0				9.1				0-1' - Concrete						
1	SB-8 (0-2)	4'	0-5'	89.3				1-3' - Black coarse sand, coal present, shiny fragments present, wood debris, strong petro odor						
2				330.0										
3				279.0						3-5' - Reddish Brown medium sand, 10% cobble and gravel, strong petroleum odor				
4				188.0										
5														
6	SB-8 (5-6)	4'	5-10'	191.0				5-10' - Black / dark gray coarse sand, strong petroleum odor, some brick fragment present Ground water at 7'						
7				126.0										
8				492.0										
9				521.0										
10				36.8										
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														

KEY:

SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen	 Grout	 SP-SM
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	W = Water Level	TOS = Top of Sand	 Bentonite	 SM
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box	 Sand	 SP
					 Screen	 ROCK
						 SW

Equity Environmental Engineering							CLIENT: JBS Managemnet			SB/WELL ID: SB-9 / TW-9			
500 International Drive, Suite 150							PROJECT: 2017035			PERMIT #: N/A			
Mount Olive, New Jersey 07828							LOCATION: 233-239 Nevins Street, Brooklyn, NY						
START DATE: 6/27/2017							DRILLING CO.: ADT			TOTAL DEPTH: 15'			
COMPLETION DAT 6/27/2017							DRILLER: Rob Allegreza			WELL DEPTH: 15'			
BORING DIAMETE 2"							DRILL RIG / METHOD: Geoprobe			CASING ELEVATION: 3'			
WELL DIAMETER: 1"							LOGGED BY: John Vrabel			DEPTH TO WATER: 5'			
SCREENED INTERV 5-15'							WELL TYPE: Temporary Well			WATER LEVEL STATIC: 4.90'			
SCREEN TYPE / SLOT: 2" diameter PVC/ 010 Slot							FILTER PACK: N/A			CASING TYPE: 1" diameter SCH40 PVC			
Depth (Ft.)	Sample ID	Recovery (in.)	Interval (Ft.)	PID (ppm)	Reading At	Sample Type	H2O	Lithology / Remarks	Boring/Well Construction				
0								0-1' - Concrete	0			1" Dia PVC	
1	SB-9 (0-2)			26.2				1-5' - Black / reddish brown / dark brown coarse sand, red mottling at 5' 20% cobble and gravel	1				
2		3'	0-5'	17.1					2				
3				10.3					3				
4								5-10' - Dark brown coarse sand, petroleum odor, 20% cobble and gravel	4				
5									5				
6									6				
7				139.0				Ground water at 9', (GW at 5' when gauging well)	7				
8	SB-9 (8-9)	2'	5-10'	92.0					8				
9									9				
10								10-15' - Wet, coarse dak brown sand, petroleum odor throughout, 20% cobble and gravel	10				
11				339.0					11				
12				236.0					12				
13		3'	10-15'	401.0					13				
14				90.1					14				
15									15				
16									16				
17									17				
18									18				
19									19				
20									20				

KEY:

SPT = Standard Penetration Test	SS = Split Spoon	BH = Bore Hole	HS = Headspace	TOSC = Top of Screen	 Grout	 SP-SM
CAL = Calibration	A = Auger Cuttings	GS = Grab Sample	W = Water Level	TOS = Top of Sand	 Bentonite	 SM
BZ = Breathing Zone	GP = Geoprobe	C = Composite	TOB = Top of Bentonite	CB = Curb Box	 Sand	 SP
					 Screen	 ROCK
						 SW

Page 1 of 1

PHASE II SITE INVESTIGATION REPORT

233-239 Nevins Street

Brooklyn, NY 11201

Appendix C
Analytical Data

Technical Report for

Equity Environmental Engineering

233-239 Nevins Street, Brooklyn, NY

2017035

SGS Accutest Job Number: JC44350

Sampling Dates: 05/30/17 - 05/31/17



Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: 194



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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1

2

3

4

5



Sample Summary

Equity Environmental Engineering

Job No: JC44350

233-239 Nevins Street, Brooklyn, NY

Project No: 2017035

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC44350-1	05/30/17	09:30 JV/GB	05/31/17	SO	Soil	SB-1 (0-1)
JC44350-2	05/30/17	09:40 JV/GB	05/31/17	SO	Soil	SB-1 (9-10)
JC44350-3	05/30/17	10:20 JV/GB	05/31/17	SO	Soil	SB-2 (1-2)
JC44350-4	05/30/17	10:25 JV/GB	05/31/17	SO	Soil	SB-2 (9-10)
JC44350-5	05/31/17	09:45 JV/GB	05/31/17	SO	Soil	SB-3 (2-3)
JC44350-6	05/31/17	10:00 JV/GB	05/31/17	SO	Soil	SB-3 (8-9)
JC44350-7	05/31/17	09:50 JV/GB	05/31/17	SO	Soil	SB-3D (2-3)
JC44350-8	05/31/17	09:25 JV/GB	05/31/17	SO	Soil	SB-4 (2-3)
JC44350-9	05/31/17	09:35 JV/GB	05/31/17	SO	Soil	SB-4 (8-9)
JC44350-10	05/31/17	09:05 JV/GB	05/31/17	SO	Soil	SB-5 (2-3)
JC44350-11	05/31/17	09:10 JV/GB	05/31/17	SO	Soil	SB-5 (9-10)
JC44350-12	05/30/17	10:45 JV/GB	05/31/17	AQ	Ground Water	TW-1
JC44350-12F	05/30/17	10:45 JV/GB	05/31/17	AQ	Groundwater Filtered	TW-1

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary

(continued)

Equity Environmental Engineering

Job No: JC44350

233-239 Nevins Street, Brooklyn, NY

Project No: 2017035

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC44350-13	05/31/17	11:00 JV/GB	05/31/17	AQ	Ground Water	TW-3
JC44350-13F	05/31/17	11:00 JV/GB	05/31/17	AQ	Groundwater Filtered	TW-3
JC44350-14	05/31/17	10:00 JV/GB	05/31/17	AQ	Ground Water	TW-5
JC44350-14F	05/31/17	10:00 JV/GB	05/31/17	AQ	Groundwater Filtered	TW-5
JC44350-15	05/31/17	10:05 JV/GB	05/31/17	AQ	Ground Water	TW-5D
JC44350-15F	05/31/17	10:05 JV/GB	05/31/17	AQ	Groundwater Filtered	TW-5D
JC44350-16	05/31/17	10:40 JV/GB	05/31/17	AQ	Field Blank Water	FB-1
JC44350-17	05/31/17	10:50 JV/GB	05/31/17	AQ	Field Blank Water	FB-2
JC44350-18	05/31/17	11:00 JV/GB	05/31/17	AQ	Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Equity Environmental Engineering

Job No JC44350

Site: 233-239 Nevins Street, Brooklyn, NY

Report Date 6/22/2017 3:32:21 PM

On 05/31/2017, 15 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 4.6 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of JC44350 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V3B6118

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44222-1MS, JC44222-1MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** V3B6121

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC44591-2MS, JC44591-2MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 1,2,3-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromochloromethane, Bromoform are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 1,2,3-Trichlorobenzene, 1,2-Dichlorobenzene, 1,2-Dichloropropane, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Bromochloromethane, Bromoform are outside control limits. Outside control limits due to matrix interference.

Matrix: SO **Batch ID:** V3V1423

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC44350-2MS, JC44350-1DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Acetone, Benzene, Toluene are outside control limits for sample JC44350-1DUP. Outside control limits due to sample non-homogeneity.

Matrix: SO **Batch ID:** V3V1430

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC44365-1MS, JC44365-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- RPD(s) for Duplicate for Ethylbenzene, m,p-Xylene, Methylene chloride, Xylene (total) are outside control limits for sample JC44365-2DUP. High RPD due to possible sample nonhomogeneity.

Matrix: SO **Batch ID:** VE10556

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC44350-4MS, JC44350-4MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for Carbon disulfide are outside control limits. High percent recoveries and no associated positive reported in the samples.
- Matrix Spike Duplicate Recovery(s) for Acetone, Chloromethane, Vinyl chloride are outside control limits. Outside control limits due to matrix interference.
- JC44350-10: Dilution required due to matrix interference.

Volatiles by GCMS By Method SW846 8260C

Matrix: SO

Batch ID: VE10556

- JC44350-6: Dilution required due to matrix interference.
- JC44350-9: Dilution required due to matrix interference.
- JC44350-8: Diluted due to high concentration of non-target compound.
- JC44350-11: Dilution required due to matrix interference.
- JC44350-4: Dilution required due to matrix interference.
- JC44350-11 for Carbon disulfide: This compound in BS is outside in house QC limits bias high.
- JC44350-6 for Carbon disulfide: This compound in BS is outside in house QC limits bias high.
- JC44350-10 for Carbon disulfide: This compound in BS is outside in house QC limits bias high.

Matrix: SO

Batch ID: VY7478

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC44411-1DUP, JC44411-2MS were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Blank Spike Recovery(s) for 1,2-Dichloropropane, Chloroethane are outside control limits. High percent recoveries and no associated positive reported in the samples.
- JC44350-3 for 1,2-Dichloropropane: This compound in BS is outside in house QC limits bias high.
- JC44350-3 for Chloroethane: This compound in BS is outside in house QC limits bias high.

Extractables by GCMS By Method SW846 8270D

Matrix: AQ

Batch ID: OP3388

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44280-1MS, JC44280-1MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for Butyl benzyl phthalate are outside control limits. Outside of in house control limits.
- Blank Spike Recovery(s) for bis(2-Chloroethoxy)methane, Dimethyl phthalate are outside control limits. Outside of in house control limits, but within reasonable method recovery limits.
- Matrix Spike Recovery(s) for Butyl benzyl phthalate are outside control limits. Outside of in house control limits.
- Matrix Spike Duplicate Recovery(s) for Butyl benzyl phthalate are outside control limits. Outside of in house control limits.
- JC44350-12 for Butyl benzyl phthalate: This compound in BS is outside in house QC limits bias high.

Matrix: AQ

Batch ID: OP3396

- All samples were extracted within the recommended method holding time.
- Sample(s) JC44350-13MS, JC44350-13MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for 3,3'-Dichlorobenzidine, Butyl benzyl phthalate, N-Nitrosodiphenylamine are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 3,3'-Dichlorobenzidine, Butyl benzyl phthalate, N-Nitrosodiphenylamine are outside control limits. Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP3408

- All samples were extracted within the recommended method holding time.
- Sample(s) JC44350-1MS, JC44350-1MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Duplicate Recovery(s) for Fluoranthene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Hexachlorocyclopentadiene are outside control limits for sample OP3408-MSD. Analytical precision exceeds in-house control limits.

Matrix: SO

Batch ID: OP3418

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44350-5MS, JC44350-5MSD were used as the QC samples indicated.
- Blank Spike Recovery(s) for bis(2-Chloroisopropyl)ether are outside control limits. High percent recoveries and no associated positive found in the QC batch.
- Matrix Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Fluoranthene, Pyrene are outside control limits. Outside control limits due to high level in sample relative to spike amount.
- RPD(s) for MSD for 2,4-Dinitrophenol, Hexachlorocyclopentadiene are outside control limits for sample OP3418-MSD. Analytical precision exceeds in-house control limits.
- JC44350-6 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.
- JC44350-7 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.
- JC44350-8 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JC44350-11 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.
- JC44350-10 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.
- JC44350-9 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.

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Extractables by GCMS By Method SW846 8270D

Matrix: SO

Batch ID: OP3418

- JC44350-9 for Nitrobenzene-d5: Outside control limits due to matrix interference.
- JC44350-8 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.
- JC44350-5 for bis(2-Chloroisopropyl)ether: This compound in BS is outside in house QC limits bias high.

Matrix: SO

Batch ID: OP3685

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45100-2MS, JC45100-2MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for Hexachlorocyclopentadiene are outside control limits for sample OP3685-MSD. Analytical precision exceeds in-house control limits.
- limits.

Extractables by GC By Method SW846 8081B

Matrix: AQ

Batch ID: OP3402

- All samples were extracted within the recommended method holding time.
- Sample(s) JC44350-13MS, JC44350-13MSD, OP3402-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for alpha-BHC, Endrin are outside control limits. Outside the QC limits.
- Matrix Spike Duplicate Recovery(s) for Endrin, alpha-BHC are outside control limits. Outside the QC limits.
- RPD(s) for MSD for alpha-BHC are outside control limits for sample OP3402-MSD. Outside the QC limits.
- JC44350-13 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-12 for Methoxychlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-12 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.

Matrix: SO

Batch ID: OP3424

- All samples were extracted within the recommended method holding time.
- Sample(s) JC44350-3MS, JC44350-3MSD, OP3424-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for alpha-Chlordane, gamma-Chlordane are outside control limits. Outside the QC limits.
- RPD(s) for MSD for 4,4'-DDT, alpha-Chlordane, Dieldrin, Endrin aldehyde, gamma-Chlordane, Heptachlor are outside control limits for sample OP3424-MSD. Outside the QC limits.
- JC44350-1: Confirmation run.
- JC44350-3 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-11 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- JC44350-3 for Heptachlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-1 for Heptachlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-1 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-1 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-8 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-8 for Endosulfan-I: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-10 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-7 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-7 for gamma-BHC (Lindane): More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-4 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- JC44350-4 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-4 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-1 for Heptachlor epoxide: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-7 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- JC44350-10 for 4,4'-DDD: More than 40 % RPD for detected concentrations between the two GC columns.
- JC44350-3 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.

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Extractables by GC By Method SW846 8082A

Matrix: AQ

Batch ID: OP3401

- All samples were extracted within the recommended method holding time.
- Sample(s) JC44350-12MS, JC44350-12MSD, OP3401-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Aroclor 1016 are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for Aroclor 1016 are outside control limits. Outside control limits due to matrix interference.
- OP3401-MSD for Tetrachloro-m-xylene: Outside control limits due to matrix interference.

Matrix: SO

Batch ID: OP3423

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44350-1MS, JC44350-1MSD, OP3423-MSMSD were used as the QC samples indicated.
- JC44350-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-7 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC44350-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP1266

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44350-12FMS, JC44350-12FMSD, JC44350-12FSDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Antimony, Arsenic, Cobalt, Copper, Lead, Selenium, Vanadium, Zinc are outside control limits for sample MP1266-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JC44350-13 for Calcium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Nickel: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Potassium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Thallium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Copper: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Potassium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Sodium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Thallium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Vanadium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Cobalt: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Sodium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Vanadium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Beryllium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Nickel: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Antimony: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Antimony: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Beryllium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Arsenic: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Iron: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Copper: Elevated sample detection limit due to difficult sample matrix.

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Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP1266

- JC44350-14 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-13 for Magnesium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Cobalt: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Iron: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Calcium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Magnesium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Antimony: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Beryllium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Sodium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Sodium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Vanadium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Arsenic: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Antimony: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Nickel: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Vanadium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Beryllium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Arsenic: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Magnesium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Iron: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Potassium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Copper: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Cobalt: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Calcium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Magnesium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Calcium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Cobalt: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Copper: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Iron: Elevated sample detection limit due to difficult sample matrix.

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Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP1266

- JC44350-12 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JC44350-14 for Arsenic: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Potassium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-12 for Thallium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Thallium: Elevated sample detection limit due to difficult sample matrix.
- JC44350-15 for Nickel: Elevated sample detection limit due to difficult sample matrix.

Matrix: SO

Batch ID: MP1264

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44350-3SDL, JC44350-3MS, JC44350-3MSD were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Antimony, Magnesium, Manganese are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Antimony, Lead, Zinc, Magnesium are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium, Iron are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Magnesium are outside control limits for sample MP1264-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Silver are outside control limits for sample MP1264-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP1264-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- MP1264-SD1 for Iron: Serial dilution indicates possible matrix interference.
- JC44350-2 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JC44350-2 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JC44350-2 for Selenium: Elevated detection limit due to dilution required for high interfering element.

Metals By Method SW846 7470A

Matrix: AQ

Batch ID: MP1218

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44245-1DUP, JC44245-1MS, JC44245-1MSD were used as the QC samples for metals.
- JC44350-12 for Mercury: Elevated sample detection limit due to difficult sample matrix.

Metals By Method SW846 7471B

Matrix: SO

Batch ID: MP1229

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC44328-4DUP, JC44328-4MSD were used as the QC samples for metals.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Mercury are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

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Wet Chemistry By Method SM2540 G-97

Matrix: SO

Batch ID: GN65016

- The data for SM2540 G-97 meets quality control requirements.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JC44350-1	SB-1 (0-1)					
Acetone		0.0454	0.010	0.0051	mg/kg	SW846 8260C
Toluene		0.00017 J	0.0010	0.00013	mg/kg	SW846 8260C
Acenaphthene		0.214	0.037	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.0524	0.037	0.019	mg/kg	SW846 8270D
Anthracene		0.470	0.037	0.023	mg/kg	SW846 8270D
Benzo(a)anthracene		1.20	0.037	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		1.16	0.037	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.38	0.037	0.016	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.777	0.037	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.521	0.037	0.017	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0252 J	0.074	0.0051	mg/kg	SW846 8270D
Benzaldehyde		0.0232 J	0.19	0.0092	mg/kg	SW846 8270D
Carbazole		0.259	0.074	0.0054	mg/kg	SW846 8270D
Chrysene		1.41	0.037	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.206	0.037	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.163	0.074	0.015	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.0694 J	0.074	0.0087	mg/kg	SW846 8270D
Fluoranthene		2.58	0.037	0.017	mg/kg	SW846 8270D
Fluorene		0.175	0.037	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.816	0.037	0.017	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0619 J	0.074	0.0084	mg/kg	SW846 8270D
Naphthalene		0.103	0.037	0.010	mg/kg	SW846 8270D
Phenanthrene		2.37	0.037	0.012	mg/kg	SW846 8270D
Pyrene		2.38	0.037	0.012	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		9.52 J			mg/kg	
Aldrin		0.0466	0.00075	0.00036	mg/kg	SW846 8081B
gamma-BHC (Lindane) ^a		0.00039 J	0.00075	0.00033	mg/kg	SW846 8081B
alpha-Chlordane ^a		0.0585	0.00075	0.00036	mg/kg	SW846 8081B
gamma-Chlordane		0.0425	0.00075	0.00033	mg/kg	SW846 8081B
Dieldrin		0.0109	0.00075	0.00037	mg/kg	SW846 8081B
4,4'-DDE		0.0300	0.00075	0.00039	mg/kg	SW846 8081B
4,4'-DDT		0.0163	0.00075	0.00045	mg/kg	SW846 8081B
Heptachlor ^a		0.0040	0.00075	0.00037	mg/kg	SW846 8081B
Heptachlor epoxide ^a		0.0014	0.00075	0.00040	mg/kg	SW846 8081B
Aluminum		8760	56		mg/kg	SW846 6010C
Arsenic		5.1	2.2		mg/kg	SW846 6010C
Barium		76.9	22		mg/kg	SW846 6010C
Beryllium		0.40	0.22		mg/kg	SW846 6010C
Calcium		50300	1100		mg/kg	SW846 6010C
Chromium		17.2	1.1		mg/kg	SW846 6010C
Copper		29.7	2.8		mg/kg	SW846 6010C
Iron		12000	56		mg/kg	SW846 6010C
Lead		57.1	2.2		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Magnesium		8350	560		mg/kg	SW846 6010C
Manganese		203	1.7		mg/kg	SW846 6010C
Mercury		0.080	0.035		mg/kg	SW846 7471B
Nickel		14.1	4.5		mg/kg	SW846 6010C
Potassium		1920	1100		mg/kg	SW846 6010C
Vanadium		26.4	5.6		mg/kg	SW846 6010C
Zinc		68.7	5.6		mg/kg	SW846 6010C

JC44350-2 SB-1 (9-10)

Acetone		0.0141	0.0093	0.0047	mg/kg	SW846 8260C
Ethylbenzene		0.00018 J	0.00093	0.00014	mg/kg	SW846 8260C
Toluene		0.00047 J	0.00093	0.00012	mg/kg	SW846 8260C
m,p-Xylene		0.00022 J	0.00093	0.00020	mg/kg	SW846 8260C
Xylene (total)		0.00022 J	0.00093	0.00019	mg/kg	SW846 8260C
Caprolactam		0.0142 J	0.072	0.014	mg/kg	SW846 8270D
Naphthalene		0.0265 J	0.036	0.010	mg/kg	SW846 8270D
Aluminum		299	57		mg/kg	SW846 6010C
Calcium		325000	14000		mg/kg	SW846 6010C
Chromium		4.7	1.1		mg/kg	SW846 6010C
Copper		4.0	2.8		mg/kg	SW846 6010C
Iron		1450	57		mg/kg	SW846 6010C
Lead		3.3	2.3		mg/kg	SW846 6010C
Magnesium		2020	570		mg/kg	SW846 6010C
Manganese		66.3	1.7		mg/kg	SW846 6010C
Zinc		12.4	5.7		mg/kg	SW846 6010C

JC44350-3 SB-2 (1-2)

Acetone		0.0333	0.010	0.0052	mg/kg	SW846 8260C
Benzene		0.00037 J	0.00052	0.00012	mg/kg	SW846 8260C
Tetrachloroethene		0.00035 J	0.0021	0.00029	mg/kg	SW846 8260C
Toluene		0.00031 J	0.0010	0.00013	mg/kg	SW846 8260C
Acenaphthene		0.0740	0.037	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.0809	0.037	0.019	mg/kg	SW846 8270D
Anthracene		0.196	0.037	0.023	mg/kg	SW846 8270D
Benzo(a)anthracene		0.554	0.037	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		0.594	0.037	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.694	0.037	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.460	0.037	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.254	0.037	0.017	mg/kg	SW846 8270D
Butyl benzyl phthalate		0.0777	0.075	0.0091	mg/kg	SW846 8270D
Carbazole		0.0694 J	0.075	0.0054	mg/kg	SW846 8270D
Chrysene		0.574	0.037	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.113	0.037	0.017	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Dibenzofuran		0.0428 J	0.075	0.015	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.369	0.075	0.0087	mg/kg	SW846 8270D
Fluoranthene		1.01	0.037	0.017	mg/kg	SW846 8270D
Fluorene		0.0637	0.037	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.468	0.037	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0414 J	0.075	0.0084	mg/kg	SW846 8270D
Naphthalene		0.106	0.037	0.011	mg/kg	SW846 8270D
Phenanthrene		0.643	0.037	0.013	mg/kg	SW846 8270D
Pyrene		1.06	0.037	0.012	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		4.64 J			mg/kg	
Aldrin		0.0014	0.00076	0.00036	mg/kg	SW846 8081B
gamma-BHC (Lindane) ^a		0.00042 J	0.00076	0.00033	mg/kg	SW846 8081B
alpha-Chlordane		0.0326	0.00076	0.00036	mg/kg	SW846 8081B
gamma-Chlordane		0.0256	0.00076	0.00033	mg/kg	SW846 8081B
Dieldrin		0.0066	0.00076	0.00038	mg/kg	SW846 8081B
4,4' -DDD		0.00083	0.00076	0.00049	mg/kg	SW846 8081B
4,4' -DDE		0.0049	0.00076	0.00039	mg/kg	SW846 8081B
4,4' -DDT ^a		0.0138	0.00076	0.00045	mg/kg	SW846 8081B
Heptachlor ^a		0.0061	0.00076	0.00037	mg/kg	SW846 8081B
Heptachlor epoxide		0.0032	0.00076	0.00041	mg/kg	SW846 8081B
Aluminum		7810	56		mg/kg	SW846 6010C
Arsenic		5.4	2.2		mg/kg	SW846 6010C
Barium		79.3	22		mg/kg	SW846 6010C
Beryllium		0.55	0.22		mg/kg	SW846 6010C
Cadmium		1.5	0.56		mg/kg	SW846 6010C
Calcium		36900	1100		mg/kg	SW846 6010C
Chromium		19.1	1.1		mg/kg	SW846 6010C
Cobalt		5.7	5.6		mg/kg	SW846 6010C
Copper		34.7	2.8		mg/kg	SW846 6010C
Iron		14900	56		mg/kg	SW846 6010C
Lead		149	2.2		mg/kg	SW846 6010C
Magnesium		8020	560		mg/kg	SW846 6010C
Manganese		273	1.7		mg/kg	SW846 6010C
Mercury		0.14	0.035		mg/kg	SW846 7471B
Nickel		17.6	4.5		mg/kg	SW846 6010C
Potassium		1120	1100		mg/kg	SW846 6010C
Vanadium		29.0	5.6		mg/kg	SW846 6010C
Zinc		144	5.6		mg/kg	SW846 6010C
JC44350-4 SB-2 (9-10)						
Ethylbenzene ^b		0.194	0.092	0.014	mg/kg	SW846 8260C
Isopropylbenzene ^b		0.134 J	0.18	0.014	mg/kg	SW846 8260C
Methylcyclohexane ^b		0.137 J	0.18	0.046	mg/kg	SW846 8260C
Toluene ^b		0.0494 J	0.092	0.011	mg/kg	SW846 8260C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene ^b		0.254	0.092	0.020	mg/kg	SW846 8260C
o-Xylene ^b		0.203	0.092	0.019	mg/kg	SW846 8260C
Xylene (total) ^b		0.457	0.092	0.019	mg/kg	SW846 8260C
Total TIC, Volatile		68.4 J			mg/kg	
Acenaphthene		0.364	0.038	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.345	0.038	0.019	mg/kg	SW846 8270D
Anthracene		0.543	0.038	0.023	mg/kg	SW846 8270D
Benzo(a)anthracene		1.19	0.038	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		1.31	0.038	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.17	0.038	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.06	0.038	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.424	0.038	0.018	mg/kg	SW846 8270D
1,1'-Biphenyl		0.238	0.076	0.0052	mg/kg	SW846 8270D
Carbazole		0.164	0.076	0.0055	mg/kg	SW846 8270D
Chrysene		1.66	0.038	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.287	0.038	0.017	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.420	0.076	0.0089	mg/kg	SW846 8270D
Fluoranthene		1.97	0.038	0.017	mg/kg	SW846 8270D
Fluorene		0.484	0.038	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.950	0.038	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		1.72	0.076	0.0086	mg/kg	SW846 8270D
Naphthalene		0.789	0.038	0.011	mg/kg	SW846 8270D
Phenanthrene		2.05	0.038	0.013	mg/kg	SW846 8270D
Pyrene		2.26	0.038	0.012	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		40.94 J			mg/kg	
alpha-Chlordane		0.0028	0.00069	0.00033	mg/kg	SW846 8081B
gamma-Chlordane ^a		0.0035	0.00069	0.00031	mg/kg	SW846 8081B
4,4'-DDD ^a		0.0048	0.00069	0.00044	mg/kg	SW846 8081B
4,4'-DDE		0.0088	0.00069	0.00036	mg/kg	SW846 8081B
4,4'-DDT ^c		0.0213	0.00069	0.00041	mg/kg	SW846 8081B
Aluminum		4940	57		mg/kg	SW846 6010C
Arsenic		22.6	2.3		mg/kg	SW846 6010C
Barium		133	23		mg/kg	SW846 6010C
Beryllium		0.35	0.23		mg/kg	SW846 6010C
Cadmium		0.74	0.57		mg/kg	SW846 6010C
Calcium		25000	570		mg/kg	SW846 6010C
Chromium		15.9	1.1		mg/kg	SW846 6010C
Copper		70.7	2.8		mg/kg	SW846 6010C
Iron		13300	57		mg/kg	SW846 6010C
Lead		313	2.3		mg/kg	SW846 6010C
Magnesium		2850	570		mg/kg	SW846 6010C
Manganese		219	1.7		mg/kg	SW846 6010C
Mercury		0.22	0.034		mg/kg	SW846 7471B
Nickel		20.3	4.5		mg/kg	SW846 6010C
Vanadium		19.2	5.7		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Zinc		187	5.7		mg/kg	SW846 6010C
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JC44350-5 SB-3 (2-3)

Acetone	0.0114	0.011	0.0056	mg/kg	SW846 8260C
Benzene	0.00037 J	0.00056	0.00014	mg/kg	SW846 8260C
Chloroform	0.0029	0.0023	0.00027	mg/kg	SW846 8260C
3&4-Methylphenol	0.0436 J	0.067	0.027	mg/kg	SW846 8270D
Acenaphthene	0.410	0.033	0.012	mg/kg	SW846 8270D
Acenaphthylene	0.310	0.033	0.017	mg/kg	SW846 8270D
Anthracene	1.54	0.033	0.020	mg/kg	SW846 8270D
Benzo(a)anthracene	4.35	0.17	0.047	mg/kg	SW846 8270D
Benzo(a)pyrene	4.47	0.17	0.076	mg/kg	SW846 8270D
Benzo(b)fluoranthene	4.93	0.17	0.074	mg/kg	SW846 8270D
Benzo(g,h,i)perylene	3.11	0.033	0.017	mg/kg	SW846 8270D
Benzo(k)fluoranthene	2.23	0.033	0.016	mg/kg	SW846 8270D
1,1'-Biphenyl	0.0463 J	0.067	0.0046	mg/kg	SW846 8270D
Benzaldehyde	0.0187 J	0.17	0.0083	mg/kg	SW846 8270D
Carbazole	0.498	0.067	0.0048	mg/kg	SW846 8270D
Chrysene	4.23	0.17	0.053	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene	0.758	0.033	0.015	mg/kg	SW846 8270D
Dibenzofuran	0.268	0.067	0.014	mg/kg	SW846 8270D
Fluoranthene	9.77	0.17	0.074	mg/kg	SW846 8270D
Fluorene	0.355	0.033	0.015	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	3.33	0.033	0.016	mg/kg	SW846 8270D
2-Methylnaphthalene	0.122	0.067	0.0075	mg/kg	SW846 8270D
Naphthalene	0.271	0.033	0.0094	mg/kg	SW846 8270D
Phenanthrene	6.10	0.17	0.056	mg/kg	SW846 8270D
Pyrene	8.69	0.17	0.053	mg/kg	SW846 8270D
Total TIC, Semi-Volatile	19.99 J			mg/kg	
Aluminum	4250	54		mg/kg	SW846 6010C
Arsenic	9.3	2.2		mg/kg	SW846 6010C
Barium	127	22		mg/kg	SW846 6010C
Beryllium	0.30	0.22		mg/kg	SW846 6010C
Cadmium	0.62	0.54		mg/kg	SW846 6010C
Calcium	54500	1100		mg/kg	SW846 6010C
Chromium	11.4	1.1		mg/kg	SW846 6010C
Copper	66.4	2.7		mg/kg	SW846 6010C
Iron	17000	54		mg/kg	SW846 6010C
Lead	327	2.2		mg/kg	SW846 6010C
Magnesium	2310	540		mg/kg	SW846 6010C
Manganese	222	1.6		mg/kg	SW846 6010C
Mercury	0.22	0.032		mg/kg	SW846 7471B
Nickel	18.6	4.3		mg/kg	SW846 6010C
Vanadium	16.4	5.4		mg/kg	SW846 6010C

Summary of Hits

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Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		343	5.4		mg/kg	SW846 6010C
JC44350-6 SB-3 (8-9)						
Benzene ^b		0.352	0.064	0.015	mg/kg	SW846 8260C
Ethylbenzene ^b		0.211	0.13	0.019	mg/kg	SW846 8260C
Isopropylbenzene ^b		0.0296 J	0.26	0.020	mg/kg	SW846 8260C
Toluene ^b		0.405	0.13	0.016	mg/kg	SW846 8260C
m,p-Xylene ^b		0.500	0.13	0.028	mg/kg	SW846 8260C
o-Xylene ^b		0.0726 J	0.13	0.026	mg/kg	SW846 8260C
Xylene (total) ^b		0.573	0.13	0.026	mg/kg	SW846 8260C
Total TIC, Volatile		72.4 J			mg/kg	
Acenaphthene		1.51	0.040	0.014	mg/kg	SW846 8270D
Acenaphthylene		0.603	0.040	0.020	mg/kg	SW846 8270D
Anthracene		2.61	0.040	0.024	mg/kg	SW846 8270D
Benzo(a)anthracene		3.26	0.040	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		2.97	0.040	0.018	mg/kg	SW846 8270D
Benzo(b)fluoranthene		3.48	0.040	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		2.44	0.040	0.020	mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.14	0.040	0.018	mg/kg	SW846 8270D
1,1'-Biphenyl		0.126	0.079	0.0054	mg/kg	SW846 8270D
Carbazole		0.489	0.079	0.0057	mg/kg	SW846 8270D
Chrysene		3.68	0.040	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.617	0.040	0.017	mg/kg	SW846 8270D
Dibenzofuran		0.342	0.079	0.016	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.306	0.079	0.0093	mg/kg	SW846 8270D
Fluoranthene		6.53	0.20	0.088	mg/kg	SW846 8270D
Fluorene		1.05	0.040	0.018	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		2.49	0.040	0.019	mg/kg	SW846 8270D
2-Methylnaphthalene		1.72	0.079	0.0089	mg/kg	SW846 8270D
Naphthalene		0.823	0.040	0.011	mg/kg	SW846 8270D
Phenanthrene		3.86	0.20	0.067	mg/kg	SW846 8270D
Pyrene		7.10	0.20	0.063	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		37.48 J			mg/kg	
Aluminum		5330	60		mg/kg	SW846 6010C
Arsenic		6.7	2.4		mg/kg	SW846 6010C
Barium		70.6	24		mg/kg	SW846 6010C
Beryllium		0.30	0.24		mg/kg	SW846 6010C
Calcium		105000	3000		mg/kg	SW846 6010C
Chromium		11.1	1.2		mg/kg	SW846 6010C
Copper		23.5	3.0		mg/kg	SW846 6010C
Iron		11800	60		mg/kg	SW846 6010C
Lead		261	2.4		mg/kg	SW846 6010C
Magnesium		2350	600		mg/kg	SW846 6010C
Manganese		303	1.8		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
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Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Mercury		0.74	0.037		mg/kg	SW846 7471B
Nickel		13.9	4.8		mg/kg	SW846 6010C
Vanadium		13.4	6.0		mg/kg	SW846 6010C
Zinc		140	6.0		mg/kg	SW846 6010C

JC44350-7 SB-3D (2-3)

Acetone		0.0192	0.012	0.0060	mg/kg	SW846 8260C
Toluene		0.00022 J	0.0012	0.00015	mg/kg	SW846 8260C
3&4-Methylphenol		0.0718 J	0.072	0.029	mg/kg	SW846 8270D
Phenol		0.0416 J	0.072	0.019	mg/kg	SW846 8270D
Acenaphthene		0.678	0.036	0.012	mg/kg	SW846 8270D
Acenaphthylene		0.639	0.036	0.018	mg/kg	SW846 8270D
Anthracene		2.01	0.036	0.022	mg/kg	SW846 8270D
Benzo(a)anthracene		5.80	0.18	0.051	mg/kg	SW846 8270D
Benzo(a)pyrene		6.35	0.18	0.081	mg/kg	SW846 8270D
Benzo(b)fluoranthene		7.13	0.18	0.079	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.98	0.18	0.089	mg/kg	SW846 8270D
Benzo(k)fluoranthene		2.35	0.036	0.017	mg/kg	SW846 8270D
1, 1'-Biphenyl		0.0689 J	0.072	0.0049	mg/kg	SW846 8270D
Carbazole		0.809	0.072	0.0052	mg/kg	SW846 8270D
Chrysene		5.69	0.18	0.056	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.08	0.036	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.417	0.072	0.015	mg/kg	SW846 8270D
Fluoranthene		13.0	0.18	0.080	mg/kg	SW846 8270D
Fluorene		0.642	0.036	0.016	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		4.19	0.18	0.084	mg/kg	SW846 8270D
2-Methylnaphthalene		0.212	0.072	0.0081	mg/kg	SW846 8270D
Naphthalene		0.463	0.036	0.010	mg/kg	SW846 8270D
Phenanthrene		9.13	0.18	0.060	mg/kg	SW846 8270D
Pyrene		12.2	0.18	0.057	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		28.1 J			mg/kg	
gamma-BHC (Lindane) ^a		0.0021	0.00068	0.00030	mg/kg	SW846 8081B
4,4'-DDT ^c		0.0286	0.00068	0.00040	mg/kg	SW846 8081B
Aluminum		4660	53		mg/kg	SW846 6010C
Arsenic		7.7	2.1		mg/kg	SW846 6010C
Barium		122	21		mg/kg	SW846 6010C
Beryllium		0.29	0.21		mg/kg	SW846 6010C
Cadmium		0.67	0.53		mg/kg	SW846 6010C
Calcium		46900	1100		mg/kg	SW846 6010C
Chromium		12.4	1.1		mg/kg	SW846 6010C
Cobalt		7.8	5.3		mg/kg	SW846 6010C
Copper		31.7	2.7		mg/kg	SW846 6010C
Iron		34200	110		mg/kg	SW846 6010C
Lead		393	2.1		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Magnesium		2810	530		mg/kg	SW846 6010C
Manganese		308	1.6		mg/kg	SW846 6010C
Mercury		0.74	0.035		mg/kg	SW846 7471B
Nickel		26.6	4.3		mg/kg	SW846 6010C
Potassium		1170	1100		mg/kg	SW846 6010C
Vanadium		15.9	5.3		mg/kg	SW846 6010C
Zinc		144	5.3		mg/kg	SW846 6010C

JC44350-8 SB-4 (2-3)

Benzene ^d		0.0682 J	0.077	0.019	mg/kg	SW846 8260C
Cyclohexane ^d		0.160 J	0.31	0.084	mg/kg	SW846 8260C
Ethylbenzene ^d		0.0663 J	0.15	0.023	mg/kg	SW846 8260C
Isopropylbenzene ^d		0.345	0.31	0.024	mg/kg	SW846 8260C
Methylcyclohexane ^d		1.27	0.31	0.078	mg/kg	SW846 8260C
Toluene ^d		0.0470 J	0.15	0.019	mg/kg	SW846 8260C
m,p-Xylene ^d		0.307	0.15	0.034	mg/kg	SW846 8260C
o-Xylene ^d		0.223	0.15	0.031	mg/kg	SW846 8260C
Xylene (total) ^d		0.530	0.15	0.031	mg/kg	SW846 8260C
Total TIC, Volatile		390 J			mg/kg	
Acenaphthene		2.01	0.084	0.029	mg/kg	SW846 8270D
Anthracene		2.03	0.084	0.051	mg/kg	SW846 8270D
Benzo(a)anthracene		1.31	0.042	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		1.05	0.042	0.019	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.13	0.042	0.018	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.429	0.042	0.021	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.433	0.042	0.020	mg/kg	SW846 8270D
1,1'-Biphenyl		0.760	0.084	0.0057	mg/kg	SW846 8270D
Carbazole		0.474	0.17	0.012	mg/kg	SW846 8270D
Chrysene		1.51	0.042	0.013	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.133	0.042	0.018	mg/kg	SW846 8270D
Dibenzofuran		1.42	0.17	0.034	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		1.21	0.084	0.0098	mg/kg	SW846 8270D
Fluoranthene		3.97	0.084	0.037	mg/kg	SW846 8270D
Fluorene		3.87	0.084	0.038	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.473	0.042	0.020	mg/kg	SW846 8270D
2-Methylnaphthalene		14.8	0.84	0.094	mg/kg	SW846 8270D
Naphthalene		2.44	0.084	0.024	mg/kg	SW846 8270D
Phenanthrene		9.95	0.42	0.14	mg/kg	SW846 8270D
Pyrene		3.47	0.042	0.013	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		77.2 J			mg/kg	
4,4'-DDE ^a		0.0014	0.00081	0.00042	mg/kg	SW846 8081B
Endosulfan-I ^a		0.00055 J	0.00081	0.00043	mg/kg	SW846 8081B
Aluminum		9590	66		mg/kg	SW846 6010C
Arsenic		3.4	2.6		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Barium		34.6	26		mg/kg	SW846 6010C
Beryllium		0.60	0.26		mg/kg	SW846 6010C
Calcium		1450	660		mg/kg	SW846 6010C
Chromium		18.6	1.3		mg/kg	SW846 6010C
Cobalt		20.8	6.6		mg/kg	SW846 6010C
Copper		18.7	3.3		mg/kg	SW846 6010C
Iron		13600	66		mg/kg	SW846 6010C
Lead		13.3	2.6		mg/kg	SW846 6010C
Magnesium		3220	660		mg/kg	SW846 6010C
Manganese		129	2.0		mg/kg	SW846 6010C
Nickel		50.2	5.3		mg/kg	SW846 6010C
Vanadium		25.5	6.6		mg/kg	SW846 6010C
Zinc		75.4	6.6		mg/kg	SW846 6010C

JC44350-9 SB-4 (8-9)

Benzene ^b		0.606	0.055	0.013	mg/kg	SW846 8260C
Chlorobenzene ^b		0.0348 J	0.22	0.018	mg/kg	SW846 8260C
Cyclohexane ^b		0.660	0.22	0.061	mg/kg	SW846 8260C
1,2-Dichlorobenzene ^b		0.0667 J	0.11	0.019	mg/kg	SW846 8260C
Ethylbenzene ^b		0.177	0.11	0.017	mg/kg	SW846 8260C
Isopropylbenzene ^b		0.696	0.22	0.017	mg/kg	SW846 8260C
Methyl Acetate ^b		0.239 J	0.55	0.22	mg/kg	SW846 8260C
Methylcyclohexane ^b		3.10	0.22	0.056	mg/kg	SW846 8260C
Toluene ^b		0.0453 J	0.11	0.014	mg/kg	SW846 8260C
m,p-Xylene ^b		0.227	0.11	0.024	mg/kg	SW846 8260C
o-Xylene ^b		0.0578 J	0.11	0.022	mg/kg	SW846 8260C
Xylene (total) ^b		0.285	0.11	0.022	mg/kg	SW846 8260C
Total TIC, Volatile		184.3 J			mg/kg	
3&4-Methylphenol		0.141	0.078	0.032	mg/kg	SW846 8270D
Acenaphthene		2.54	0.078	0.027	mg/kg	SW846 8270D
Anthracene		2.43	0.078	0.048	mg/kg	SW846 8270D
Benzo(a)anthracene		1.97	0.039	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		2.04	0.039	0.018	mg/kg	SW846 8270D
Benzo(b)fluoranthene		2.29	0.039	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.03	0.039	0.020	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.774	0.039	0.018	mg/kg	SW846 8270D
1,1'-Biphenyl		0.311	0.078	0.0054	mg/kg	SW846 8270D
Carbazole		0.632	0.16	0.011	mg/kg	SW846 8270D
Chrysene		2.05	0.039	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.282	0.039	0.017	mg/kg	SW846 8270D
Dibenzofuran		2.65	0.16	0.032	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.166	0.078	0.0091	mg/kg	SW846 8270D
Fluoranthene		4.38	0.078	0.035	mg/kg	SW846 8270D
Fluorene		4.27	0.078	0.036	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene		1.14	0.039	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		10.7	0.39	0.044	mg/kg	SW846 8270D
Naphthalene		2.42	0.078	0.022	mg/kg	SW846 8270D
Phenanthrene		12.8	0.20	0.066	mg/kg	SW846 8270D
Pyrene		3.67	0.039	0.013	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		68.2 J			mg/kg	
Aluminum		5830	57		mg/kg	SW846 6010C
Arsenic		9.4	2.3		mg/kg	SW846 6010C
Barium		178	23		mg/kg	SW846 6010C
Beryllium		0.34	0.23		mg/kg	SW846 6010C
Calcium		3980	570		mg/kg	SW846 6010C
Chromium		19.6	1.1		mg/kg	SW846 6010C
Cobalt		7.5	5.7		mg/kg	SW846 6010C
Copper		28.2	2.8		mg/kg	SW846 6010C
Iron		15500	57		mg/kg	SW846 6010C
Lead		705	2.3		mg/kg	SW846 6010C
Magnesium		2170	570		mg/kg	SW846 6010C
Manganese		128	1.7		mg/kg	SW846 6010C
Mercury		0.77	0.037		mg/kg	SW846 7471B
Nickel		37.9	4.5		mg/kg	SW846 6010C
Potassium		1320	1100		mg/kg	SW846 6010C
Vanadium		17.7	5.7		mg/kg	SW846 6010C
Zinc		250	5.7		mg/kg	SW846 6010C

JC44350-10 SB-5 (2-3)

Benzene ^b		0.0314 J	0.068	0.016	mg/kg	SW846 8260C
Cyclohexane ^b		0.127 J	0.27	0.074	mg/kg	SW846 8260C
1,2-Dichloroethane ^b		0.0763 J	0.14	0.023	mg/kg	SW846 8260C
Ethylbenzene ^b		0.140	0.14	0.020	mg/kg	SW846 8260C
Isopropylbenzene ^b		0.178 J	0.27	0.021	mg/kg	SW846 8260C
Methylcyclohexane ^b		1.15	0.27	0.069	mg/kg	SW846 8260C
Toluene ^b		0.0565 J	0.14	0.017	mg/kg	SW846 8260C
m,p-Xylene ^b		0.259	0.14	0.030	mg/kg	SW846 8260C
o-Xylene ^b		0.0775 J	0.14	0.027	mg/kg	SW846 8260C
Xylene (total) ^b		0.337	0.14	0.027	mg/kg	SW846 8260C
Total TIC, Volatile		123.1 J			mg/kg	
2-Methylphenol		0.0931	0.076	0.024	mg/kg	SW846 8270D
3&4-Methylphenol		0.761	0.076	0.031	mg/kg	SW846 8270D
Phenol		0.237	0.076	0.020	mg/kg	SW846 8270D
Acenaphthene		2.56	0.038	0.013	mg/kg	SW846 8270D
Acenaphthylene		1.16	0.038	0.019	mg/kg	SW846 8270D
Anthracene		2.73	0.076	0.047	mg/kg	SW846 8270D
Benzo(a)anthracene		1.85	0.038	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		1.95	0.038	0.017	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(b)fluoranthene		2.06	0.038	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.32	0.038	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.610	0.038	0.018	mg/kg	SW846 8270D
1,1'-Biphenyl		0.597	0.076	0.0052	mg/kg	SW846 8270D
Carbazole		0.211	0.15	0.011	mg/kg	SW846 8270D
Chrysene		2.09	0.038	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.255	0.038	0.017	mg/kg	SW846 8270D
Dibenzofuran		1.40	0.076	0.016	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.583	0.076	0.0089	mg/kg	SW846 8270D
Fluoranthene		4.66	0.076	0.034	mg/kg	SW846 8270D
Fluorene		3.25	0.038	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		1.16	0.038	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		16.3	0.76	0.086	mg/kg	SW846 8270D
Naphthalene		7.24	0.076	0.021	mg/kg	SW846 8270D
Phenanthrene		13.3	0.38	0.13	mg/kg	SW846 8270D
Pyrene		5.77	0.076	0.024	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		57.2 J			mg/kg	
4,4'-DDD ^a		0.0016	0.00072	0.00046	mg/kg	SW846 8081B
4,4'-DDT		0.0209	0.00072	0.00043	mg/kg	SW846 8081B
Endosulfan sulfate		0.0040	0.00072	0.00029	mg/kg	SW846 8081B
Aluminum		5660	58		mg/kg	SW846 6010C
Arsenic		8.1	2.3		mg/kg	SW846 6010C
Barium		558	23		mg/kg	SW846 6010C
Beryllium		0.44	0.23		mg/kg	SW846 6010C
Cadmium		1.4	0.58		mg/kg	SW846 6010C
Calcium		13100	580		mg/kg	SW846 6010C
Chromium		24.2	1.2		mg/kg	SW846 6010C
Cobalt		7.9	5.8		mg/kg	SW846 6010C
Copper		107	2.9		mg/kg	SW846 6010C
Iron		14100	58		mg/kg	SW846 6010C
Lead		2280	12		mg/kg	SW846 6010C
Magnesium		2620	580		mg/kg	SW846 6010C
Manganese		276	1.7		mg/kg	SW846 6010C
Mercury		2.0	0.18		mg/kg	SW846 7471B
Nickel		32.1	4.6		mg/kg	SW846 6010C
Vanadium		24.8	5.8		mg/kg	SW846 6010C
Zinc		357	5.8		mg/kg	SW846 6010C

JC44350-11 SB-5 (9-10)

Benzene ^b		0.0399 J	0.062	0.015	mg/kg	SW846 8260C
Cyclohexane ^b		0.0881 J	0.25	0.067	mg/kg	SW846 8260C
Ethylbenzene ^b		0.0869 J	0.12	0.018	mg/kg	SW846 8260C
Isopropylbenzene ^b		0.265	0.25	0.019	mg/kg	SW846 8260C
Methyl Acetate ^b		0.643	0.62	0.25	mg/kg	SW846 8260C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Methylcyclohexane ^b		0.996	0.25	0.062	mg/kg	SW846 8260C
Toluene ^b		0.0827 J	0.12	0.015	mg/kg	SW846 8260C
m,p-Xylene ^b		0.174	0.12	0.027	mg/kg	SW846 8260C
o-Xylene ^b		0.0505 J	0.12	0.025	mg/kg	SW846 8260C
Xylene (total) ^b		0.225	0.12	0.025	mg/kg	SW846 8260C
Total TIC, Volatile		150.2 J			mg/kg	
3&4-Methylphenol		0.359	0.081	0.033	mg/kg	SW846 8270D
Phenol		0.177	0.081	0.021	mg/kg	SW846 8270D
Acenaphthene		2.07	0.040	0.014	mg/kg	SW846 8270D
Acenaphthylene		0.937	0.040	0.021	mg/kg	SW846 8270D
Anthracene		1.75	0.20	0.12	mg/kg	SW846 8270D
Benzo(a)anthracene		1.30	0.040	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		1.47	0.040	0.018	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.45	0.040	0.018	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		1.03	0.040	0.020	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.516	0.040	0.019	mg/kg	SW846 8270D
1,1'-Biphenyl		0.292	0.081	0.0055	mg/kg	SW846 8270D
Chrysene		1.48	0.040	0.013	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.202	0.040	0.018	mg/kg	SW846 8270D
Dibenzofuran		1.05	0.081	0.016	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.340	0.081	0.0094	mg/kg	SW846 8270D
Fluoranthene		2.81	0.20	0.090	mg/kg	SW846 8270D
Fluorene		2.64	0.040	0.019	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.874	0.040	0.019	mg/kg	SW846 8270D
2-Methylnaphthalene		3.49	0.081	0.0091	mg/kg	SW846 8270D
Naphthalene		2.35	0.040	0.011	mg/kg	SW846 8270D
Phenanthrene		8.70	0.20	0.068	mg/kg	SW846 8270D
Pyrene		3.63	0.040	0.013	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		55.6 J			mg/kg	
4,4'-DDT ^e		0.0350	0.00079	0.00047	mg/kg	SW846 8081B
Endosulfan sulfate		0.0114	0.00079	0.00032	mg/kg	SW846 8081B
Aluminum		5860	66		mg/kg	SW846 6010C
Arsenic		12.1	2.6		mg/kg	SW846 6010C
Barium		91.2	26		mg/kg	SW846 6010C
Beryllium		0.42	0.26		mg/kg	SW846 6010C
Calcium		38300	1300		mg/kg	SW846 6010C
Chromium		18.9	1.3		mg/kg	SW846 6010C
Copper		46.7	3.3		mg/kg	SW846 6010C
Iron		11700	66		mg/kg	SW846 6010C
Lead		219	2.6		mg/kg	SW846 6010C
Magnesium		7710	660		mg/kg	SW846 6010C
Manganese		197	2.0		mg/kg	SW846 6010C
Mercury		0.87	0.037		mg/kg	SW846 7471B
Nickel		21.4	5.2		mg/kg	SW846 6010C
Vanadium		28.4	6.6		mg/kg	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Zinc		125	6.6		mg/kg	SW846 6010C
JC44350-12 TW-1						
Benzene		0.98	0.50	0.14	ug/l	SW846 8260C
Cyclohexane		3.6 J	5.0	0.73	ug/l	SW846 8260C
Ethylbenzene		0.62 J	1.0	0.20	ug/l	SW846 8260C
Isopropylbenzene		0.57 J	1.0	0.16	ug/l	SW846 8260C
Methylcyclohexane		0.81 J	5.0	0.78	ug/l	SW846 8260C
Methyl Tert Butyl Ether		1.8	1.0	0.34	ug/l	SW846 8260C
Toluene		0.70 J	1.0	0.23	ug/l	SW846 8260C
m,p-Xylene		1.3	1.0	0.42	ug/l	SW846 8260C
o-Xylene		0.71 J	1.0	0.21	ug/l	SW846 8260C
Xylene (total)		2.0	1.0	0.21	ug/l	SW846 8260C
Total TIC, Volatile		396.1 J			ug/l	
Acenaphthene		72.6	1.0	0.19	ug/l	SW846 8270D
Acenaphthylene		3.8	1.0	0.14	ug/l	SW846 8270D
Anthracene		29.6	1.0	0.21	ug/l	SW846 8270D
Benzo(a)anthracene		15.8	1.0	0.20	ug/l	SW846 8270D
Benzo(a)pyrene		12.3	1.0	0.21	ug/l	SW846 8270D
Benzo(b)fluoranthene		12.6	1.0	0.21	ug/l	SW846 8270D
Benzo(g,h,i)perylene		4.6	1.0	0.34	ug/l	SW846 8270D
Benzo(k)fluoranthene		5.6	1.0	0.21	ug/l	SW846 8270D
1,1'-Biphenyl		2.3	1.0	0.21	ug/l	SW846 8270D
Carbazole		16.7	1.0	0.23	ug/l	SW846 8270D
Chrysene		15.6	1.0	0.18	ug/l	SW846 8270D
Dibenzo(a,h)anthracene		1.6	1.0	0.33	ug/l	SW846 8270D
Dibenzofuran		47.6	5.0	0.22	ug/l	SW846 8270D
Fluoranthene		37.4	1.0	0.17	ug/l	SW846 8270D
Fluorene		56.7	1.0	0.17	ug/l	SW846 8270D
Indeno(1,2,3-cd)pyrene		6.3	1.0	0.33	ug/l	SW846 8270D
2-Methylnaphthalene		2.8	1.0	0.21	ug/l	SW846 8270D
Naphthalene		22.0	1.0	0.23	ug/l	SW846 8270D
Phenanthrene		85.4	1.0	0.18	ug/l	SW846 8270D
Pyrene		31.1	1.0	0.22	ug/l	SW846 8270D
Total TIC, Semi-Volatile		292.1 J			ug/l	
gamma-BHC (Lindane) ^a		0.040	0.0067	0.0019	ug/l	SW846 8081B
Methoxychlor ^a		0.044	0.013	0.0038	ug/l	SW846 8081B
Aluminum ^f		94600	1000		ug/l	SW846 6010C
Arsenic ^f		53.0	15		ug/l	SW846 6010C
Beryllium ^f		6.0	5.0		ug/l	SW846 6010C
Calcium ^f		198000	25000		ug/l	SW846 6010C
Chromium ^f		160	50		ug/l	SW846 6010C
Copper ^f		238	50		ug/l	SW846 6010C
Iron ^f		171000	500		ug/l	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Lead ^f		830	15		ug/l	SW846 6010C
Magnesium ^f		50600	25000		ug/l	SW846 6010C
Manganese ^f		6230	75		ug/l	SW846 6010C
Nickel ^f		259	50		ug/l	SW846 6010C
Sodium ^f		81100	50000		ug/l	SW846 6010C
Zinc ^f		648	100		ug/l	SW846 6010C

JC44350-12F TW-1

Arsenic		4.2	3.0		ug/l	SW846 6010C
Barium		230	200		ug/l	SW846 6010C
Calcium		162000	5000		ug/l	SW846 6010C
Copper		10.5	10		ug/l	SW846 6010C
Iron		152	100		ug/l	SW846 6010C
Lead		5.6	3.0		ug/l	SW846 6010C
Magnesium		30700	5000		ug/l	SW846 6010C
Manganese		1030	15		ug/l	SW846 6010C
Potassium		19100	10000		ug/l	SW846 6010C
Sodium		103000	10000		ug/l	SW846 6010C

JC44350-13 TW-3

Benzene		0.43 J	0.50	0.14	ug/l	SW846 8260C
Ethylbenzene		0.30 J	1.0	0.20	ug/l	SW846 8260C
Isopropylbenzene		0.25 J	1.0	0.16	ug/l	SW846 8260C
Methyl Tert Butyl Ether		0.49 J	1.0	0.34	ug/l	SW846 8260C
Toluene		0.42 J	1.0	0.23	ug/l	SW846 8260C
m,p-Xylene		0.52 J	1.0	0.42	ug/l	SW846 8260C
o-Xylene		0.34 J	1.0	0.21	ug/l	SW846 8260C
Xylene (total)		0.86 J	1.0	0.21	ug/l	SW846 8260C
Total TIC, Volatile		1012 J			ug/l	
3&4-Methylphenol		3.5	2.0	0.88	ug/l	SW846 8270D
Phenol		2.2	2.0	0.39	ug/l	SW846 8270D
Acenaphthene		25.1	1.0	0.19	ug/l	SW846 8270D
Anthracene		22.7	1.0	0.21	ug/l	SW846 8270D
Benzo(a)anthracene		22.3	1.0	0.20	ug/l	SW846 8270D
Benzo(a)pyrene		15.4	1.0	0.21	ug/l	SW846 8270D
Benzo(b)fluoranthene		16.8	1.0	0.21	ug/l	SW846 8270D
Benzo(g,h,i)perylene		7.0	1.0	0.34	ug/l	SW846 8270D
Benzo(k)fluoranthene		5.0	1.0	0.21	ug/l	SW846 8270D
Chrysene		24.2	1.0	0.18	ug/l	SW846 8270D
Dibenzo(a,h)anthracene		2.1	1.0	0.33	ug/l	SW846 8270D
Dibenzofuran		4.2 J	5.0	0.22	ug/l	SW846 8270D
bis(2-Ethylhexyl)phthalate		10.5	2.0	1.7	ug/l	SW846 8270D
Fluoranthene		56.1	1.0	0.17	ug/l	SW846 8270D

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method	
		Fluorene	16.0	1.0	0.17	ug/l	SW846 8270D
		Indeno(1,2,3-cd)pyrene	5.8	1.0	0.33	ug/l	SW846 8270D
		2-Methylnaphthalene	7.8	1.0	0.21	ug/l	SW846 8270D
		Naphthalene	4.0	1.0	0.23	ug/l	SW846 8270D
		Phenanthrene	9.5	1.0	0.18	ug/l	SW846 8270D
		Pyrene	75.2	1.0	0.22	ug/l	SW846 8270D
		Total TIC, Semi-Volatile	1673 J			ug/l	
		gamma-BHC (Lindane) ^a	0.0076	0.0067	0.0019	ug/l	SW846 8081B
		Aluminum ^f	82200	1000		ug/l	SW846 6010C
		Antimony ^f	42.5	30		ug/l	SW846 6010C
		Arsenic ^f	167	15		ug/l	SW846 6010C
		Barium ^f	1810	1000		ug/l	SW846 6010C
		Beryllium ^f	6.0	5.0		ug/l	SW846 6010C
		Calcium ^f	601000	25000		ug/l	SW846 6010C
		Chromium ^f	215	50		ug/l	SW846 6010C
		Copper ^f	550	50		ug/l	SW846 6010C
		Iron ^f	197000	500		ug/l	SW846 6010C
		Lead ^f	6180	15		ug/l	SW846 6010C
		Magnesium ^f	50900	25000		ug/l	SW846 6010C
		Manganese ^f	3720	75		ug/l	SW846 6010C
		Mercury	13.4	1.2		ug/l	SW846 7470A
		Nickel ^f	248	50		ug/l	SW846 6010C
		Sodium ^f	87400	50000		ug/l	SW846 6010C
		Vanadium ^f	277	250		ug/l	SW846 6010C
		Zinc ^f	2640	100		ug/l	SW846 6010C
JC44350-13F TW-3							
		Antimony	10.8	6.0		ug/l	SW846 6010C
		Arsenic	9.3	3.0		ug/l	SW846 6010C
		Calcium	131000	5000		ug/l	SW846 6010C
		Iron	223	100		ug/l	SW846 6010C
		Lead	45.6	3.0		ug/l	SW846 6010C
		Magnesium	20400	5000		ug/l	SW846 6010C
		Manganese	333	15		ug/l	SW846 6010C
		Potassium	20200	10000		ug/l	SW846 6010C
		Sodium	121000	10000		ug/l	SW846 6010C
		Zinc	22.2	20		ug/l	SW846 6010C
JC44350-14 TW-5							
		Benzene	0.19 J	0.50	0.14	ug/l	SW846 8260C
		Carbon disulfide	1.6 J	2.0	0.33	ug/l	SW846 8260C
		Cyclohexane	2.8 J	5.0	0.73	ug/l	SW846 8260C
		1,2-Dichlorobenzene	0.30 J	1.0	0.23	ug/l	SW846 8260C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropylbenzene		4.4	1.0	0.16	ug/l	SW846 8260C
Methylcyclohexane		8.3	5.0	0.78	ug/l	SW846 8260C
Methyl Tert Butyl Ether		4.3	1.0	0.34	ug/l	SW846 8260C
o-Xylene		0.38 J	1.0	0.21	ug/l	SW846 8260C
Xylene (total)		0.38 J	1.0	0.21	ug/l	SW846 8260C
Total TIC, Volatile		1455 J			ug/l	
Acenaphthene		28.9	1.0	0.19	ug/l	SW846 8270D
Anthracene		10.7	1.0	0.21	ug/l	SW846 8270D
Benzo(a)anthracene		5.8	1.0	0.20	ug/l	SW846 8270D
Benzo(a)pyrene		7.3	1.0	0.21	ug/l	SW846 8270D
Benzo(b)fluoranthene		6.1	1.0	0.21	ug/l	SW846 8270D
Benzo(g,h,i)perylene		4.2	1.0	0.34	ug/l	SW846 8270D
Benzo(k)fluoranthene		2.6	1.0	0.21	ug/l	SW846 8270D
Chrysene		5.6	1.0	0.18	ug/l	SW846 8270D
Dibenzo(a,h)anthracene		0.62 J	1.0	0.33	ug/l	SW846 8270D
Dibenzofuran		8.6	5.0	0.22	ug/l	SW846 8270D
Fluoranthene		15.0	1.0	0.17	ug/l	SW846 8270D
Fluorene		26.5	1.0	0.17	ug/l	SW846 8270D
Indeno(1,2,3-cd)pyrene		2.8	1.0	0.33	ug/l	SW846 8270D
2-Methylnaphthalene		4.4	1.0	0.21	ug/l	SW846 8270D
Phenanthrene		54.8	1.0	0.18	ug/l	SW846 8270D
Pyrene		18.6	1.0	0.22	ug/l	SW846 8270D
Total TIC, Semi-Volatile		1340 J			ug/l	
Aluminum ^f		104000	1000		ug/l	SW846 6010C
Arsenic ^f		168	15		ug/l	SW846 6010C
Barium ^f		2370	1000		ug/l	SW846 6010C
Beryllium ^f		8.0	5.0		ug/l	SW846 6010C
Calcium ^f		441000	25000		ug/l	SW846 6010C
Chromium ^f		285	50		ug/l	SW846 6010C
Copper ^f		734	50		ug/l	SW846 6010C
Iron ^f		208000	500		ug/l	SW846 6010C
Lead ^f		5200	15		ug/l	SW846 6010C
Magnesium ^f		75700	25000		ug/l	SW846 6010C
Manganese ^f		4750	75		ug/l	SW846 6010C
Mercury		31.9	2.4		ug/l	SW846 7470A
Nickel ^f		489	50		ug/l	SW846 6010C
Sodium ^f		128000	50000		ug/l	SW846 6010C
Vanadium ^f		344	250		ug/l	SW846 6010C
Zinc ^f		2050	100		ug/l	SW846 6010C

JC44350-14F TW-5

Arsenic	5.1	3.0		ug/l	SW846 6010C
Calcium	165000	5000		ug/l	SW846 6010C
Iron	516	100		ug/l	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Lead		10.0	3.0		ug/l	SW846 6010C
Magnesium		30600	5000		ug/l	SW846 6010C
Manganese		653	15		ug/l	SW846 6010C
Potassium		26900	10000		ug/l	SW846 6010C
Sodium		137000	10000		ug/l	SW846 6010C

JC44350-15 TW-5D

Carbon disulfide		0.79 J	2.0	0.33	ug/l	SW846 8260C
Cyclohexane		1.6 J	5.0	0.73	ug/l	SW846 8260C
Isopropylbenzene		1.8	1.0	0.16	ug/l	SW846 8260C
Methylcyclohexane		5.7	5.0	0.78	ug/l	SW846 8260C
Methyl Tert Butyl Ether		3.6	1.0	0.34	ug/l	SW846 8260C
Total TIC, Volatile		614 J			ug/l	
Acenaphthene		17.3	1.0	0.19	ug/l	SW846 8270D
Anthracene		4.8	1.0	0.21	ug/l	SW846 8270D
Benzo(a)anthracene		1.9	1.0	0.20	ug/l	SW846 8270D
Benzo(a)pyrene		2.2	1.0	0.21	ug/l	SW846 8270D
Benzo(b)fluoranthene		2.1	1.0	0.21	ug/l	SW846 8270D
Benzo(g,h,i)perylene		1.3	1.0	0.34	ug/l	SW846 8270D
Benzo(k)fluoranthene		0.54 J	1.0	0.21	ug/l	SW846 8270D
Chrysene		1.9	1.0	0.18	ug/l	SW846 8270D
Dibenzofuran		4.5 J	5.0	0.22	ug/l	SW846 8270D
Fluoranthene		5.8	1.0	0.17	ug/l	SW846 8270D
Fluorene		14.1	1.0	0.17	ug/l	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.89 J	1.0	0.33	ug/l	SW846 8270D
2-Methylnaphthalene		3.1	1.0	0.21	ug/l	SW846 8270D
Phenanthrene		24.5	1.0	0.18	ug/l	SW846 8270D
Pyrene		6.5	1.0	0.22	ug/l	SW846 8270D
Total TIC, Semi-Volatile		689 J			ug/l	
Aluminum ^f		59900	1000		ug/l	SW846 6010C
Arsenic ^f		86.5	15		ug/l	SW846 6010C
Barium ^f		1350	1000		ug/l	SW846 6010C
Calcium ^f		248000	25000		ug/l	SW846 6010C
Chromium ^f		160	50		ug/l	SW846 6010C
Copper ^f		367	50		ug/l	SW846 6010C
Iron ^f		113000	500		ug/l	SW846 6010C
Lead ^f		2810	15		ug/l	SW846 6010C
Magnesium ^f		48600	25000		ug/l	SW846 6010C
Manganese ^f		2420	75		ug/l	SW846 6010C
Mercury		7.1	1.2		ug/l	SW846 7470A
Nickel ^f		279	50		ug/l	SW846 6010C
Sodium ^f		106000	50000		ug/l	SW846 6010C
Zinc ^f		1200	100		ug/l	SW846 6010C

Summary of Hits

Job Number: JC44350
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC44350-15F TW-5D

Arsenic	5.4	3.0	ug/l	SW846 6010C
Calcium	159000	5000	ug/l	SW846 6010C
Iron	949	100	ug/l	SW846 6010C
Lead	6.1	3.0	ug/l	SW846 6010C
Magnesium	29800	5000	ug/l	SW846 6010C
Manganese	680	15	ug/l	SW846 6010C
Potassium	25400	10000	ug/l	SW846 6010C
Sodium	129000	10000	ug/l	SW846 6010C

JC44350-16 FB-1

No hits reported in this sample.

JC44350-17 FB-2

No hits reported in this sample.

JC44350-18 TRIP BLANK

No hits reported in this sample.

- (a) More than 40 % RPD for detected concentrations between the two GC columns.
- (b) Dilution required due to matrix interference.
- (c) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- (d) Diluted due to high concentration of non-target compound.
- (e) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- (f) Elevated sample detection limit due to difficult sample matrix.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: SB-1 (0-1)		
Lab Sample ID: JC44350-1		Date Sampled: 05/30/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8260C		Percent Solids: 87.3
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V35538.D	1	06/03/17 21:55	TDN	n/a	n/a	V3V1423
Run #2							

Run #1	Initial Weight
Run #1	5.6 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0454	0.010	0.0051	mg/kg	
71-43-2	Benzene	ND	0.00051	0.00012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0051	0.00033	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0020	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0051	0.00027	mg/kg	
74-83-9	Bromomethane	ND	0.0051	0.00050	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.010	0.0018	mg/kg	
75-15-0	Carbon disulfide	ND	0.0020	0.00017	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0020	0.00017	mg/kg	
108-90-7	Chlorobenzene	ND	0.0020	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0051	0.00044	mg/kg	
67-66-3	Chloroform	ND	0.0020	0.00024	mg/kg	
74-87-3	Chloromethane	ND	0.0051	0.00022	mg/kg	
110-82-7	Cyclohexane	ND	0.0020	0.00056	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0020	0.00050	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0020	0.00015	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00025	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0010	0.00017	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0010	0.00014	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0010	0.00016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0051	0.00056	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00019	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00017	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00016	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00045	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0010	0.00016	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0020	0.00032	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0020	0.00020	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0020	0.00023	mg/kg	
100-41-4	Ethylbenzene	ND	0.0010	0.00015	mg/kg	
76-13-1	Freon 113	ND	0.0051	0.00050	mg/kg	
591-78-6	2-Hexanone	ND	0.0051	0.0014	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-1		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 87.3
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0020	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0051	0.0021	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0020	0.00052	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00027	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0051	0.00087	mg/kg	
75-09-2	Methylene chloride	ND	0.0051	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0020	0.00015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0020	0.00024	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0020	0.00029	mg/kg	
108-88-3	Toluene	0.00017	0.0010	0.00013	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0051	0.00051	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0020	0.00017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0020	0.00033	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00019	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0051	0.00064	mg/kg	
75-01-4	Vinyl chloride	ND	0.0020	0.00021	mg/kg	
	m,p-Xylene	ND	0.0010	0.00022	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	91%		72-129%
17060-07-0	1,2-Dichloroethane-D4	110%		73-132%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	98%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.14	.0076	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1)		
Lab Sample ID: JC44350-1		Date Sampled: 05/30/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8270D SW846 3546		Percent Solids: 87.3
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P114674.D	1	06/14/17 14:51	RL	06/13/17 17:30	OP3685	EP5118
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.074	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.032	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.066	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.040	mg/kg	
95-48-7	2-Methylphenol	ND	0.074	0.024	mg/kg	
	3&4-Methylphenol	ND	0.074	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.025	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.099	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.035	mg/kg	
108-95-2	Phenol	ND	0.074	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.025	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.028	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.022	mg/kg	
83-32-9	Acenaphthene	0.214	0.037	0.013	mg/kg	
208-96-8	Acenaphthylene	0.0524	0.037	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0080	mg/kg	
120-12-7	Anthracene	0.470	0.037	0.023	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	1.20	0.037	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	1.16	0.037	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.38	0.037	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.777	0.037	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.521	0.037	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.074	0.0091	mg/kg	
92-52-4	1,1'-Biphenyl	0.0252	0.074	0.0051	mg/kg	J
100-52-7	Benzaldehyde	0.0232	0.19	0.0092	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.074	0.0089	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.013	mg/kg	
86-74-8	Carbazole	0.259	0.074	0.0054	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1)	
Lab Sample ID: JC44350-1	Date Sampled: 05/30/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 87.3
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.074	0.015	mg/kg	
218-01-9	Chrysene	1.41	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.074	0.0080	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.074	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.074	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.074	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.074	0.031	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.206	0.037	0.016	mg/kg	
132-64-9	Dibenzofuran	0.163	0.074	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0061	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.074	0.0093	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.0079	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.0066	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.0694	0.074	0.0087	mg/kg	J
206-44-0	Fluoranthene	2.58	0.037	0.017	mg/kg	
86-73-7	Fluorene	0.175	0.037	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.074	0.0094	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.816	0.037	0.017	mg/kg	
78-59-1	Isophorone	ND	0.074	0.0080	mg/kg	
91-57-6	2-Methylnaphthalene	0.0619	0.074	0.0084	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.19	0.0088	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.0093	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.0096	mg/kg	
91-20-3	Naphthalene	0.103	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.074	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.014	mg/kg	
85-01-8	Phenanthrene	2.37	0.037	0.012	mg/kg	
129-00-0	Pyrene	2.38	0.037	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0094	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1)	
Lab Sample ID: JC44350-1	Date Sampled: 05/30/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 87.3
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	65%		27-114%
118-79-6	2,4,6-Tribromophenol	46%		19-152%
4165-60-0	Nitrobenzene-d5	79%		26-134%
321-60-8	2-Fluorobiphenyl	86%		39-124%
1718-51-0	Terphenyl-d14	86%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.70	.61	mg/kg	J
	system artifact	2.79	.19	mg/kg	J
	system artifact	3.17	.21	mg/kg	J
	system artifact	3.21	5.4	mg/kg	J
	system artifact	3.29	1.4	mg/kg	J
	system artifact	3.42	.27	mg/kg	J
	system artifact/aldol-condensation	3.75	170	mg/kg	J
	unknown	4.18	.65	mg/kg	J
	alkane	8.25	.18	mg/kg	J
	alkane	9.68	.17	mg/kg	J
	Anthracene methyl	9.94	.36	mg/kg	J
	Anthracene methyl	9.99	.5	mg/kg	J
	Phenanthrene methyl	10.07	.18	mg/kg	J
	unknown	10.13	.6	mg/kg	J
	Phenanthrene methyl	10.18	.28	mg/kg	J
	Naphthalene, phenyl	10.50	.52	mg/kg	J
	Phenanthrene dimethyl	10.99	.35	mg/kg	J
	unknown	11.06	.24	mg/kg	J
	unknown	11.57	.22	mg/kg	J
	Pyrene methyl	12.46	.41	mg/kg	J
	unknown	12.61	.16	mg/kg	J
	Benzo[b]naphtho[-d]thiophene	13.80	.18	mg/kg	J
	unknown	13.88	.18	mg/kg	J
	unknown	15.30	.19	mg/kg	J
	unknown PAH substance	16.89	.43	mg/kg	J
	unknown PAH substance	17.23	.94	mg/kg	J
	alkane	17.96	.44	mg/kg	J
	unknown	18.55	.56	mg/kg	J
	unknown	19.09	.83	mg/kg	J
	unknown PAH substance	19.23	.32	mg/kg	J
	unknown	19.71	.41	mg/kg	J
	unknown	19.78	.22	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1) Lab Sample ID: JC44350-1 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 87.3
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ABN TCL List (SOM0 2.0)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		9.52	mg/kg	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: SB-1 (0-1)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-1		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 87.3
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6549.D	1	06/14/17 20:47	CP	06/04/17	OP3424	G8G188
Run #2 ^a	8G6617.D	5	06/15/17 18:24	RK	06/04/17	OP3424	G8G189

Run #	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2	15.3 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	0.0466	0.00075	0.00036	mg/kg	
319-84-6	alpha-BHC	ND	0.00075	0.00040	mg/kg	
319-85-7	beta-BHC	ND	0.00075	0.00047	mg/kg	
319-86-8	delta-BHC	ND	0.00075	0.00034	mg/kg	
58-89-9	gamma-BHC (Lindane) ^b	0.00039	0.00075	0.00033	mg/kg	J
5103-71-9	alpha-Chlordane ^b	0.0585	0.00075	0.00036	mg/kg	
5103-74-2	gamma-Chlordane	0.0425	0.00075	0.00033	mg/kg	
60-57-1	Dieldrin	0.0109	0.00075	0.00037	mg/kg	
72-54-8	4,4' -DDD	ND	0.00075	0.00048	mg/kg	
72-55-9	4,4' -DDE	0.0300	0.00075	0.00039	mg/kg	
50-29-3	4,4' -DDT	0.0163	0.00075	0.00045	mg/kg	
72-20-8	Endrin	ND	0.00075	0.00035	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00075	0.00030	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00075	0.00044	mg/kg	
959-98-8	Endosulfan-I	ND	0.00075	0.00039	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00075	0.00039	mg/kg	
76-44-8	Heptachlor ^b	0.0040	0.00075	0.00037	mg/kg	
1024-57-3	Heptachlor epoxide ^b	0.0014	0.00075	0.00040	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00037	mg/kg	
53494-70-5	Endrin ketone	ND	0.00075	0.00058	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.0078	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%	75%	25-135%
877-09-8	Tetrachloro-m-xylene	78%	67%	25-135%
2051-24-3	Decachlorobiphenyl	49%	63%	10-156%
2051-24-3	Decachlorobiphenyl	104%	128%	10-156%

(a) Confirmation run.

(b) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (0-1)	
Lab Sample ID: JC44350-1	Date Sampled: 05/30/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8082A SW846 3546	Percent Solids: 87.3
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170847.D	1	06/06/17 10:08	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.037	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.037	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.037	0.023	mg/kg	
53469-21-9	Aroclor 1242	ND	0.037	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.037	0.022	mg/kg	
11097-69-1	Aroclor 1254	ND	0.037	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.037	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.037	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.037	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		24-152%
877-09-8	Tetrachloro-m-xylene	85%		24-152%
2051-24-3	Decachlorobiphenyl	109%		10-166%
2051-24-3	Decachlorobiphenyl	126%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: SB-1 (0-1) Lab Sample ID: JC44350-1 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 87.3
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	8760	56	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	5.1	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	76.9	22	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.40	0.22	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	< 0.56	0.56	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	50300	1100	mg/kg	2	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Chromium	17.2	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	< 5.6	5.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	29.7	2.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	12000	56	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Lead	57.1	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Magnesium	8350	560	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	203	1.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	0.080	0.035	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	14.1	4.5	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	1920	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.56	0.56	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	26.4	5.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	68.7	5.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

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4

Report of Analysis

Client Sample ID: SB-1 (9-10)		
Lab Sample ID: JC44350-2		Date Sampled: 05/30/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8260C		Percent Solids: 89.3
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V35539.D	1	06/03/17 22:23	TDN	n/a	n/a	V3V1423
Run #2							

	Initial Weight
Run #1	6.0 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0141	0.0093	0.0047	mg/kg	
71-43-2	Benzene	ND	0.00047	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.00030	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0019	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00025	mg/kg	
74-83-9	Bromomethane	ND	0.0047	0.00045	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0093	0.0016	mg/kg	
75-15-0	Carbon disulfide	ND	0.0019	0.00016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0019	0.00015	mg/kg	
108-90-7	Chlorobenzene	ND	0.0019	0.00015	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.00040	mg/kg	
67-66-3	Chloroform	ND	0.0019	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0047	0.00020	mg/kg	
110-82-7	Cyclohexane	ND	0.0019	0.00051	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0019	0.00045	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0019	0.00014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00093	0.00023	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00093	0.00016	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00093	0.00013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00093	0.00014	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00051	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00093	0.00017	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.00093	0.00016	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.00093	0.00014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00093	0.00041	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00093	0.00015	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0019	0.00029	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0019	0.00018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0019	0.00021	mg/kg	
100-41-4	Ethylbenzene	0.00018	0.00093	0.00014	mg/kg	J
76-13-1	Freon 113	ND	0.0047	0.00045	mg/kg	
591-78-6	2-Hexanone	ND	0.0047	0.0013	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (9-10)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-2		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 89.3
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0019	0.00014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0047	0.0019	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0019	0.00047	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00093	0.00025	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0047	0.00079	mg/kg	
75-09-2	Methylene chloride	ND	0.0047	0.00093	mg/kg	
100-42-5	Styrene	ND	0.0019	0.00014	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0019	0.00022	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0019	0.00026	mg/kg	
108-88-3	Toluene	0.00047	0.00093	0.00012	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00047	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.00047	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0019	0.00016	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0019	0.00030	mg/kg	
79-01-6	Trichloroethene	ND	0.00093	0.00018	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.00059	mg/kg	
75-01-4	Vinyl chloride	ND	0.0019	0.00019	mg/kg	
	m,p-Xylene	0.00022	0.00093	0.00020	mg/kg	J
95-47-6	o-Xylene	ND	0.00093	0.00019	mg/kg	
1330-20-7	Xylene (total)	0.00022	0.00093	0.00019	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		72-129%
17060-07-0	1,2-Dichloroethane-D4	106%		73-132%
2037-26-5	Toluene-D8	94%		80-120%
460-00-4	4-Bromofluorobenzene	98%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.20	.15	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: SB-1 (9-10)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-2		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 89.3
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P39761.D	1	06/15/17 12:26	SB	06/03/17	OP3408	E5P1959
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	31.1 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.023	mg/kg	
	3&4-Methylphenol	ND	0.072	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.096	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.034	mg/kg	
108-95-2	Phenol	ND	0.072	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.021	mg/kg	
83-32-9	Acenaphthene	ND	0.036	0.012	mg/kg	
208-96-8	Acenaphthylene	ND	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0077	mg/kg	
120-12-7	Anthracene	ND	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.036	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.0088	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.072	0.0049	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.0086	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	ND	0.072	0.0052	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-1 (9-10) Lab Sample ID: JC44350-2 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 89.3
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ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	86%		27-114%
118-79-6	2,4,6-Tribromophenol	92%		19-152%
4165-60-0	Nitrobenzene-d5	82%		26-134%
321-60-8	2-Fluorobiphenyl	82%		39-124%
1718-51-0	Terphenyl-d14	111%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.61	.26	mg/kg	J
	system artifact/aldol-condensation	3.14	.38	mg/kg	J
	Total TIC, Semi-Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: SB-1 (9-10)	Date Sampled: 05/30/17
Lab Sample ID: JC44350-2	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 89.3
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170850.D	1	06/06/17 11:23	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		24-152%
877-09-8	Tetrachloro-m-xylene	92%		24-152%
2051-24-3	Decachlorobiphenyl	80%		10-166%
2051-24-3	Decachlorobiphenyl	76%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: SB-1 (9-10) Lab Sample ID: JC44350-2 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 89.3
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	299	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Antimony	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Arsenic ^a	< 11	11	mg/kg	5	06/06/17	06/12/17	AB	SW846 6010C ³
Barium	< 23	23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Beryllium	< 0.23	0.23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Cadmium	< 0.57	0.57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Calcium	325000	14000	mg/kg	25	06/06/17	06/12/17	AB	SW846 6010C ³
Chromium	4.7	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Cobalt	< 5.7	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Copper	4.0	2.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Iron	1450	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Lead	3.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Magnesium	2020	570	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Manganese	66.3	1.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Mercury	< 0.036	0.036	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹
Nickel	< 4.5	4.5	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Potassium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Selenium ^a	< 11	11	mg/kg	5	06/06/17	06/12/17	AB	SW846 6010C ³
Silver ^a	< 2.8	2.8	mg/kg	5	06/06/17	06/12/17	AB	SW846 6010C ³
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Vanadium	< 5.7	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²
Zinc	12.4	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ²

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

4.2
4

Report of Analysis

Client Sample ID: SB-2 (1-2)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-3		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 88.1
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0021	0.00016	mg/kg	
79-20-9	Methyl Acetate	ND	0.0052	0.0021	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0021	0.00052	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0010	0.00027	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0052	0.00088	mg/kg	
75-09-2	Methylene chloride	ND	0.0052	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0021	0.00015	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0021	0.00025	mg/kg	
127-18-4	Tetrachloroethene	0.00035	0.0021	0.00029	mg/kg	J
108-88-3	Toluene	0.00031	0.0010	0.00013	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	0.00052	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0052	0.00052	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0021	0.00017	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0021	0.00033	mg/kg	
79-01-6	Trichloroethene	ND	0.0010	0.00020	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0052	0.00065	mg/kg	
75-01-4	Vinyl chloride	ND	0.0021	0.00021	mg/kg	
	m,p-Xylene	ND	0.0010	0.00023	mg/kg	
95-47-6	o-Xylene	ND	0.0010	0.00021	mg/kg	
1330-20-7	Xylene (total)	ND	0.0010	0.00021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	89%		72-129%
17060-07-0	1,2-Dichloroethane-D4	90%		73-132%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	94%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID:	SB-2 (1-2)	Date Sampled:	05/30/17
Lab Sample ID:	JC44350-3	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	88.1
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.075	0.015	mg/kg	
218-01-9	Chrysene	0.574	0.037	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.075	0.0080	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.075	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.075	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.075	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.075	0.031	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.113	0.037	0.017	mg/kg	
132-64-9	Dibenzofuran	0.0428	0.075	0.015	mg/kg	J
84-74-2	Di-n-butyl phthalate	ND	0.075	0.0061	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.075	0.0093	mg/kg	
84-66-2	Diethyl phthalate	ND	0.075	0.0080	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.075	0.0066	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.369	0.075	0.0087	mg/kg	
206-44-0	Fluoranthene	1.01	0.037	0.017	mg/kg	
86-73-7	Fluorene	0.0637	0.037	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.075	0.0094	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.468	0.037	0.018	mg/kg	
78-59-1	Isophorone	ND	0.075	0.0080	mg/kg	
91-57-6	2-Methylnaphthalene	0.0414	0.075	0.0084	mg/kg	J
88-74-4	2-Nitroaniline	ND	0.19	0.0088	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.0093	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.0097	mg/kg	
91-20-3	Naphthalene	0.106	0.037	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.075	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.075	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.014	mg/kg	
85-01-8	Phenanthrene	0.643	0.037	0.013	mg/kg	
129-00-0	Pyrene	1.06	0.037	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0095	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	72%		23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-2 (1-2) Lab Sample ID: JC44350-3 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 88.1
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ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	71%		27-114%
118-79-6	2,4,6-Tribromophenol	84%		19-152%
4165-60-0	Nitrobenzene-d5	72%		26-134%
321-60-8	2-Fluorobiphenyl	87%		39-124%
1718-51-0	Terphenyl-d14	104%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.49	3	mg/kg	J
	alkane	8.17	.2	mg/kg	J
	Phenanthrene methyl	9.89	.18	mg/kg	J
	unknown	10.03	.27	mg/kg	J
	Chrysene methyl	15.22	.16	mg/kg	J
	unknown PAH substance	16.81	.29	mg/kg	J
	unknown PAH substance	17.15	.59	mg/kg	J
	unknown	17.61	.16	mg/kg	J
	unknown	17.88	.18	mg/kg	J
	unknown	17.96	.19	mg/kg	J
	unknown	18.18	.23	mg/kg	J
	unknown	18.46	.83	mg/kg	J
	unknown	19.00	.58	mg/kg	J
	unknown	19.62	.25	mg/kg	J
	unknown	19.70	.24	mg/kg	J
	unknown	20.11	.29	mg/kg	J
	Total TIC, Semi-Volatile		4.64	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-2 (1-2)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-3		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 88.1
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6542.D	1	06/14/17 19:02	CP	06/04/17	OP3424	G8G188
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	0.0014	0.00076	0.00036	mg/kg	
319-84-6	alpha-BHC	ND	0.00076	0.00041	mg/kg	
319-85-7	beta-BHC	ND	0.00076	0.00048	mg/kg	
319-86-8	delta-BHC	ND	0.00076	0.00034	mg/kg	
58-89-9	gamma-BHC (Lindane) ^a	0.00042	0.00076	0.00033	mg/kg	J
5103-71-9	alpha-Chlordane	0.0326	0.00076	0.00036	mg/kg	
5103-74-2	gamma-Chlordane	0.0256	0.00076	0.00033	mg/kg	
60-57-1	Dieldrin	0.0066	0.00076	0.00038	mg/kg	
72-54-8	4,4' -DDD	0.00083	0.00076	0.00049	mg/kg	
72-55-9	4,4' -DDE	0.0049	0.00076	0.00039	mg/kg	
50-29-3	4,4' -DDT ^a	0.0138	0.00076	0.00045	mg/kg	
72-20-8	Endrin	ND	0.00076	0.00035	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00076	0.00030	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00076	0.00045	mg/kg	
959-98-8	Endosulfan-I	ND	0.00076	0.00040	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00076	0.00040	mg/kg	
76-44-8	Heptachlor ^a	0.0061	0.00076	0.00037	mg/kg	
1024-57-3	Heptachlor epoxide	0.0032	0.00076	0.00041	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00038	mg/kg	
53494-70-5	Endrin ketone	ND	0.00076	0.00058	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.0079	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		25-135%
877-09-8	Tetrachloro-m-xylene	76%		25-135%
2051-24-3	Decachlorobiphenyl	56%		10-156%
2051-24-3	Decachlorobiphenyl	95%		10-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-2 (1-2)	Date Sampled: 05/30/17
Lab Sample ID: JC44350-3	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 88.1
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170851.D	1	06/06/17 11:49	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	0.023	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	0.022	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.038	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.038	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		24-152%
877-09-8	Tetrachloro-m-xylene	90%		24-152%
2051-24-3	Decachlorobiphenyl	88%		10-166%
2051-24-3	Decachlorobiphenyl	98%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-2 (1-2)	Date Sampled: 05/30/17
Lab Sample ID: JC44350-3	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 88.1
Project: 233-239 Nevins Street, Brooklyn, NY	

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	7810	56	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Antimony	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Arsenic	5.4	2.2	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Barium	79.3	22	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Beryllium	0.55	0.22	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Cadmium	1.5	0.56	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Calcium	36900	1100	mg/kg	2	06/06/17	06/12/17	AB SW846 6010C ³	SW846 3050B ⁵
Chromium	19.1	1.1	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Cobalt	5.7	5.6	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Copper	34.7	2.8	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Iron	14900	56	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Lead	149	2.2	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Magnesium	8020	560	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Manganese	273	1.7	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Mercury	0.14	0.035	mg/kg	1	06/03/17	06/03/17	JA SW846 7471B ¹	SW846 7471B ⁴
Nickel	17.6	4.5	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Potassium	1120	1100	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Selenium	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Silver	< 0.56	0.56	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Vanadium	29.0	5.6	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵
Zinc	144	5.6	mg/kg	1	06/06/17	06/09/17	ND SW846 6010C ²	SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID: SB-2 (9-10)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-4		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 88.0
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E245139.D	1	06/05/17 10:27	TDN	n/a	n/a	VE10556
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.7 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.92	0.46	mg/kg	
71-43-2	Benzene	ND	0.046	0.011	mg/kg	
74-97-5	Bromochloromethane	ND	0.46	0.029	mg/kg	
75-27-4	Bromodichloromethane	ND	0.18	0.014	mg/kg	
75-25-2	Bromoform	ND	0.46	0.024	mg/kg	
74-83-9	Bromomethane	ND	0.46	0.044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.92	0.16	mg/kg	
75-15-0	Carbon disulfide	ND	0.18	0.016	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.18	0.015	mg/kg	
108-90-7	Chlorobenzene	ND	0.18	0.015	mg/kg	
75-00-3	Chloroethane	ND	0.46	0.039	mg/kg	
67-66-3	Chloroform	ND	0.18	0.022	mg/kg	
74-87-3	Chloromethane	ND	0.46	0.019	mg/kg	
110-82-7	Cyclohexane	ND	0.18	0.050	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.18	0.044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.18	0.014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.092	0.022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.092	0.016	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.092	0.013	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.092	0.014	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.46	0.050	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.092	0.017	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.092	0.016	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.092	0.014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.092	0.040	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.092	0.014	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.18	0.028	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.18	0.018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.18	0.020	mg/kg	
100-41-4	Ethylbenzene	0.194	0.092	0.014	mg/kg	
76-13-1	Freon 113	ND	0.46	0.044	mg/kg	
591-78-6	2-Hexanone	ND	0.46	0.13	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (9-10)	Date Sampled:	05/30/17
Lab Sample ID:	JC44350-4	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.134	0.18	0.014	mg/kg	J
79-20-9	Methyl Acetate	ND	0.46	0.19	mg/kg	
108-87-2	Methylcyclohexane	0.137	0.18	0.046	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.092	0.024	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.46	0.078	mg/kg	
75-09-2	Methylene chloride	ND	0.46	0.092	mg/kg	
100-42-5	Styrene	ND	0.18	0.013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.18	0.022	mg/kg	
127-18-4	Tetrachloroethene	ND	0.18	0.026	mg/kg	
108-88-3	Toluene	0.0494	0.092	0.011	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.46	0.046	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.46	0.046	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.18	0.015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.18	0.030	mg/kg	
79-01-6	Trichloroethene	ND	0.092	0.017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.46	0.058	mg/kg	
75-01-4	Vinyl chloride	ND	0.18	0.019	mg/kg	
	m,p-Xylene	0.254	0.092	0.020	mg/kg	
95-47-6	o-Xylene	0.203	0.092	0.019	mg/kg	
1330-20-7	Xylene (total)	0.457	0.092	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		72-129%
17060-07-0	1,2-Dichloroethane-D4	106%		73-132%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C4 alkyl benzene	17.68	3.3	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.56	3.3	mg/kg	J
119-64-2	Naphthalene, 1,2,3,4-tetrahydro-	18.98	3.8	mg/kg	JN
	C5 alkyl benzene	19.11	5.5	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.29	3.6	mg/kg	J
	unknown	19.48	3.9	mg/kg	J
91-20-3	Naphthalene	19.60	3.4	mg/kg	JN
	Naphthalene, tetrahydro-methyl- isomer	19.66	3.3	mg/kg	J
	unknown	19.79	5.1	mg/kg	J
	unknown	20.14	3.3	mg/kg	J

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-2 (9-10)	Date Sampled: 05/30/17
Lab Sample ID: JC44350-4	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 88.0
Method: SW846 8260C	
Project: 233-239 Nevins Street, Brooklyn, NY	

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene, tetrahydro-methyl- isomer	20.28	4.6	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.70	7.4	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.90	4.7	mg/kg	J
91-57-6	Naphthalene, 2-methyl-	21.02	7.4	mg/kg	JN
90-12-0	Naphthalene, 1-methyl-	21.27	5.8	mg/kg	JN
	Total TIC, Volatile		68.4	mg/kg	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: SB-2 (9-10)		Date Sampled: 05/30/17
Lab Sample ID: JC44350-4		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 88.0
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F168022.D	1	06/13/17 05:25	CS	06/03/17	OP3408	EF7108
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.076	0.019	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.032	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.067	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.041	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	0.024	mg/kg	
	3&4-Methylphenol	ND	0.076	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.025	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.10	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.036	mg/kg	
108-95-2	Phenol	ND	0.076	0.020	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.025	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.028	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.023	mg/kg	
83-32-9	Acenaphthene	0.364	0.038	0.013	mg/kg	
208-96-8	Acenaphthylene	0.345	0.038	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0081	mg/kg	
120-12-7	Anthracene	0.543	0.038	0.023	mg/kg	
1912-24-9	Atrazine	ND	0.076	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	1.19	0.038	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	1.31	0.038	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.17	0.038	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.06	0.038	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.424	0.038	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.076	0.0092	mg/kg	
92-52-4	1,1'-Biphenyl	0.238	0.076	0.0052	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	0.0090	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.014	mg/kg	
86-74-8	Carbazole	0.164	0.076	0.0055	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-2 (9-10)	Date Sampled:	05/30/17
Lab Sample ID:	JC44350-4	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	88.0
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.076	0.015	mg/kg	
218-01-9	Chrysene	1.66	0.038	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	0.0081	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.076	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	0.032	mg/kg	
123-91-1	1,4-Dioxane	ND	0.038	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.287	0.038	0.017	mg/kg	
132-64-9	Dibenzofuran	ND	0.076	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	0.0062	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	0.0094	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	0.0081	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	0.0067	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.420	0.076	0.0089	mg/kg	
206-44-0	Fluoranthene	1.97	0.038	0.017	mg/kg	
86-73-7	Fluorene	0.484	0.038	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	0.0096	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.019	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.950	0.038	0.018	mg/kg	
78-59-1	Isophorone	ND	0.076	0.0081	mg/kg	
91-57-6	2-Methylnaphthalene	1.72	0.076	0.0086	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.0089	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.0095	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.0098	mg/kg	
91-20-3	Naphthalene	0.789	0.038	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.076	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.014	mg/kg	
85-01-8	Phenanthrene	2.05	0.038	0.013	mg/kg	
129-00-0	Pyrene	2.26	0.038	0.012	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0096	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	66%		23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-2 (9-10)	
Lab Sample ID: JC44350-4	Date Sampled: 05/30/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 88.0
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	73%		27-114%
118-79-6	2,4,6-Tribromophenol	37%		19-152%
4165-60-0	Nitrobenzene-d5	78%		26-134%
321-60-8	2-Fluorobiphenyl	85%		39-124%
1718-51-0	Terphenyl-d14	91%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.59	88	mg/kg	J
	unknown	5.49	.99	mg/kg	J
90-12-0	Naphthalene, 1-methyl-	6.28	1.2	mg/kg	JN
	Naphthalene dimethyl	6.72	1.1	mg/kg	J
	Naphthalene dimethyl	6.79	1.6	mg/kg	J
	unknown	6.83	1.7	mg/kg	J
	Naphthalene trimethyl	7.32	1.3	mg/kg	J
	Naphthalene trimethyl	7.37	1.3	mg/kg	J
	alkane	7.86	1.6	mg/kg	J
	alkane	8.23	5.7	mg/kg	J
613-33-2	4,4'-Dimethylbiphenyl	8.49	1.7	mg/kg	JN
	unknown	8.54	1.2	mg/kg	J
	alkane	8.90	1.3	mg/kg	J
	alkane	8.95	2.6	mg/kg	J
	Phenanthrene methyl	9.90	1.1	mg/kg	J
	Phenanthrene methyl	9.95	2.6	mg/kg	J
	Phenanthrene methyl	10.09	1.4	mg/kg	J
	Phenanthrene methyl	10.14	1.3	mg/kg	J
	alkane	10.43	.99	mg/kg	J
	Phenanthrene dimethyl	10.96	2	mg/kg	J
	Phenanthrene dimethyl	11.02	1.3	mg/kg	J
	unknown	16.11	1.3	mg/kg	J
	unknown PAH substance	17.22	1.9	mg/kg	J
	unknown	18.53	1.3	mg/kg	J
	unknown	18.99	.96	mg/kg	J
	unknown	19.08	1.5	mg/kg	J
	Total TIC, Semi-Volatile		40.94	mg/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-2 (9-10)		
Lab Sample ID: JC44350-4		Date Sampled: 05/30/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8081B SW846 3546		Percent Solids: 88.0
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6573.D	1	06/15/17 05:23	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00069	0.00033	mg/kg	
319-84-6	alpha-BHC	ND	0.00069	0.00037	mg/kg	
319-85-7	beta-BHC	ND	0.00069	0.00044	mg/kg	
319-86-8	delta-BHC	ND	0.00069	0.00031	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00069	0.00031	mg/kg	
5103-71-9	alpha-Chlordane	0.0028	0.00069	0.00033	mg/kg	
5103-74-2	gamma-Chlordane ^a	0.0035	0.00069	0.00031	mg/kg	
60-57-1	Dieldrin	ND	0.00069	0.00035	mg/kg	
72-54-8	4,4'-DDD ^a	0.0048	0.00069	0.00044	mg/kg	
72-55-9	4,4'-DDE	0.0088	0.00069	0.00036	mg/kg	
50-29-3	4,4'-DDT ^b	0.0213	0.00069	0.00041	mg/kg	
72-20-8	Endrin	ND	0.00069	0.00032	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00069	0.00028	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00069	0.00041	mg/kg	
959-98-8	Endosulfan-I	ND	0.00069	0.00036	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00069	0.00036	mg/kg	
76-44-8	Heptachlor	ND	0.00069	0.00034	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00069	0.00037	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00035	mg/kg	
53494-70-5	Endrin ketone	ND	0.00069	0.00053	mg/kg	
8001-35-2	Toxaphene	ND	0.017	0.0072	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		25-135%
877-09-8	Tetrachloro-m-xylene	87%		25-135%
2051-24-3	Decachlorobiphenyl	67%		10-156%
2051-24-3	Decachlorobiphenyl	143%		10-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-2 (9-10)	Date Sampled: 05/30/17
Lab Sample ID: JC44350-4	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 88.0
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170856.D	1	06/06/17 13:54	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.027	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.021	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.020	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.025	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.015	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		24-152%
877-09-8	Tetrachloro-m-xylene	74%		24-152%
2051-24-3	Decachlorobiphenyl	121%		10-166%
2051-24-3	Decachlorobiphenyl	187% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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4

Report of Analysis

Client Sample ID: SB-2 (9-10) Lab Sample ID: JC44350-4 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: 88.0
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	4940	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	22.6	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Barium	133	23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.35	0.23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	0.74	0.57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	25000	570	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	15.9	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	< 5.7	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Copper	70.7	2.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Iron	13300	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Lead	313	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	2850	570	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	219	1.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.22	0.034	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ³
Nickel	20.3	4.5	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.57	0.57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	19.2	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	187	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA42158

(2) Instrument QC Batch: MA42207

(3) Prep QC Batch: MP1229

(4) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID: SB-3 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-5		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 92.2
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3V35707.D	1	06/09/17 13:58	TDN	n/a	n/a	V3V1430
Run #2							

Run #1	Initial Weight
Run #1	4.8 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0114	0.011	0.0056	mg/kg	
71-43-2	Benzene	0.00037	0.00056	0.00014	mg/kg	J
74-97-5	Bromochloromethane	ND	0.0056	0.00036	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0023	0.00017	mg/kg	
75-25-2	Bromoform	ND	0.0056	0.00030	mg/kg	
74-83-9	Bromomethane	ND	0.0056	0.00055	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0020	mg/kg	
75-15-0	Carbon disulfide	ND	0.0023	0.00019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0023	0.00019	mg/kg	
108-90-7	Chlorobenzene	ND	0.0023	0.00018	mg/kg	
75-00-3	Chloroethane	ND	0.0056	0.00048	mg/kg	
67-66-3	Chloroform	0.0029	0.0023	0.00027	mg/kg	
74-87-3	Chloromethane	ND	0.0056	0.00024	mg/kg	
110-82-7	Cyclohexane	ND	0.0023	0.00062	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0023	0.00055	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0023	0.00017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00027	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00019	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00017	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0056	0.00062	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00049	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00018	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0023	0.00035	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0023	0.00022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0023	0.00025	mg/kg	
100-41-4	Ethylbenzene	ND	0.0011	0.00017	mg/kg	
76-13-1	Freon 113	ND	0.0056	0.00055	mg/kg	
591-78-6	2-Hexanone	ND	0.0056	0.0016	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-3 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-5		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 92.2
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0023	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0056	0.0023	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0023	0.00057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0056	0.00096	mg/kg	
75-09-2	Methylene chloride	ND	0.0056	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0023	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0023	0.00027	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0023	0.00032	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0023	0.00019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0023	0.00036	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0056	0.00071	mg/kg	
75-01-4	Vinyl chloride	ND	0.0023	0.00023	mg/kg	
	m,p-Xylene	ND	0.0011	0.00025	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00023	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		72-129%
17060-07-0	1,2-Dichloroethane-D4	93%		73-132%
2037-26-5	Toluene-D8	92%		80-120%
460-00-4	4-Bromofluorobenzene	93%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.21	.39	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-3 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-5		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 92.2
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95431.D	1	06/12/17 16:40	SB	06/04/17	OP3418	E2M4232
Run #2	2M95494.D	5	06/14/17 05:55	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	32.5 g	1.0 ml
Run #2	32.5 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.067	0.016	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.17	0.020	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.17	0.028	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.17	0.059	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.17	0.13	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.17	0.036	mg/kg	
95-48-7	2-Methylphenol	ND	0.067	0.021	mg/kg	
	3&4-Methylphenol	0.0436	0.067	0.027	mg/kg	J
88-75-5	2-Nitrophenol	ND	0.17	0.022	mg/kg	
100-02-7	4-Nitrophenol	ND	0.33	0.089	mg/kg	
87-86-5	Pentachlorophenol	ND	0.13	0.031	mg/kg	
108-95-2	Phenol	ND	0.067	0.017	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.17	0.022	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.17	0.025	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.17	0.020	mg/kg	
83-32-9	Acenaphthene	0.410	0.033	0.012	mg/kg	
208-96-8	Acenaphthylene	0.310	0.033	0.017	mg/kg	
98-86-2	Acetophenone	ND	0.17	0.0072	mg/kg	
120-12-7	Anthracene	1.54	0.033	0.020	mg/kg	
1912-24-9	Atrazine	ND	0.067	0.014	mg/kg	
56-55-3	Benzo(a)anthracene	4.35 ^a	0.17	0.047	mg/kg	
50-32-8	Benzo(a)pyrene	4.47 ^a	0.17	0.076	mg/kg	
205-99-2	Benzo(b)fluoranthene	4.93 ^a	0.17	0.074	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.11	0.033	0.017	mg/kg	
207-08-9	Benzo(k)fluoranthene	2.23	0.033	0.016	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.067	0.013	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.067	0.0081	mg/kg	
92-52-4	1,1'-Biphenyl	0.0463	0.067	0.0046	mg/kg	J
100-52-7	Benzaldehyde	0.0187	0.17	0.0083	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.067	0.0079	mg/kg	
106-47-8	4-Chloroaniline	ND	0.17	0.012	mg/kg	
86-74-8	Carbazole	0.498	0.067	0.0048	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (2-3)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-5	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	92.2
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.067	0.013	mg/kg	
218-01-9	Chrysene	4.23 ^a	0.17	0.053	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.067	0.0071	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.067	0.014	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.067	0.012	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.067	0.011	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.033	0.010	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.033	0.017	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.067	0.028	mg/kg	
123-91-1	1,4-Dioxane	ND	0.033	0.022	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.758	0.033	0.015	mg/kg	
132-64-9	Dibenzofuran	0.268	0.067	0.014	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.067	0.0054	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.067	0.0083	mg/kg	
84-66-2	Diethyl phthalate	ND	0.067	0.0071	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.067	0.0059	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.067	0.0078	mg/kg	
206-44-0	Fluoranthene	9.77 ^a	0.17	0.074	mg/kg	
86-73-7	Fluorene	0.355	0.033	0.015	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.067	0.0084	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.033	0.013	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.33	0.013	mg/kg	
67-72-1	Hexachloroethane	ND	0.17	0.017	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	3.33	0.033	0.016	mg/kg	
78-59-1	Isophorone	ND	0.067	0.0071	mg/kg	
91-57-6	2-Methylnaphthalene	0.122	0.067	0.0075	mg/kg	
88-74-4	2-Nitroaniline	ND	0.17	0.0079	mg/kg	
99-09-2	3-Nitroaniline	ND	0.17	0.0083	mg/kg	
100-01-6	4-Nitroaniline	ND	0.17	0.0086	mg/kg	
91-20-3	Naphthalene	0.271	0.033	0.0094	mg/kg	
98-95-3	Nitrobenzene	ND	0.067	0.013	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.067	0.0096	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.17	0.012	mg/kg	
85-01-8	Phenanthrene	6.10 ^a	0.17	0.056	mg/kg	
129-00-0	Pyrene	8.69 ^a	0.17	0.053	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.17	0.0085	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	84%	72%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-5		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 92.2
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	88%	77%	27-114%
118-79-6	2,4,6-Tribromophenol	89%	78%	19-152%
4165-60-0	Nitrobenzene-d5	71%	61%	26-134%
321-60-8	2-Fluorobiphenyl	82%	71%	39-124%
1718-51-0	Terphenyl-d14	92%	78%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.99	.76	mg/kg	J
	system artifact	3.10	1.5	mg/kg	J
	system artifact/aldol-condensation	3.51	22	mg/kg	J
	alkane	9.39	.36	mg/kg	J
486-25-9	9H-Fluoren-9-one	9.82	.35	mg/kg	JN
132-65-0	Dibenzothiophene	9.96	.35	mg/kg	JN
	Phenanthrene methyl	10.92	.87	mg/kg	J
	Phenanthrene methyl	10.96	1.2	mg/kg	J
	Anthracene methyl	11.03	.4	mg/kg	J
	unknown	11.08	1.5	mg/kg	J
	Anthracene methyl	11.12	.87	mg/kg	J
	Phenylnaphthalene	11.40	1.5	mg/kg	J
	Phenanthrene dimethyl	11.79	.74	mg/kg	J
	unknown	11.84	.46	mg/kg	J
5737-13-3	Cyclopenta(def)phenanthrenone	11.90	.58	mg/kg	JN
	unknown PAH substance	12.17	.4	mg/kg	J
	Pyrene methyl	12.92	.33	mg/kg	J
	unknown	15.43	.35	mg/kg	J
	unknown PAH substance	16.05	1.2	mg/kg	J
	unknown	16.20	.7	mg/kg	J
	unknown PAH substance	16.29	3.8	mg/kg	J
	unknown	16.64	.47	mg/kg	J
	unknown	16.80	.36	mg/kg	J
	unknown	17.04	.32	mg/kg	J
	unknown PAH substance	17.86	.98	mg/kg	J
	unknown PAH substance	18.23	.64	mg/kg	J
	unknown PAH substance	18.29	.55	mg/kg	J
	unknown PAH substance	18.72	.71	mg/kg	J
	Total TIC, Semi-Volatile		19.99	mg/kg	J

- (a) Result is from Run# 2
- (b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-3 (2-3)		
Lab Sample ID: JC44350-5		Date Sampled: 05/31/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8081B SW846 3546		Percent Solids: 92.2
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6574.D	1	06/15/17 05:38	RK	06/04/17	OP3424	G8G189
Run #2							

Run #	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00071	0.00034	mg/kg	
319-84-6	alpha-BHC	ND	0.00071	0.00038	mg/kg	
319-85-7	beta-BHC	ND	0.00071	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00071	0.00032	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00071	0.00031	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00071	0.00034	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00071	0.00031	mg/kg	
60-57-1	Dieldrin	ND	0.00071	0.00035	mg/kg	
72-54-8	4,4' -DDD	ND	0.00071	0.00045	mg/kg	
72-55-9	4,4' -DDE	ND	0.00071	0.00037	mg/kg	
50-29-3	4,4' -DDT	ND	0.00071	0.00042	mg/kg	
72-20-8	Endrin	ND	0.00071	0.00033	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00071	0.00028	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00071	0.00042	mg/kg	
959-98-8	Endosulfan-I	ND	0.00071	0.00037	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00071	0.00037	mg/kg	
76-44-8	Heptachlor	ND	0.00071	0.00035	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00071	0.00038	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00035	mg/kg	
53494-70-5	Endrin ketone	ND	0.00071	0.00055	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.0074	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		25-135%
877-09-8	Tetrachloro-m-xylene	70%		25-135%
2051-24-3	Decachlorobiphenyl	43%		10-156%
2051-24-3	Decachlorobiphenyl	314% ^a		10-156%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3 (2-3)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-5	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 92.2
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170857.D	1	06/06/17 14:19	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.035	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.035	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.035	0.021	mg/kg	
53469-21-9	Aroclor 1242	ND	0.035	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.035	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.035	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.035	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.035	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.035	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	87%		24-152%
877-09-8	Tetrachloro-m-xylene	88%		24-152%
2051-24-3	Decachlorobiphenyl	238% ^a		10-166%
2051-24-3	Decachlorobiphenyl	268% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-3 (2-3) Lab Sample ID: JC44350-5 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 92.2
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	4250	54	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	9.3	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	127	22	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.30	0.22	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	0.62	0.54	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	54500	1100	mg/kg	2	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Chromium	11.4	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	< 5.4	5.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	66.4	2.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	17000	54	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Lead	327	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Magnesium	2310	540	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	222	1.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	0.22	0.032	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	18.6	4.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.2	2.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.54	0.54	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	16.4	5.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	343	5.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID: SB-3 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-6		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 83.1
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E245187.D	1	06/06/17 18:38	TDN	n/a	n/a	VE10556
Run #2							

Run	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.1 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.3	0.64	mg/kg	
71-43-2	Benzene	0.352	0.064	0.015	mg/kg	
74-97-5	Bromochloromethane	ND	0.64	0.041	mg/kg	
75-27-4	Bromodichloromethane	ND	0.26	0.019	mg/kg	
75-25-2	Bromoform	ND	0.64	0.034	mg/kg	
74-83-9	Bromomethane	ND	0.64	0.062	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.3	0.23	mg/kg	
75-15-0	Carbon disulfide ^b	ND	0.26	0.022	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.26	0.021	mg/kg	
108-90-7	Chlorobenzene	ND	0.26	0.021	mg/kg	
75-00-3	Chloroethane	ND	0.64	0.055	mg/kg	
67-66-3	Chloroform	ND	0.26	0.030	mg/kg	
74-87-3	Chloromethane	ND	0.64	0.027	mg/kg	
110-82-7	Cyclohexane	ND	0.26	0.070	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.26	0.062	mg/kg	
124-48-1	Dibromochloromethane	ND	0.26	0.019	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.13	0.031	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.13	0.022	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.13	0.018	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.13	0.020	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.64	0.070	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.13	0.024	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.13	0.022	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.13	0.020	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.13	0.056	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.13	0.020	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.26	0.040	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.26	0.025	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.26	0.028	mg/kg	
100-41-4	Ethylbenzene	0.211	0.13	0.019	mg/kg	
76-13-1	Freon 113	ND	0.64	0.062	mg/kg	
591-78-6	2-Hexanone	ND	0.64	0.18	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3 (8-9)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-6	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	83.1
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.0296	0.26	0.020	mg/kg	J
79-20-9	Methyl Acetate	ND	0.64	0.26	mg/kg	
108-87-2	Methylcyclohexane	ND	0.26	0.065	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.13	0.034	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.64	0.11	mg/kg	
75-09-2	Methylene chloride	ND	0.64	0.13	mg/kg	
100-42-5	Styrene	ND	0.26	0.019	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.26	0.031	mg/kg	
127-18-4	Tetrachloroethene	ND	0.26	0.036	mg/kg	
108-88-3	Toluene	0.405	0.13	0.016	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.64	0.064	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.64	0.064	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.26	0.021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.26	0.041	mg/kg	
79-01-6	Trichloroethene	ND	0.13	0.024	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.64	0.081	mg/kg	
75-01-4	Vinyl chloride	ND	0.26	0.026	mg/kg	
	m,p-Xylene	0.500	0.13	0.028	mg/kg	
95-47-6	o-Xylene	0.0726	0.13	0.026	mg/kg	J
1330-20-7	Xylene (total)	0.573	0.13	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		72-129%
17060-07-0	1,2-Dichloroethane-D4	100%		73-132%
2037-26-5	Toluene-D8	96%		80-120%
460-00-4	4-Bromofluorobenzene	93%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Naphthalene decahydro-methyl	18.14	4.4	mg/kg	J
	Naphthalene decahydro-methyl	18.38	7.1	mg/kg	J
	1H-Indene-dihydro-dimethyl-isomer	18.47	3.7	mg/kg	J
	Naphthalene, decahydro-dimethyl- isomer	18.81	4.4	mg/kg	J
180-43-8	Spiro[5.5]undecane	19.12	3.2	mg/kg	JN
	alkene	19.37	3.1	mg/kg	J
	1H-Indene-dihydro-trimethyl-isomer	19.48	5.3	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	19.66	8.6	mg/kg	J
	unknown	19.70	3.2	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	19.77	8.9	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3 (8-9) Lab Sample ID: JC44350-6 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 83.1
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C6 alkyl benzene	19.97	3.2	mg/kg	J
	C6 alkyl benzene	20.14	7.2	mg/kg	J
	unknown	20.51	3.3	mg/kg	J
	alkane	20.69	3.7	mg/kg	J
	Naphthalene, tetrahydro-propyl-isomer	21.19	3.1	mg/kg	J
	Total TIC, Volatile		72.4	mg/kg	J

- (a) Dilution required due to matrix interference.
- (b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: SB-3 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-6		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 83.1
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95432.D	1	06/12/17 17:07	SB	06/04/17	OP3418	E2M4232
Run #2	2M95496.D	5	06/14/17 06:48	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.079	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.070	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.079	0.025	mg/kg	
	3&4-Methylphenol	ND	0.079	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.026	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.037	mg/kg	
108-95-2	Phenol	ND	0.079	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.026	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	1.51	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	0.603	0.040	0.020	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0085	mg/kg	
120-12-7	Anthracene	2.61	0.040	0.024	mg/kg	
1912-24-9	Atrazine	ND	0.079	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	3.26	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	2.97	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	3.48	0.040	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	2.44	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.14	0.040	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.079	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.079	0.0097	mg/kg	
92-52-4	1,1'-Biphenyl	0.126	0.079	0.0054	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0098	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.079	0.0094	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.014	mg/kg	
86-74-8	Carbazole	0.489	0.079	0.0057	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3 (8-9)	
Lab Sample ID: JC44350-6	Date Sampled: 05/31/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 83.1
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.079	0.016	mg/kg	
218-01-9	Chrysene	3.68	0.040	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.079	0.0085	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.079	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^a	ND	0.079	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.079	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.079	0.033	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.026	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.617	0.040	0.017	mg/kg	
132-64-9	Dibenzofuran	0.342	0.079	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.079	0.0065	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.079	0.0099	mg/kg	
84-66-2	Diethyl phthalate	ND	0.079	0.0084	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.079	0.0070	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.306	0.079	0.0093	mg/kg	
206-44-0	Fluoranthene	6.53 ^b	0.20	0.088	mg/kg	
86-73-7	Fluorene	1.05	0.040	0.018	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.079	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	2.49	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.079	0.0085	mg/kg	
91-57-6	2-Methylnaphthalene	1.72	0.079	0.0089	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0093	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.0099	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	0.823	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.079	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.079	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.014	mg/kg	
85-01-8	Phenanthrene	3.86 ^b	0.20	0.067	mg/kg	
129-00-0	Pyrene	7.10 ^b	0.20	0.063	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	74%	66%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-6		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 83.1
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6575.D	1	06/15/17 05:53	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00078	0.00037	mg/kg	
319-84-6	alpha-BHC	ND	0.00078	0.00042	mg/kg	
319-85-7	beta-BHC	ND	0.00078	0.00049	mg/kg	
319-86-8	delta-BHC	ND	0.00078	0.00035	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00078	0.00035	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00078	0.00037	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00078	0.00034	mg/kg	
60-57-1	Dieldrin	ND	0.00078	0.00039	mg/kg	
72-54-8	4,4' -DDD	ND	0.00078	0.00050	mg/kg	
72-55-9	4,4' -DDE	ND	0.00078	0.00041	mg/kg	
50-29-3	4,4' -DDT	ND	0.00078	0.00046	mg/kg	
72-20-8	Endrin	ND	0.00078	0.00037	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00078	0.00031	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00078	0.00046	mg/kg	
959-98-8	Endosulfan-I	ND	0.00078	0.00041	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00078	0.00041	mg/kg	
76-44-8	Heptachlor	ND	0.00078	0.00038	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00078	0.00042	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00078	0.00060	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.0081	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	66%		25-135%
877-09-8	Tetrachloro-m-xylene	91%		25-135%
2051-24-3	Decachlorobiphenyl	49%		10-156%
2051-24-3	Decachlorobiphenyl	216% ^a		10-156%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: SB-3 (8-9)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-6	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 83.1
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170858.D	1	06/06/17 14:45	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.4 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.039	0.031	mg/kg	
11104-28-2	Aroclor 1221	ND	0.039	0.017	mg/kg	
11141-16-5	Aroclor 1232	ND	0.039	0.024	mg/kg	
53469-21-9	Aroclor 1242	ND	0.039	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.039	0.023	mg/kg	
11097-69-1	Aroclor 1254	ND	0.039	0.018	mg/kg	
11096-82-5	Aroclor 1260	ND	0.039	0.028	mg/kg	
11100-14-4	Aroclor 1268	ND	0.039	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.039	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		24-152%
877-09-8	Tetrachloro-m-xylene	79%		24-152%
2051-24-3	Decachlorobiphenyl	162%		10-166%
2051-24-3	Decachlorobiphenyl	186% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: SB-3 (8-9) Lab Sample ID: JC44350-6 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 83.1
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5330	60	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.4	2.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	6.7	2.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	70.6	24	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.30	0.24	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	< 0.60	0.60	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	105000	3000	mg/kg	5	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Chromium	11.1	1.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	< 6.0	6.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	23.5	3.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	11800	60	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Lead	261	2.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Magnesium	2350	600	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	303	1.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	0.74	0.037	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	13.9	4.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	< 1200	1200	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.4	2.4	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.60	0.60	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1200	1200	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.2	1.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	13.4	6.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	140	6.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

4.6
4

Report of Analysis

Client Sample ID: SB-3D (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-7		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 91.9
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0024	0.00019	mg/kg	
79-20-9	Methyl Acetate	ND	0.0060	0.0025	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0024	0.00061	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0012	0.00032	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0060	0.0010	mg/kg	
75-09-2	Methylene chloride	ND	0.0060	0.0012	mg/kg	
100-42-5	Styrene	ND	0.0024	0.00018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0024	0.00029	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0024	0.00034	mg/kg	
108-88-3	Toluene	0.00022	0.0012	0.00015	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0060	0.00060	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0060	0.00060	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0024	0.00020	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0024	0.00039	mg/kg	
79-01-6	Trichloroethene	ND	0.0012	0.00023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0060	0.00076	mg/kg	
75-01-4	Vinyl chloride	ND	0.0024	0.00024	mg/kg	
	m,p-Xylene	ND	0.0012	0.00026	mg/kg	
95-47-6	o-Xylene	ND	0.0012	0.00024	mg/kg	
1330-20-7	Xylene (total)	ND	0.0012	0.00024	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	92%		72-129%
17060-07-0	1,2-Dichloroethane-D4	110%		73-132%
2037-26-5	Toluene-D8	93%		80-120%
460-00-4	4-Bromofluorobenzene	93%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.21	.53	mg/kg	J
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-3D (2-3)	
Lab Sample ID: JC44350-7	Date Sampled: 05/31/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 91.9
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95433.D	1	06/12/17 17:34	SB	06/04/17	OP3418	E2M4232
Run #2	2M95497.D	5	06/14/17 07:15	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.072	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.13	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.038	mg/kg	
95-48-7	2-Methylphenol	ND	0.072	0.023	mg/kg	
	3&4-Methylphenol	0.0718	0.072	0.029	mg/kg	J
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.096	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.034	mg/kg	
108-95-2	Phenol	0.0416	0.072	0.019	mg/kg	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.021	mg/kg	
83-32-9	Acenaphthene	0.678	0.036	0.012	mg/kg	
208-96-8	Acenaphthylene	0.639	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0077	mg/kg	
120-12-7	Anthracene	2.01	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.072	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	5.80 ^a	0.18	0.051	mg/kg	
50-32-8	Benzo(a)pyrene	6.35 ^a	0.18	0.081	mg/kg	
205-99-2	Benzo(b)fluoranthene	7.13 ^a	0.18	0.079	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.98 ^a	0.18	0.089	mg/kg	
207-08-9	Benzo(k)fluoranthene	2.35	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.072	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.072	0.0087	mg/kg	
92-52-4	1,1'-Biphenyl	0.0689	0.072	0.0049	mg/kg	J
100-52-7	Benzaldehyde	ND	0.18	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.072	0.0085	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.809	0.072	0.0052	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3D (2-3)	
Lab Sample ID: JC44350-7	Date Sampled: 05/31/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8270D SW846 3546	Percent Solids: 91.9
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.072	0.014	mg/kg	
218-01-9	Chrysene	5.69 ^a	0.18	0.056	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.072	0.0077	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.072	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.072	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.072	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.072	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.08	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	0.417	0.072	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.072	0.0058	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.072	0.0089	mg/kg	
84-66-2	Diethyl phthalate	ND	0.072	0.0076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.072	0.0064	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.072	0.0084	mg/kg	
206-44-0	Fluoranthene	13.0 ^a	0.18	0.080	mg/kg	
86-73-7	Fluorene	0.642	0.036	0.016	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.072	0.0091	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.19 ^a	0.18	0.084	mg/kg	
78-59-1	Isophorone	ND	0.072	0.0077	mg/kg	
91-57-6	2-Methylnaphthalene	0.212	0.072	0.0081	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0084	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0089	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0093	mg/kg	
91-20-3	Naphthalene	0.463	0.036	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.072	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.072	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	9.13 ^a	0.18	0.060	mg/kg	
129-00-0	Pyrene	12.2 ^a	0.18	0.057	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0091	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	78%	69%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-3D (2-3)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-7	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	91.9
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	89%	77%	27-114%
118-79-6	2,4,6-Tribromophenol	92%	78%	19-152%
4165-60-0	Nitrobenzene-d5	68%	59%	26-134%
321-60-8	2-Fluorobiphenyl	83%	73%	39-124%
1718-51-0	Terphenyl-d14	95%	83%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.00	1.7	mg/kg	J
	system artifact	3.10	2.6	mg/kg	J
	system artifact/aldol-condensation	3.52	27	mg/kg	J
	unknown	8.96	.36	mg/kg	J
	unknown	9.76	.33	mg/kg	J
486-25-9	9H-Fluoren-9-one	9.83	.75	mg/kg	JN
	unknown	9.92	.31	mg/kg	J
	Naphtho[-b]thiophene	9.96	.56	mg/kg	J
	alkane	10.76	.42	mg/kg	J
	Phenanthrene methyl	10.92	1.4	mg/kg	J
	Phenanthrene methyl	10.97	1.7	mg/kg	J
	Phenanthrene methyl	11.04	.53	mg/kg	J
	unknown	11.08	2.2	mg/kg	J
	Phenanthrene methyl	11.13	1.4	mg/kg	J
	unknown	11.42	2.3	mg/kg	J
	Phenanthrene dimethyl	11.64	.51	mg/kg	J
	Phenanthrene dimethyl	11.81	1.2	mg/kg	J
	Phenanthrene dimethyl	11.85	.48	mg/kg	J
	unknown	11.92	.64	mg/kg	J
	unknown PAH substance	12.18	.85	mg/kg	J
	unknown	13.97	.36	mg/kg	J
	unknown PAH substance	16.06	1.9	mg/kg	J
	unknown PAH substance	16.30	5	mg/kg	J
	unknown PAH substance	16.65	.35	mg/kg	J
	unknown PAH substance	17.87	1.5	mg/kg	J
	unknown PAH substance	18.25	.95	mg/kg	J
	unknown PAH substance	18.31	1	mg/kg	J
	unknown PAH substance	18.75	1.1	mg/kg	J
	Total TIC, Semi-Volatile		28.1	mg/kg	J

(a) Result is from Run# 2

(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-3D (2-3) Lab Sample ID: JC44350-7 Matrix: SO - Soil Method: SW846 8081B SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 91.9
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Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-3D (2-3)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-7	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 91.9
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170859.D	1	06/06/17 15:10	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.034	0.027	mg/kg	
11104-28-2	Aroclor 1221	ND	0.034	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.034	0.020	mg/kg	
53469-21-9	Aroclor 1242	ND	0.034	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.034	0.020	mg/kg	
11097-69-1	Aroclor 1254	ND	0.034	0.015	mg/kg	
11096-82-5	Aroclor 1260	ND	0.034	0.025	mg/kg	
11100-14-4	Aroclor 1268	ND	0.034	0.015	mg/kg	
37324-23-5	Aroclor 1262	ND	0.034	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		24-152%
877-09-8	Tetrachloro-m-xylene	105%		24-152%
2051-24-3	Decachlorobiphenyl	362% ^a		10-166%
2051-24-3	Decachlorobiphenyl	427% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-3D (2-3) Lab Sample ID: JC44350-7 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 91.9
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	4660	53	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.1	2.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	7.7	2.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	122	21	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.29	0.21	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	0.67	0.53	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	46900	1100	mg/kg	2	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Chromium	12.4	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	7.8	5.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	31.7	2.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	34200	110	mg/kg	2	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Lead	393	2.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Magnesium	2810	530	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	308	1.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	0.74	0.035	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	26.6	4.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	1170	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.1	2.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.53	0.53	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	15.9	5.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	144	5.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID: SB-4 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-8		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 75.3
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E245142.D	1	06/05/17 11:55	TDN	n/a	n/a	VE10556
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.8 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.5	0.77	mg/kg	
71-43-2	Benzene	0.0682	0.077	0.019	mg/kg	J
74-97-5	Bromochloromethane	ND	0.77	0.049	mg/kg	
75-27-4	Bromodichloromethane	ND	0.31	0.024	mg/kg	
75-25-2	Bromoform	ND	0.77	0.041	mg/kg	
74-83-9	Bromomethane	ND	0.77	0.075	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.5	0.27	mg/kg	
75-15-0	Carbon disulfide	ND	0.31	0.026	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.31	0.026	mg/kg	
108-90-7	Chlorobenzene	ND	0.31	0.025	mg/kg	
75-00-3	Chloroethane	ND	0.77	0.066	mg/kg	
67-66-3	Chloroform	ND	0.31	0.037	mg/kg	
74-87-3	Chloromethane	ND	0.77	0.033	mg/kg	
110-82-7	Cyclohexane	0.160	0.31	0.084	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.31	0.075	mg/kg	
124-48-1	Dibromochloromethane	ND	0.31	0.023	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.15	0.037	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.15	0.026	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.15	0.021	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.15	0.024	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.77	0.084	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.15	0.029	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.15	0.026	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.15	0.024	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.15	0.068	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.15	0.024	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.31	0.048	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.31	0.030	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.31	0.034	mg/kg	
100-41-4	Ethylbenzene	0.0663	0.15	0.023	mg/kg	J
76-13-1	Freon 113	ND	0.77	0.075	mg/kg	
591-78-6	2-Hexanone	ND	0.77	0.22	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-4 (2-3)	
Lab Sample ID: JC44350-8	Date Sampled: 05/31/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8260C	Percent Solids: 75.3
Project: 233-239 Nevins Street, Brooklyn, NY	

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	19.78	25	mg/kg	J
	unknown	20.13	16	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.29	21	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.70	27	mg/kg	J
	Naphthalene, -methyl-isomer	21.02	16	mg/kg	J
	Total TIC, Volatile		390	mg/kg	J

(a) Diluted due to high concentration of non-target compound.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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4

Report of Analysis

Client Sample ID: SB-4 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-8		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 75.3
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95434.D	1	06/12/17 18:01	SB	06/04/17	OP3418	E2M4232
Run #2	M134968.D	2	06/15/17 15:32	SB	06/04/17	OP3418	EM5789
Run #3	2M95491.D	10	06/14/17 04:34	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2	31.8 g	1.0 ml
Run #3	31.8 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.084	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.036	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.074	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.084	0.027	mg/kg	
	3&4-Methylphenol	ND	0.084	0.034	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.028	mg/kg	
100-02-7	4-Nitrophenol	ND	0.42	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.039	mg/kg	
108-95-2	Phenol	ND	0.084	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	2.01 ^a	0.084	0.029	mg/kg	
208-96-8	Acenaphthylene	ND	0.042	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0090	mg/kg	
120-12-7	Anthracene	2.03 ^a	0.084	0.051	mg/kg	
1912-24-9	Atrazine	ND	0.084	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	1.31	0.042	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	1.05	0.042	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.13	0.042	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.429	0.042	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.433	0.042	0.020	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.084	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.084	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	0.760	0.084	0.0057	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.084	0.0099	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (2-3)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-8	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	75.3
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	0.474 ^a	0.17	0.012	mg/kg	
105-60-2	Caprolactam	ND	0.084	0.016	mg/kg	
218-01-9	Chrysene	1.51	0.042	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.084	0.0089	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.084	0.018	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.084	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.084	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.042	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.042	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.084	0.035	mg/kg	
123-91-1	1,4-Dioxane	ND	0.042	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.133	0.042	0.018	mg/kg	
132-64-9	Dibenzofuran	1.42 ^a	0.17	0.034	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.084	0.0068	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.084	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.084	0.0089	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.084	0.0074	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	1.21	0.084	0.0098	mg/kg	
206-44-0	Fluoranthene	3.97 ^a	0.084	0.037	mg/kg	
86-73-7	Fluorene	3.87 ^a	0.084	0.038	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.084	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.042	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.42	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.473	0.042	0.020	mg/kg	
78-59-1	Isophorone	ND	0.084	0.0089	mg/kg	
91-57-6	2-Methylnaphthalene	14.8 ^c	0.84	0.094	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.0099	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	2.44 ^a	0.084	0.024	mg/kg	
98-95-3	Nitrobenzene	ND	0.084	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.084	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.015	mg/kg	
85-01-8	Phenanthrene	9.95 ^c	0.42	0.14	mg/kg	
129-00-0	Pyrene	3.47	0.042	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-4 (2-3)		
Lab Sample ID: JC44350-8		Date Sampled: 05/31/17
Matrix: SO - Soil		Date Received: 05/31/17
Method: SW846 8081B SW846 3546		Percent Solids: 75.3
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6577.D	1	06/15/17 06:23	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00081	0.00039	mg/kg	
319-84-6	alpha-BHC	ND	0.00081	0.00044	mg/kg	
319-85-7	beta-BHC	ND	0.00081	0.00051	mg/kg	
319-86-8	delta-BHC	ND	0.00081	0.00037	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00081	0.00036	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00081	0.00039	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00081	0.00036	mg/kg	
60-57-1	Dieldrin	ND	0.00081	0.00041	mg/kg	
72-54-8	4,4'-DDD	ND	0.00081	0.00052	mg/kg	
72-55-9	4,4'-DDE ^a	0.0014	0.00081	0.00042	mg/kg	
50-29-3	4,4'-DDT	ND	0.00081	0.00048	mg/kg	
72-20-8	Endrin	ND	0.00081	0.00038	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00081	0.00033	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00081	0.00048	mg/kg	
959-98-8	Endosulfan-I ^a	0.00055	0.00081	0.00043	mg/kg	J
33213-65-9	Endosulfan-II	ND	0.00081	0.00043	mg/kg	
76-44-8	Heptachlor	ND	0.00081	0.00040	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00081	0.00044	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00041	mg/kg	
53494-70-5	Endrin ketone	ND	0.00081	0.00063	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.0085	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	105%		25-135%
877-09-8	Tetrachloro-m-xylene	69%		25-135%
2051-24-3	Decachlorobiphenyl	64%		10-156%
2051-24-3	Decachlorobiphenyl	126%		10-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: SB-4 (2-3)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-8	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 75.3
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170860.D	1	06/06/17 15:35	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.041	0.032	mg/kg	
11104-28-2	Aroclor 1221	ND	0.041	0.018	mg/kg	
11141-16-5	Aroclor 1232	ND	0.041	0.025	mg/kg	
53469-21-9	Aroclor 1242	ND	0.041	0.020	mg/kg	
12672-29-6	Aroclor 1248	ND	0.041	0.024	mg/kg	
11097-69-1	Aroclor 1254	ND	0.041	0.019	mg/kg	
11096-82-5	Aroclor 1260	ND	0.041	0.030	mg/kg	
11100-14-4	Aroclor 1268	ND	0.041	0.018	mg/kg	
37324-23-5	Aroclor 1262	ND	0.041	0.021	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	103%		24-152%
877-09-8	Tetrachloro-m-xylene	97%		24-152%
2051-24-3	Decachlorobiphenyl	82%		10-166%
2051-24-3	Decachlorobiphenyl	94%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: SB-4 (2-3) Lab Sample ID: JC44350-8 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 75.3
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	9590	66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.6	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	3.4	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Barium	34.6	26	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.60	0.26	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.66	0.66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	1450	660	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	18.6	1.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	20.8	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Copper	18.7	3.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Iron	13600	66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Lead	13.3	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	3220	660	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	129	2.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	< 0.035	0.035	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ³
Nickel	50.2	5.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	< 1300	1300	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.6	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.66	0.66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	< 1300	1300	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.3	1.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	25.5	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	75.4	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA42158

(2) Instrument QC Batch: MA42207

(3) Prep QC Batch: MP1229

(4) Prep QC Batch: MP1264

RL = Reporting Limit

4.8
4

Report of Analysis

Client Sample ID: SB-4 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-9		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.7
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E245143.D	1	06/05/17 12:24	TDN	n/a	n/a	VE10556
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.8 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.1	0.55	mg/kg	
71-43-2	Benzene	0.606	0.055	0.013	mg/kg	
74-97-5	Bromochloromethane	ND	0.55	0.035	mg/kg	
75-27-4	Bromodichloromethane	ND	0.22	0.017	mg/kg	
75-25-2	Bromoform	ND	0.55	0.029	mg/kg	
74-83-9	Bromomethane	ND	0.55	0.054	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.1	0.20	mg/kg	
75-15-0	Carbon disulfide	ND	0.22	0.019	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.22	0.018	mg/kg	
108-90-7	Chlorobenzene	0.0348	0.22	0.018	mg/kg	J
75-00-3	Chloroethane	ND	0.55	0.048	mg/kg	
67-66-3	Chloroform	ND	0.22	0.026	mg/kg	
74-87-3	Chloromethane	ND	0.55	0.023	mg/kg	
110-82-7	Cyclohexane	0.660	0.22	0.061	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.22	0.054	mg/kg	
124-48-1	Dibromochloromethane	ND	0.22	0.017	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.11	0.027	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.0667	0.11	0.019	mg/kg	J
541-73-1	1,3-Dichlorobenzene	ND	0.11	0.015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.11	0.017	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.55	0.060	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.11	0.021	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.11	0.019	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.11	0.017	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.11	0.049	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.11	0.018	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.22	0.034	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.22	0.022	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.22	0.024	mg/kg	
100-41-4	Ethylbenzene	0.177	0.11	0.017	mg/kg	
76-13-1	Freon 113	ND	0.55	0.054	mg/kg	
591-78-6	2-Hexanone	ND	0.55	0.15	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (8-9)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-9	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	84.7
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.696	0.22	0.017	mg/kg	
79-20-9	Methyl Acetate	0.239	0.55	0.22	mg/kg	J
108-87-2	Methylcyclohexane	3.10	0.22	0.056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.11	0.029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.55	0.094	mg/kg	
75-09-2	Methylene chloride	ND	0.55	0.11	mg/kg	
100-42-5	Styrene	ND	0.22	0.016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.22	0.026	mg/kg	
127-18-4	Tetrachloroethene	ND	0.22	0.031	mg/kg	
108-88-3	Toluene	0.0453	0.11	0.014	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.55	0.055	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.55	0.055	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.22	0.019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.22	0.036	mg/kg	
79-01-6	Trichloroethene	ND	0.11	0.021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.55	0.070	mg/kg	
75-01-4	Vinyl chloride	ND	0.22	0.022	mg/kg	
	m,p-Xylene	0.227	0.11	0.024	mg/kg	
95-47-6	o-Xylene	0.0578	0.11	0.022	mg/kg	J
1330-20-7	Xylene (total)	0.285	0.11	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-129%
17060-07-0	1,2-Dichloroethane-D4	103%		73-132%
2037-26-5	Toluene-D8	100%		80-120%
460-00-4	4-Bromofluorobenzene	95%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkyl-substituted cyclohexane	16.78	11	mg/kg	J
	C4 alkyl benzene	17.68	12	mg/kg	J
	C4 alky benzene	18.14	12	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.55	10	mg/kg	J
	C4 alkyl benzene	18.70	13	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.75	13	mg/kg	J
	C5 alkyl benzene	19.08	14	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.29	10	mg/kg	J
	C6 alkyl benzene	19.46	8.3	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	19.66	15	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-4 (8-9) Lab Sample ID: JC44350-9 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 84.7
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	19.78	14	mg/kg	J
	C6 alkyl benzene	20.14	9	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.28	13	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.70	19	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.90	11	mg/kg	J
	Total TIC, Volatile		184.3	mg/kg	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.9
4

Report of Analysis

Client Sample ID: SB-4 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-9		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.7
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95435.D	1	06/12/17 18:28	SB	06/04/17	OP3418	E2M4232
Run #2	M134969.D	2	06/15/17 16:03	SB	06/04/17	OP3418	EM5789
Run #3	2M95495.D	5	06/14/17 06:21	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2	30.2 g	1.0 ml
Run #3	30.2 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.078	0.019	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.033	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.070	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.042	mg/kg	
95-48-7	2-Methylphenol	ND	0.078	0.025	mg/kg	
	3&4-Methylphenol	0.141	0.078	0.032	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.026	mg/kg	
100-02-7	4-Nitrophenol	ND	0.39	0.10	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.037	mg/kg	
108-95-2	Phenol	ND	0.078	0.020	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.026	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.029	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.023	mg/kg	
83-32-9	Acenaphthene	2.54 ^a	0.078	0.027	mg/kg	
208-96-8	Acenaphthylene	ND	0.039	0.020	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0084	mg/kg	
120-12-7	Anthracene	2.43 ^a	0.078	0.048	mg/kg	
1912-24-9	Atrazine	ND	0.078	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	1.97	0.039	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	2.04	0.039	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	2.29	0.039	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.03	0.039	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.774	0.039	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.078	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.078	0.0095	mg/kg	
92-52-4	1,1'-Biphenyl	0.311	0.078	0.0054	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.0097	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.078	0.0093	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-4 (8-9)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-9	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	84.7
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline	ND	0.20	0.014	mg/kg	
86-74-8	Carbazole	0.632 ^a	0.16	0.011	mg/kg	
105-60-2	Caprolactam	ND	0.078	0.015	mg/kg	
218-01-9	Chrysene	2.05	0.039	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.078	0.0084	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.078	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.078	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.078	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.039	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.039	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.078	0.033	mg/kg	
123-91-1	1,4-Dioxane	ND	0.039	0.026	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.282	0.039	0.017	mg/kg	
132-64-9	Dibenzofuran	2.65 ^a	0.16	0.032	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.078	0.0064	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.078	0.0097	mg/kg	
84-66-2	Diethyl phthalate	ND	0.078	0.0083	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.078	0.0070	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.166	0.078	0.0091	mg/kg	
206-44-0	Fluoranthene	4.38 ^a	0.078	0.035	mg/kg	
86-73-7	Fluorene	4.27 ^a	0.078	0.036	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.078	0.0099	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.039	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.39	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.019	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.14	0.039	0.018	mg/kg	
78-59-1	Isophorone	ND	0.078	0.0084	mg/kg	
91-57-6	2-Methylnaphthalene	10.7 ^c	0.39	0.044	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0092	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.0098	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	2.42 ^a	0.078	0.022	mg/kg	
98-95-3	Nitrobenzene	ND	0.078	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.078	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.014	mg/kg	
85-01-8	Phenanthrene	12.8 ^c	0.20	0.066	mg/kg	
129-00-0	Pyrene	3.67	0.039	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.0099	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-4 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-9		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.7
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	90%	76%	69%	23-115%
4165-62-2	Phenol-d5	95%	73%	78%	27-114%
118-79-6	2,4,6-Tribromophenol	140%	76%	92%	19-152%
4165-60-0	Nitrobenzene-d5	176% ^d	95%	94%	26-134%
321-60-8	2-Fluorobiphenyl	72%	82%	74%	39-124%
1718-51-0	Terphenyl-d14	92%	86%	78%	36-134%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	5.32	2.8	mg/kg	J
	C4 alkyl benzene	5.38	2.7	mg/kg	J
	unknown	5.50	2.4	mg/kg	J
	unknown	5.55	1.7	mg/kg	J
	unknown	5.61	4.2	mg/kg	J
	unknown	5.69	1.6	mg/kg	J
	unknown	5.73	1.5	mg/kg	J
	alkane	5.94	2.1	mg/kg	J
	unknown	6.17	1.7	mg/kg	J
	1H-Indene-dihydro-dimethyl	6.27	1.5	mg/kg	J
	alkane	6.34	3.7	mg/kg	J
	Naphthalene tetrahydro-dimethyl	6.78	1.5	mg/kg	J
	unknown	6.90	2.1	mg/kg	J
	Naphthalene dimethyl	7.44	3.6	mg/kg	J
	Naphthalene dimethyl	7.54	2.5	mg/kg	J
	alkane	7.69	6.9	mg/kg	J
	unknown	7.81	1.4	mg/kg	J
	unknown	8.16	3.3	mg/kg	J
	Naphthalene trimethyl	8.36	2.9	mg/kg	J
	Naphthalene trimethyl	8.44	1.9	mg/kg	J
	Naphthalene trimethyl	8.59	3	mg/kg	J
	unknown	8.87	4.2	mg/kg	J
	alkane	9.05	4.7	mg/kg	J
	alkane	9.47	2.7	mg/kg	J
	unknown PAH substance	16.29	1.6	mg/kg	J
	Total TIC, Semi-Volatile		68.2	mg/kg	J

- (a) Result is from Run# 2
- (b) This compound in BS is outside in house QC limits bias high.
- (c) Result is from Run# 3
- (d) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-4 (8-9)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-9		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.7
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6578.D	1	06/15/17 06:38	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00076	0.00036	mg/kg	
319-84-6	alpha-BHC	ND	0.00076	0.00041	mg/kg	
319-85-7	beta-BHC	ND	0.00076	0.00048	mg/kg	
319-86-8	delta-BHC	ND	0.00076	0.00034	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00076	0.00033	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00076	0.00036	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00076	0.00033	mg/kg	
60-57-1	Dieldrin	ND	0.00076	0.00038	mg/kg	
72-54-8	4,4'-DDD	ND	0.00076	0.00049	mg/kg	
72-55-9	4,4'-DDE	ND	0.00076	0.00039	mg/kg	
50-29-3	4,4'-DDT	ND	0.00076	0.00045	mg/kg	
72-20-8	Endrin	ND	0.00076	0.00035	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00076	0.00030	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00076	0.00045	mg/kg	
959-98-8	Endosulfan-I	ND	0.00076	0.00040	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00076	0.00040	mg/kg	
76-44-8	Heptachlor	ND	0.00076	0.00037	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00076	0.00041	mg/kg	
72-43-5	Methoxychlor	ND	0.0015	0.00038	mg/kg	
53494-70-5	Endrin ketone	ND	0.00076	0.00058	mg/kg	
8001-35-2	Toxaphene	ND	0.019	0.0079	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	97%		25-135%
877-09-8	Tetrachloro-m-xylene	89%		25-135%
2051-24-3	Decachlorobiphenyl	73%		10-156%
2051-24-3	Decachlorobiphenyl	138%		10-156%

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-4 (8-9)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-9	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 84.7
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170861.D	1	06/06/17 16:00	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	0.023	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	0.022	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.038	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.038	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	104%		24-152%
877-09-8	Tetrachloro-m-xylene	104%		24-152%
2051-24-3	Decachlorobiphenyl	90%		10-166%
2051-24-3	Decachlorobiphenyl	104%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-4 (8-9) Lab Sample ID: JC44350-9 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 84.7
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5830	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Antimony	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Arsenic	9.4	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Barium	178	23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Beryllium	0.34	0.23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cadmium	< 0.57	0.57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Calcium	3980	570	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Chromium	19.6	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Cobalt	7.5	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Copper	28.2	2.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Iron	15500	57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Lead	705	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Magnesium	2170	570	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Manganese	128	1.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Mercury	0.77	0.037	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ³
Nickel	37.9	4.5	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Potassium	1320	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Selenium	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Silver	< 0.57	0.57	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Sodium	< 1100	1100	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Thallium	< 1.1	1.1	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Vanadium	17.7	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴
Zinc	250	5.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁴

(1) Instrument QC Batch: MA42158

(2) Instrument QC Batch: MA42207

(3) Prep QC Batch: MP1229

(4) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID: SB-5 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-10		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.1
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	E245188.D	1	06/06/17 19:07	TDN	n/a	n/a	VE10556
Run #2							

Run #	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.7 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.4	0.68	mg/kg	
71-43-2	Benzene	0.0314	0.068	0.016	mg/kg	J
74-97-5	Bromochloromethane	ND	0.68	0.043	mg/kg	
75-27-4	Bromodichloromethane	ND	0.27	0.021	mg/kg	
75-25-2	Bromoform	ND	0.68	0.036	mg/kg	
74-83-9	Bromomethane	ND	0.68	0.066	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.4	0.24	mg/kg	
75-15-0	Carbon disulfide ^b	ND	0.27	0.023	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.27	0.023	mg/kg	
108-90-7	Chlorobenzene	ND	0.27	0.022	mg/kg	
75-00-3	Chloroethane	ND	0.68	0.058	mg/kg	
67-66-3	Chloroform	ND	0.27	0.032	mg/kg	
74-87-3	Chloromethane	ND	0.68	0.029	mg/kg	
110-82-7	Cyclohexane	0.127	0.27	0.074	mg/kg	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.27	0.066	mg/kg	
124-48-1	Dibromochloromethane	ND	0.27	0.020	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.14	0.033	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.14	0.023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.14	0.019	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.14	0.021	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.68	0.074	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.14	0.025	mg/kg	
107-06-2	1,2-Dichloroethane	0.0763	0.14	0.023	mg/kg	J
75-35-4	1,1-Dichloroethene	ND	0.14	0.021	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.14	0.060	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.14	0.021	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.27	0.042	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.27	0.027	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.27	0.030	mg/kg	
100-41-4	Ethylbenzene	0.140	0.14	0.020	mg/kg	
76-13-1	Freon 113	ND	0.68	0.066	mg/kg	
591-78-6	2-Hexanone	ND	0.68	0.19	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (2-3)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-10	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.178	0.27	0.021	mg/kg	J
79-20-9	Methyl Acetate	ND	0.68	0.28	mg/kg	
108-87-2	Methylcyclohexane	1.15	0.27	0.069	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.14	0.036	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.68	0.12	mg/kg	
75-09-2	Methylene chloride	ND	0.68	0.14	mg/kg	
100-42-5	Styrene	ND	0.27	0.020	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.27	0.032	mg/kg	
127-18-4	Tetrachloroethene	ND	0.27	0.038	mg/kg	
108-88-3	Toluene	0.0565	0.14	0.017	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.68	0.068	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.68	0.068	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.27	0.023	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.27	0.044	mg/kg	
79-01-6	Trichloroethene	ND	0.14	0.026	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.68	0.086	mg/kg	
75-01-4	Vinyl chloride	ND	0.27	0.027	mg/kg	
	m,p-Xylene	0.259	0.14	0.030	mg/kg	
95-47-6	o-Xylene	0.0775	0.14	0.027	mg/kg	J
1330-20-7	Xylene (total)	0.337	0.14	0.027	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		72-129%
17060-07-0	1,2-Dichloroethane-D4	101%		73-132%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	95%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C4 alkyl benzene	17.68	7.4	mg/kg	J
	C4 alkyl benzene	18.14	7.8	mg/kg	J
	Naphthalene decahydro-methyl	18.39	6.9	mg/kg	J
	C4 alkyl benzene	18.70	7.9	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.75	8.4	mg/kg	J
	C5 alkyl benzene	19.08	12	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.29	7.2	mg/kg	J
	unknown	19.79	9.5	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.97	7.2	mg/kg	J
	unknown	20.15	9.3	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (2-3) Lab Sample ID: JC44350-10 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 84.1
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C5 alkyl benzene	20.29	7	mg/kg	J
	1H-Indene-dihydro-trimethyl- isomer	20.66	6.7	mg/kg	J
	unknown	20.70	8	mg/kg	J
	Naphthalene, -methyl-isomer	21.02	8.5	mg/kg	J
	Naphthalene, -methyl-isomer	21.26	9.3	mg/kg	J
	Total TIC, Volatile		123.1	mg/kg	J

- (a) Dilution required due to matrix interference.
- (b) This compound in BS is outside in house QC limits bias high.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-5 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-10		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.1
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95436.D	1	06/12/17 18:56	SB	06/04/17	OP3418	E2M4232
Run #2	M134970.D	2	06/15/17 16:34	SB	06/04/17	OP3418	EM5789
Run #3	2M95492.D	10	06/14/17 05:01	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2	31.2 g	1.0 ml
Run #3	31.2 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.076	0.019	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.033	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.068	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.041	mg/kg	
95-48-7	2-Methylphenol	0.0931	0.076	0.024	mg/kg	
	3&4-Methylphenol	0.761	0.076	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.025	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.10	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.036	mg/kg	
108-95-2	Phenol	0.237	0.076	0.020	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.025	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.029	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.023	mg/kg	
83-32-9	Acenaphthene	2.56	0.038	0.013	mg/kg	
208-96-8	Acenaphthylene	1.16	0.038	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0082	mg/kg	
120-12-7	Anthracene	2.73 ^a	0.076	0.047	mg/kg	
1912-24-9	Atrazine	ND	0.076	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	1.85	0.038	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	1.95	0.038	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	2.06	0.038	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.32	0.038	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.610	0.038	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.076	0.0093	mg/kg	
92-52-4	1,1'-Biphenyl	0.597	0.076	0.0052	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0095	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	0.0091	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-5 (2-3)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-10	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	84.1
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
106-47-8	4-Chloroaniline	ND	0.19	0.014	mg/kg	
86-74-8	Carbazole	0.211 ^a	0.15	0.011	mg/kg	
105-60-2	Caprolactam	ND	0.076	0.015	mg/kg	
218-01-9	Chrysene	2.09	0.038	0.012	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.076	0.0082	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.076	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.076	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.076	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.038	0.012	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.038	0.019	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.076	0.032	mg/kg	
123-91-1	1,4-Dioxane	ND	0.038	0.025	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.255	0.038	0.017	mg/kg	
132-64-9	Dibenzofuran	1.40	0.076	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.076	0.0062	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.076	0.0095	mg/kg	
84-66-2	Diethyl phthalate	ND	0.076	0.0081	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.076	0.0068	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.583	0.076	0.0089	mg/kg	
206-44-0	Fluoranthene	4.66 ^a	0.076	0.034	mg/kg	
86-73-7	Fluorene	3.25	0.038	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.076	0.0096	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.038	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.38	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.19	0.019	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	1.16	0.038	0.018	mg/kg	
78-59-1	Isophorone	ND	0.076	0.0082	mg/kg	
91-57-6	2-Methylnaphthalene	16.3 ^c	0.76	0.086	mg/kg	
88-74-4	2-Nitroaniline	ND	0.19	0.0090	mg/kg	
99-09-2	3-Nitroaniline	ND	0.19	0.0095	mg/kg	
100-01-6	4-Nitroaniline	ND	0.19	0.0099	mg/kg	
91-20-3	Naphthalene	7.24 ^a	0.076	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.076	0.015	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.076	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.19	0.014	mg/kg	
85-01-8	Phenanthrene	13.3 ^c	0.38	0.13	mg/kg	
129-00-0	Pyrene	5.77 ^a	0.076	0.024	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.19	0.0097	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-10		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.1
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
367-12-4	2-Fluorophenol	84%	74%	79%	23-115%
4165-62-2	Phenol-d5	85%	69%	80%	27-114%
118-79-6	2,4,6-Tribromophenol	93%	52%	61%	19-152%
4165-60-0	Nitrobenzene-d5	56%	50%	45%	26-134%
321-60-8	2-Fluorobiphenyl	82%	79%	78%	39-124%
1718-51-0	Terphenyl-d14	89%	82%	79%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.02	2.6	mg/kg	J
	system artifact/aldol-condensation	3.51	5.5	mg/kg	J
	unknown	5.32	1.8	mg/kg	J
	C4 alkyl benzene	5.37	2.3	mg/kg	J
	Cyclohexane alkyl	5.49	1.8	mg/kg	J
	1H-indene-dihydro-methyl	5.54	1.4	mg/kg	J
	unknown	5.60	3.2	mg/kg	J
2049-95-8	Benzene, (1,1-dimethylpropyl)-	5.73	1.4	mg/kg	JN
	alkane	5.93	1.3	mg/kg	J
	Cyclohexane alkyl	6.16	2.7	mg/kg	J
6682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	6.26	1.3	mg/kg	JN
	alkane	6.32	3.5	mg/kg	J
90-12-0	Naphthalene, 1-methyl-	6.75	3.3	mg/kg	JN
	Cyclohexane alkyl	6.87	2.7	mg/kg	J
	Naphthalene ethyl	7.32	1.5	mg/kg	J
	Naphthalene dimethyl	7.41	2.3	mg/kg	J
	Naphthalene dimethyl	7.53	2.5	mg/kg	J
	Naphthalene dimethyl	7.56	1.3	mg/kg	J
	unknown	7.66	4.3	mg/kg	J
	Naphthalene trimethyl	8.13	2.5	mg/kg	J
	Naphthalene trimethyl	8.33	1.9	mg/kg	J
	Naphthalene trimethyl	8.44	2.1	mg/kg	J
	Naphthalene trimethyl	8.56	2	mg/kg	J
	1,1'-Biphenyl, -methyl-	8.84	2.9	mg/kg	J
	alkane	9.02	2.8	mg/kg	J
	alkane	9.45	2.7	mg/kg	J
	unknown PAH substance	16.31	1.7	mg/kg	J
	Total TIC, Semi-Volatile		57.2	mg/kg	J

- (a) Result is from Run# 2
- (b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
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Report of Analysis

Client Sample ID: SB-5 (2-3) Lab Sample ID: JC44350-10 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 84.1
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ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
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(c) Result is from Run# 3

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-10		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.1
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6579.D	1	06/15/17 06:53	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00072	0.00034	mg/kg	
319-84-6	alpha-BHC	ND	0.00072	0.00038	mg/kg	
319-85-7	beta-BHC	ND	0.00072	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00072	0.00032	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00072	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00072	0.00034	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00072	0.00032	mg/kg	
60-57-1	Dieldrin	ND	0.00072	0.00036	mg/kg	
72-54-8	4,4'-DDD ^a	0.0016	0.00072	0.00046	mg/kg	
72-55-9	4,4'-DDE	ND	0.00072	0.00037	mg/kg	
50-29-3	4,4'-DDT	0.0209	0.00072	0.00043	mg/kg	
72-20-8	Endrin	ND	0.00072	0.00034	mg/kg	
1031-07-8	Endosulfan sulfate	0.0040	0.00072	0.00029	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00072	0.00042	mg/kg	
959-98-8	Endosulfan-I	ND	0.00072	0.00037	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00072	0.00037	mg/kg	
76-44-8	Heptachlor	ND	0.00072	0.00035	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00072	0.00039	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00036	mg/kg	
53494-70-5	Endrin ketone	ND	0.00072	0.00055	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.0074	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	83%		25-135%
877-09-8	Tetrachloro-m-xylene	73%		25-135%
2051-24-3	Decachlorobiphenyl	54%		10-156%
2051-24-3	Decachlorobiphenyl	164% ^b		10-156%

(a) More than 40 % RPD for detected concentrations between the two GC columns.
 (b) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-5 (2-3)	
Lab Sample ID: JC44350-10	Date Sampled: 05/31/17
Matrix: SO - Soil	Date Received: 05/31/17
Method: SW846 8082A SW846 3546	Percent Solids: 84.1
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170862.D	1	06/06/17 16:25	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	102%		24-152%
877-09-8	Tetrachloro-m-xylene	100%		24-152%
2051-24-3	Decachlorobiphenyl	134%		10-166%
2051-24-3	Decachlorobiphenyl	160%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10 4

Report of Analysis

Client Sample ID: SB-5 (2-3)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-10		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 84.1
Project: 233-239 Nevins Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5660	58	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	8.1	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	558	23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.44	0.23	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	1.4	0.58	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	13100	580	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Chromium	24.2	1.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	7.9	5.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	107	2.9	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	14100	58	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Lead	2280	12	mg/kg	5	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Magnesium	2620	580	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	276	1.7	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	2.0	0.18	mg/kg	5	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	32.1	4.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	< 1200	1200	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.3	2.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.58	0.58	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1200	1200	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.2	1.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	24.8	5.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	357	5.8	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID:	SB-5 (9-10)	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-11	Date Received:	05/31/17
Matrix:	SO - Soil	Percent Solids:	79.4
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.265	0.25	0.019	mg/kg	
79-20-9	Methyl Acetate	0.643	0.62	0.25	mg/kg	
108-87-2	Methylcyclohexane	0.996	0.25	0.062	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.12	0.033	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.62	0.10	mg/kg	
75-09-2	Methylene chloride	ND	0.62	0.12	mg/kg	
100-42-5	Styrene	ND	0.25	0.018	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.25	0.030	mg/kg	
127-18-4	Tetrachloroethene	ND	0.25	0.035	mg/kg	
108-88-3	Toluene	0.0827	0.12	0.015	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.62	0.062	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.62	0.062	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.25	0.021	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.25	0.040	mg/kg	
79-01-6	Trichloroethene	ND	0.12	0.023	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.62	0.078	mg/kg	
75-01-4	Vinyl chloride	ND	0.25	0.025	mg/kg	
	m,p-Xylene	0.174	0.12	0.027	mg/kg	
95-47-6	o-Xylene	0.0505	0.12	0.025	mg/kg	J
1330-20-7	Xylene (total)	0.225	0.12	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		72-129%
17060-07-0	1,2-Dichloroethane-D4	102%		73-132%
2037-26-5	Toluene-D8	97%		80-120%
460-00-4	4-Bromofluorobenzene	96%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkyl-substituted cyclohexane	16.78	8.9	mg/kg	J
	C4 alkyl benzene	17.68	10	mg/kg	J
	C4 alkyl benzene	18.14	9.4	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.55	7.9	mg/kg	J
	C4 alkyl benzene	18.70	10	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.75	11	mg/kg	J
	C5 alkyl benzene	19.08	16	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.29	9.8	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	19.66	8.5	mg/kg	J
	unknown	19.79	13	mg/kg	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (9-10)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-11	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 79.4
Method: SW846 8260C	
Project: 233-239 Nevins Street, Brooklyn, NY	

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	19.97	8.5	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.18	10	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.29	8.4	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	20.69	10	mg/kg	J
	Naphthalene, -methyl-isomer	21.02	8.8	mg/kg	J
	Total TIC, Volatile		150.2	mg/kg	J

- (a) Dilution required due to matrix interference.
- (b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.11
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Report of Analysis

Client Sample ID: SB-5 (9-10)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-11		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 79.4
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2M95437.D	1	06/12/17 19:23	SB	06/04/17	OP3418	E2M4232
Run #2	2M95493.D	5	06/14/17 05:28	CS	06/04/17	OP3418	E2M4235

Run #	Initial Weight	Final Volume
Run #1	31.2 g	1.0 ml
Run #2	31.2 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.081	0.020	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.20	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.20	0.034	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.20	0.072	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.20	0.15	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.20	0.043	mg/kg	
95-48-7	2-Methylphenol	ND	0.081	0.026	mg/kg	
	3&4-Methylphenol	0.359	0.081	0.033	mg/kg	
88-75-5	2-Nitrophenol	ND	0.20	0.027	mg/kg	
100-02-7	4-Nitrophenol	ND	0.40	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.16	0.038	mg/kg	
108-95-2	Phenol	0.177	0.081	0.021	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.20	0.027	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.20	0.030	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.20	0.024	mg/kg	
83-32-9	Acenaphthene	2.07	0.040	0.014	mg/kg	
208-96-8	Acenaphthylene	0.937	0.040	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.20	0.0087	mg/kg	
120-12-7	Anthracene	1.75 ^a	0.20	0.12	mg/kg	
1912-24-9	Atrazine	ND	0.081	0.017	mg/kg	
56-55-3	Benzo(a)anthracene	1.30	0.040	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	1.47	0.040	0.018	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.45	0.040	0.018	mg/kg	
191-24-2	Benzo(g,h,i)perylene	1.03	0.040	0.020	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.516	0.040	0.019	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.081	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.081	0.0098	mg/kg	
92-52-4	1,1'-Biphenyl	0.292	0.081	0.0055	mg/kg	
100-52-7	Benzaldehyde	ND	0.20	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.081	0.0096	mg/kg	
106-47-8	4-Chloroaniline	ND	0.20	0.015	mg/kg	
86-74-8	Carbazole	ND	0.081	0.0059	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (9-10)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-11		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 79.4
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.081	0.016	mg/kg	
218-01-9	Chrysene	1.48	0.040	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.081	0.0086	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.081	0.017	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether ^b	ND	0.081	0.014	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.081	0.013	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.040	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.040	0.020	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.081	0.034	mg/kg	
123-91-1	1,4-Dioxane	ND	0.040	0.027	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.202	0.040	0.018	mg/kg	
132-64-9	Dibenzofuran	1.05	0.081	0.016	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.081	0.0066	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.081	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.081	0.0086	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.081	0.0072	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.340	0.081	0.0094	mg/kg	
206-44-0	Fluoranthene	2.81 ^a	0.20	0.090	mg/kg	
86-73-7	Fluorene	2.64	0.040	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.081	0.010	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.040	0.016	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.40	0.016	mg/kg	
67-72-1	Hexachloroethane	ND	0.20	0.020	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.874	0.040	0.019	mg/kg	
78-59-1	Isophorone	ND	0.081	0.0086	mg/kg	
91-57-6	2-Methylnaphthalene	3.49	0.081	0.0091	mg/kg	
88-74-4	2-Nitroaniline	ND	0.20	0.0095	mg/kg	
99-09-2	3-Nitroaniline	ND	0.20	0.010	mg/kg	
100-01-6	4-Nitroaniline	ND	0.20	0.010	mg/kg	
91-20-3	Naphthalene	2.35	0.040	0.011	mg/kg	
98-95-3	Nitrobenzene	ND	0.081	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.081	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.20	0.015	mg/kg	
85-01-8	Phenanthrene	8.70 ^a	0.20	0.068	mg/kg	
129-00-0	Pyrene	3.63	0.040	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.20	0.010	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	68%	66%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-5 (9-10) Lab Sample ID: JC44350-11 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 79.4
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ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
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(b) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

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4

Report of Analysis

Client Sample ID: SB-5 (9-10)		Date Sampled: 05/31/17
Lab Sample ID: JC44350-11		Date Received: 05/31/17
Matrix: SO - Soil		Percent Solids: 79.4
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G6580.D	1	06/15/17 07:07	RK	06/04/17	OP3424	G8G189
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00079	0.00038	mg/kg	
319-84-6	alpha-BHC	ND	0.00079	0.00042	mg/kg	
319-85-7	beta-BHC	ND	0.00079	0.00049	mg/kg	
319-86-8	delta-BHC	ND	0.00079	0.00036	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00079	0.00035	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00079	0.00037	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00079	0.00035	mg/kg	
60-57-1	Dieldrin	ND	0.00079	0.00039	mg/kg	
72-54-8	4,4' -DDD	ND	0.00079	0.00050	mg/kg	
72-55-9	4,4' -DDE	ND	0.00079	0.00041	mg/kg	
50-29-3	4,4' -DDT ^a	0.0350	0.00079	0.00047	mg/kg	
72-20-8	Endrin	ND	0.00079	0.00037	mg/kg	
1031-07-8	Endosulfan sulfate	0.0114	0.00079	0.00032	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00079	0.00047	mg/kg	
959-98-8	Endosulfan-I	ND	0.00079	0.00041	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00079	0.00041	mg/kg	
76-44-8	Heptachlor	ND	0.00079	0.00039	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00079	0.00042	mg/kg	
72-43-5	Methoxychlor	ND	0.0016	0.00039	mg/kg	
53494-70-5	Endrin ketone	ND	0.00079	0.00061	mg/kg	
8001-35-2	Toxaphene	ND	0.020	0.0082	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	88%		25-135%
877-09-8	Tetrachloro-m-xylene	85%		25-135%
2051-24-3	Decachlorobiphenyl	63%		10-156%
2051-24-3	Decachlorobiphenyl	154%		10-156%

(a) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID: SB-5 (9-10)	Date Sampled: 05/31/17
Lab Sample ID: JC44350-11	Date Received: 05/31/17
Matrix: SO - Soil	Percent Solids: 79.4
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF170867.D	1	06/06/17 18:31	RK	06/04/17	OP3423	GEF5980
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.039	0.031	mg/kg	
11104-28-2	Aroclor 1221	ND	0.039	0.017	mg/kg	
11141-16-5	Aroclor 1232	ND	0.039	0.024	mg/kg	
53469-21-9	Aroclor 1242	ND	0.039	0.020	mg/kg	
12672-29-6	Aroclor 1248	ND	0.039	0.023	mg/kg	
11097-69-1	Aroclor 1254	ND	0.039	0.018	mg/kg	
11096-82-5	Aroclor 1260	ND	0.039	0.029	mg/kg	
11100-14-4	Aroclor 1268	ND	0.039	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.039	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	117%		24-152%
877-09-8	Tetrachloro-m-xylene	113%		24-152%
2051-24-3	Decachlorobiphenyl	129%		10-166%
2051-24-3	Decachlorobiphenyl	142%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.11
4

Report of Analysis

Client Sample ID: SB-5 (9-10) Lab Sample ID: JC44350-11 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: 79.4
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5860	66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Antimony	< 2.6	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Arsenic	12.1	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Barium	91.2	26	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Beryllium	0.42	0.26	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cadmium	< 0.66	0.66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Calcium	38300	1300	mg/kg	2	06/06/17	06/12/17	AB	SW846 6010C ³ SW846 3050B ⁵
Chromium	18.9	1.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Cobalt	< 6.6	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Copper	46.7	3.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Iron	11700	66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Lead	219	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Magnesium	7710	660	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Manganese	197	2.0	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Mercury	0.87	0.037	mg/kg	1	06/03/17	06/03/17	JA	SW846 7471B ¹ SW846 7471B ⁴
Nickel	21.4	5.2	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Potassium	< 1300	1300	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Selenium	< 2.6	2.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Silver	< 0.66	0.66	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Sodium	< 1300	1300	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Thallium	< 1.3	1.3	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Vanadium	28.4	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵
Zinc	125	6.6	mg/kg	1	06/06/17	06/09/17	ND	SW846 6010C ² SW846 3050B ⁵

- (1) Instrument QC Batch: MA42158
- (2) Instrument QC Batch: MA42207
- (3) Instrument QC Batch: MA42214
- (4) Prep QC Batch: MP1229
- (5) Prep QC Batch: MP1264

RL = Reporting Limit

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Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138123.D	1	06/08/17 21:59	VC	n/a	n/a	V3B6121
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	0.98	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	3.6	5.0	0.73	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	0.62	1.0	0.20	ug/l	J
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-1	Date Sampled:	05/30/17
Lab Sample ID:	JC44350-12	Date Received:	05/31/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.57	1.0	0.16	ug/l	J
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	0.81	5.0	0.78	ug/l	J
1634-04-4	Methyl Tert Butyl Ether	1.8	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	0.70	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	1.3	1.0	0.42	ug/l	
95-47-6	o-Xylene	0.71	1.0	0.21	ug/l	J
1330-20-7	Xylene (total)	2.0	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		76-120%
17060-07-0	1,2-Dichloroethane-D4	99%		73-122%
2037-26-5	Toluene-D8	90%		84-119%
460-00-4	4-Bromofluorobenzene	87%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
496-11-7	Indane	17.61	18	ug/l	JN
	C4 alkyl benzene	18.41	10	ug/l	J
4265-25-2	Benzofuran, 2-methyl-	18.52	8.3	ug/l	JN
	1H-Indene-dihydro-methyl- isomer	18.78	11	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.93	16	ug/l	J
	1H-indene, methyl- isomer	19.11	23	ug/l	J
582-60-5	1H-Benzimidazole, 5,6-dimethyl-	19.48	14	ug/l	JN
	unknown	19.52	8.6	ug/l	J
91-20-3	Naphthalene	19.63	90	ug/l	JN
	unknown	19.67	8	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.12
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Report of Analysis

Client Sample ID: TW-1 Lab Sample ID: JC44350-12 Matrix: AQ - Ground Water Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/30/17 Date Received: 05/31/17 Percent Solids: n/a
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
95-15-8	Benzo[b]thiophene	19.75	20	ug/l	JN
	1H-Indene, dimethyl-isomer	20.13	8.8	ug/l	J
	Benzo[b]thiophene, methyl- isomer	20.74	11	ug/l	J
	Naphthalene, methyl- isomer	20.80	9.4	ug/l	J
	Naphthalene, methyl- isomer	21.01	140	ug/l	J
	Total TIC, Volatile		396.1	ug/l	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.12
4

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M134926.D	1	06/14/17 09:06	CS	06/02/17	OP3388	EM5787
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	72.6	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	3.8	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	29.6	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	15.8	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	12.3	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	12.6	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	4.6	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	5.6	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate ^a	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	2.3	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	16.7	1.0	0.23	ug/l	

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RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	15.6	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	1.6	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	47.6	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	37.4	1.0	0.17	ug/l	
86-73-7	Fluorene	56.7	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	6.3	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	2.8	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	22.0	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	85.4	1.0	0.18	ug/l	
129-00-0	Pyrene	31.1	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	53%		10-110%

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J = Indicates an estimated value

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	35%		10-110%
118-79-6	2,4,6-Tribromophenol	102%		36-151%
4165-60-0	Nitrobenzene-d5	87%		34-128%
321-60-8	2-Fluorobiphenyl	88%		38-119%
1718-51-0	Terphenyl-d14	71%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.75	6.8	ug/l	J
	unknown	5.64	6.8	ug/l	J
	Benzene butynyl	5.68	7.1	ug/l	J
	Benzothiophene	5.98	8.5	ug/l	J
	Benzothiophene, methyl-	6.67	5.9	ug/l	J
90-12-0	Naphthalene, 1-methyl-	6.87	47	ug/l	JN
	Naphthalene dimethyl	7.62	20	ug/l	J
	Naphthalene dimethyl	7.74	23	ug/l	J
	Naphthalene dimethyl	7.77	8.5	ug/l	J
	Naphthalene dimethyl	7.91	14	ug/l	J
	Naphthalene trimethyl	8.82	6.2	ug/l	J
	Dibenzofuran, -methyl-	9.49	11	ug/l	J
	9H-Fluorene methyl	10.19	7.6	ug/l	J
132-65-0	Dibenzothiophene	10.70	13	ug/l	JN
	unknown	11.12	7.9	ug/l	J
	Phenanthrene methyl	11.88	8.7	ug/l	J
	Phenanthrene methyl	11.93	11	ug/l	J
	Phenanthrene methyl	12.02	8.5	ug/l	J
203-64-5	4H-Cyclopenta[def]phenanthrene	12.07	22	ug/l	JN
	-methylcarbazole	12.32	6.5	ug/l	J
612-94-2	Naphthalene, 2-phenyl-	12.47	7.2	ug/l	JN
	Phenanthrene dimethyl	12.97	7.2	ug/l	J
	unknown	13.42	8.9	ug/l	J
	unknown	14.36	13	ug/l	J
	Pyrene methyl	14.49	6.1	ug/l	J
	unknown PAH substance	18.53	6.5	ug/l	J
	Total TIC, Semi-Volatile		292.1	ug/l	J

(a) This compound in BS is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.12
4

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8082A SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147683.D	1	06/05/17 12:38	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	150%		11-166%
877-09-8	Tetrachloro-m-xylene	79%		11-166%
2051-24-3	Decachlorobiphenyl	77%		10-150%
2051-24-3	Decachlorobiphenyl	72%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.12
4

Report of Analysis

Client Sample ID: TW-1	Date Sampled: 05/30/17
Lab Sample ID: JC44350-12	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum ^a	94600	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony ^a	< 30	30	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic ^a	53.0	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium ^a	< 1000	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium ^a	6.0	5.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium ^a	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium ^a	198000	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium ^a	160	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper ^a	238	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron ^a	171000	500	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead ^a	830	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium ^a	50600	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese ^a	6230	75	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury ^a	< 1.2	1.2	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel ^a	259	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium ^a	< 50000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium ^a	81100	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium ^a	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc ^a	648	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

Report of Analysis

Client Sample ID: TW-1		Date Sampled: 05/30/17
Lab Sample ID: JC44350-12F		Date Received: 05/31/17
Matrix: AQ - Groundwater Filtered		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	4.2	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	230	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	162000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	10.5	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	152	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	5.6	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	30700	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	1030	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	19100	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	103000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

RL = Reporting Limit

4.13
4

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138124.D	1	06/08/17 22:28	VC	n/a	n/a	V3B6121
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	0.43	0.50	0.14	ug/l	J
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	0.30	1.0	0.20	ug/l	J
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-3	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-13	Date Received:	05/31/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.25	1.0	0.16	ug/l	J
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.49	1.0	0.34	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	0.42	1.0	0.23	ug/l	J
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	0.52	1.0	0.42	ug/l	J
95-47-6	o-Xylene	0.34	1.0	0.21	ug/l	J
1330-20-7	Xylene (total)	0.86	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	97%		73-122%
2037-26-5	Toluene-D8	89%		84-119%
460-00-4	4-Bromofluorobenzene	83%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkene	17.74	37	ug/l	J
	unknown	18.16	39	ug/l	J
	Naphthalene, decahydro-methyl- isomer	18.42	42	ug/l	J
	Naphthalene, decahydro-methyl- isomer	18.64	90	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	18.71	41	ug/l	J
	alkene	18.88	130	ug/l	J
	alkane	19.45	120	ug/l	J
	1H-indene-dihydro-trimethyl- isomer	19.54	43	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	19.68	78	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.77	120	ug/l	J

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkene	20.00	50	ug/l	J
	unknown	20.06	50	ug/l	J
700-12-9	Benzene, pentamethyl-	20.23	64	ug/l	JN
	unknown	20.35	50	ug/l	J
	unknown	20.48	58	ug/l	J
	Total TIC, Volatile		1012	ug/l	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
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J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.14
4

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P38403.D	1	06/05/17 17:49	AC	06/02/17	OP3396	E6P1764
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	3.5	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	2.2	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	25.1	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	22.7	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	22.3	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	15.4	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	16.8	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	7.0	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	5.0	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

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J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3	Date Sampled: 05/31/17
Lab Sample ID: JC44350-13	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8270D SW846 3510C	
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	24.2	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.1	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	4.2	5.0	0.22	ug/l	J
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	10.5	2.0	1.7	ug/l	
206-44-0	Fluoranthene	56.1	1.0	0.17	ug/l	
86-73-7	Fluorene	16.0	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	5.8	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	7.8	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	4.0	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	9.5	1.0	0.18	ug/l	
129-00-0	Pyrene	75.2	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-110%

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Report of Analysis

Client Sample ID:	TW-3	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-13	Date Received:	05/31/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8270D SW846 3510C		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	112%		36-151%
4165-60-0	Nitrobenzene-d5	95%		34-128%
321-60-8	2-Fluorobiphenyl	95%		38-119%
1718-51-0	Terphenyl-d14	92%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	4.47	49	ug/l	J
	unknown	5.14	53	ug/l	J
	unknown	5.37	46	ug/l	J
	unknown	5.94	46	ug/l	J
	alkane	6.08	86	ug/l	J
	unknown	6.19	47	ug/l	J
	alkane	7.18	67	ug/l	J
	unknown	8.39	66	ug/l	J
	unknown	8.49	67	ug/l	J
	alkane	8.55	140	ug/l	J
	9H-Fluorene methyl	8.70	86	ug/l	J
	unknown	8.73	53	ug/l	J
	unknown	8.76	60	ug/l	J
	-Dimethylbiphenyl	8.87	100	ug/l	J
	unknown	9.30	69	ug/l	J
	alkane	9.53	120	ug/l	J
	unknown	9.78	60	ug/l	J
	unknown	9.88	45	ug/l	J
	-Dimethyldibenzothiophene	10.04	72	ug/l	J
	Phenanthrene dimethyl	10.36	43	ug/l	J
	Phenanthrene dimethyl	10.43	96	ug/l	J
	Phenanthrene dimethyl	10.46	51	ug/l	J
	Phenanthrene dimethyl	10.53	48	ug/l	J
	Phenanthrene dimethyl	14.53	47	ug/l	J
	Phenanthrene dimethyl	14.87	56	ug/l	J
	Total TIC, Semi-Volatile		1673	ug/l	J

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E = Indicates value exceeds calibration range

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8081B SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G82164.D	1	06/15/17 19:05	JR	06/04/17	OP3402	G4G2147
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0067	0.0040	ug/l	
319-84-6	alpha-BHC	ND	0.0067	0.0040	ug/l	
319-85-7	beta-BHC	ND	0.0067	0.0038	ug/l	
319-86-8	delta-BHC	ND	0.0067	0.0030	ug/l	
58-89-9	gamma-BHC (Lindane) ^a	0.0076	0.0067	0.0019	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0067	0.0031	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0067	0.0031	ug/l	
60-57-1	Dieldrin	ND	0.0067	0.0024	ug/l	
72-54-8	4,4' -DDD	ND	0.0067	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.0067	0.0041	ug/l	
50-29-3	4,4' -DDT	ND	0.0067	0.0033	ug/l	
72-20-8	Endrin	ND	0.0067	0.0034	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0067	0.0035	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0067	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0067	0.0034	ug/l	
959-98-8	Endosulfan-I	ND	0.0067	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.0067	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.0067	0.0025	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0067	0.0044	ug/l	
72-43-5	Methoxychlor	ND	0.013	0.0038	ug/l	
8001-35-2	Toxaphene	ND	0.17	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		13-153%
877-09-8	Tetrachloro-m-xylene	86%		13-153%
2051-24-3	Decachlorobiphenyl	58%		10-138%
2051-24-3	Decachlorobiphenyl	51%		10-138%

(a) More than 40 % RPD for detected concentrations between the two GC columns.

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8082A SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147686.D	1	06/05/17 13:29	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		11-166%
877-09-8	Tetrachloro-m-xylene	67%		11-166%
2051-24-3	Decachlorobiphenyl	54%		10-150%
2051-24-3	Decachlorobiphenyl	49%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.14
4

Report of Analysis

Client Sample ID: TW-3	Date Sampled: 05/31/17
Lab Sample ID: JC44350-13	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum ^a	82200	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Antimony ^a	42.5	30	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Arsenic ^a	167	15	ug/l	1	06/06/17	06/07/17	DE SW846 6010C ³	SW846 3010A ⁵
Barium ^a	1810	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Beryllium ^a	6.0	5.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Cadmium ^a	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Calcium ^a	601000	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Chromium ^a	215	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Cobalt ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Copper ^a	550	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Iron ^a	197000	500	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Lead ^a	6180	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Magnesium ^a	50900	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Manganese ^a	3720	75	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Mercury	13.4	1.2	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ⁴
Nickel ^a	248	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Potassium ^a	< 50000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Selenium ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Silver ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Sodium ^a	87400	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Thallium ^a	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Vanadium ^a	277	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Zinc ^a	2640	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵

- (1) Instrument QC Batch: MA42152
- (2) Instrument QC Batch: MA42175
- (3) Instrument QC Batch: MA42184
- (4) Prep QC Batch: MP1218
- (5) Prep QC Batch: MP1266

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

4.14
4

Report of Analysis

Client Sample ID: TW-3		Date Sampled: 05/31/17
Lab Sample ID: JC44350-13F		Date Received: 05/31/17
Matrix: AQ - Groundwater Filtered		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	10.8	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	9.3	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	131000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	223	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	45.6	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	20400	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	333	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	20200	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	121000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	22.2	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

RL = Reporting Limit

4.15
4

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	3B138040.D	1	06/07/17 05:21	VC	n/a	n/a	V3B6118

Run #1	Purge Volume
Run #2	5.0 ml

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	0.19	0.50	0.14	ug/l	J
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	1.6	2.0	0.33	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	2.8	5.0	0.73	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	0.30	1.0	0.23	ug/l	J
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-5	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-14	Date Received:	05/31/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	4.4	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	8.3	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	4.3	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	0.38	1.0	0.21	ug/l	J
1330-20-7	Xylene (total)	0.38	1.0	0.21	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	102%		73-122%
2037-26-5	Toluene-D8	89%		84-119%
460-00-4	4-Bromofluorobenzene	89%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C4 alkyl benzene	18.00	82	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.18	72	ug/l	J
	C4 alkyl benzene	18.41	83	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.78	87	ug/l	J
	C4 alkyl benzene	18.89	120	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.93	150	ug/l	J
	C5 alkyl benzene	19.21	110	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.38	88	ug/l	J
	alkane	19.46	78	ug/l	J
	Naphthalene, tetrahydro-methyl- is	19.68	100	ug/l	J

ND = Not detected MDL = Method Detection Limit

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N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-dimethyl-isomer	19.78	100	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.92	97	ug/l	J
	Naphthalene, tetrahydro-dimethyl-isomer	20.06	74	ug/l	J
	Naphthalene, tetrahydro-methyl-isomer	20.16	67	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	20.34	71	ug/l	J
	unknown	20.48	76	ug/l	J
	Total TIC, Volatile		1455	ug/l	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.16
4

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P38659.D	1	06/08/17 19:26	AC	06/02/17	OP3396	E6P1770
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	28.9	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	10.7	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	5.8	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	7.3	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	6.1	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	4.2	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	2.6	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	5.6	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	0.62	1.0	0.33	ug/l	J
132-64-9	Dibenzofuran	8.6	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	15.0	1.0	0.17	ug/l	
86-73-7	Fluorene	26.5	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.8	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	4.4	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	54.8	1.0	0.18	ug/l	
129-00-0	Pyrene	18.6	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	43%		10-110%

ND = Not detected MDL = Method Detection Limit

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E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	32%		10-110%
118-79-6	2,4,6-Tribromophenol	112%		36-151%
4165-60-0	Nitrobenzene-d5	92%		34-128%
321-60-8	2-Fluorobiphenyl	94%		38-119%
1718-51-0	Terphenyl-d14	93%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	alkane	6.08	33	ug/l	J
	Naphthalene ethyl	6.92	44	ug/l	J
	Naphthalene dimethyl	7.00	65	ug/l	J
	Naphthalene dimethyl	7.08	82	ug/l	J
	alkane	7.18	71	ug/l	J
	Naphthalene dimethyl	7.20	39	ug/l	J
	Naphthalene trimethyl	7.56	37	ug/l	J
	Naphthalene trimethyl	7.72	39	ug/l	J
	Cyclohexane alkyl	7.77	35	ug/l	J
	Naphthalene trimethyl	7.91	42	ug/l	J
	alkane	8.24	48	ug/l	J
	unknown	8.39	34	ug/l	J
	unknown	8.46	33	ug/l	J
	unknown	8.49	33	ug/l	J
	alkane	8.55	220	ug/l	J
	9H-Fluorene methyl	8.70	57	ug/l	J
	unknown	8.73	50	ug/l	J
	alkane	8.76	38	ug/l	J
	alkane	8.79	37	ug/l	J
	unknown	8.87	55	ug/l	J
	alkane	9.52	65	ug/l	J
	Phenanthrene methyl	9.75	45	ug/l	J
	Phenanthrene methyl	9.78	51	ug/l	J
	Phenanthrene methyl	9.87	35	ug/l	J
	Phenanthrene dimethyl	10.41	52	ug/l	J
	Total TIC, Semi-Volatile		1340	ug/l	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.16
4

Report of Analysis

Client Sample ID: TW-5	Date Sampled: 05/31/17
Lab Sample ID: JC44350-14	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147687.D	1	06/05/17 13:46	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	118%		11-166%
877-09-8	Tetrachloro-m-xylene	87%		11-166%
2051-24-3	Decachlorobiphenyl	79%		10-150%
2051-24-3	Decachlorobiphenyl	63%		10-150%

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 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.16
4

Report of Analysis

Client Sample ID: TW-5	Date Sampled: 05/31/17
Lab Sample ID: JC44350-14	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum ^a	104000	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Antimony ^a	< 30	30	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Arsenic ^a	168	15	ug/l	1	06/06/17	06/07/17	DE SW846 6010C ³	SW846 3010A ⁵
Barium ^a	2370	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Beryllium ^a	8.0	5.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Cadmium ^a	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Calcium ^a	441000	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Chromium ^a	285	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Cobalt ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Copper ^a	734	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Iron ^a	208000	500	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Lead ^a	5200	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Magnesium ^a	75700	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Manganese ^a	4750	75	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Mercury	31.9	2.4	ug/l	2	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ⁴
Nickel ^a	489	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Potassium ^a	< 50000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Selenium ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Silver ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Sodium ^a	128000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Thallium ^a	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Vanadium ^a	344	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵
Zinc ^a	2050	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁵

- (1) Instrument QC Batch: MA42152
- (2) Instrument QC Batch: MA42175
- (3) Instrument QC Batch: MA42184
- (4) Prep QC Batch: MP1218
- (5) Prep QC Batch: MP1266

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

4.16
 4

Report of Analysis

Client Sample ID: TW-5		Date Sampled: 05/31/17
Lab Sample ID: JC44350-14F		Date Received: 05/31/17
Matrix: AQ - Groundwater Filtered		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	5.1	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	165000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	516	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	10.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	30600	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	653	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	26900	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	137000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

RL = Reporting Limit

4.17
4

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138039.D	1	06/07/17 04:53	VC	n/a	n/a	V3B6118
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	0.79	2.0	0.33	ug/l	J
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	1.6	5.0	0.73	ug/l	J
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TW-5D	Date Sampled:	05/31/17
Lab Sample ID:	JC44350-15	Date Received:	05/31/17
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	1.8	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	5.7	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	3.6	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	106%		73-122%
2037-26-5	Toluene-D8	90%		84-119%
460-00-4	4-Bromofluorobenzene	87%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	C4 alkyl benzene	18.00	44	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.18	36	ug/l	J
	C4 alkyl benzene	18.41	40	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.78	44	ug/l	J
	C4 alkyl benzene	18.89	51	ug/l	J
	1H-Indene-dihydro-methyl- isomer	18.93	75	ug/l	J
	1H-indene-dihydro-dimethyl- isomer+ C5 a	19.21	57	ug/l	J
	C5 alkyl benzene	19.28	22	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.38	44	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	19.68	23	ug/l	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-dimethyl-isomer	19.78	33	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	19.92	41	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	20.12	27	ug/l	J
	Naphthalene, tetrahydro-methyl-isomer	20.17	26	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	20.34	28	ug/l	J
	Naphthalene, tetrahydro-methyl- isomer	20.51	23	ug/l	J
	Total TIC, Volatile		614	ug/l	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.18
4

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P38658.D	1	06/08/17 19:01	AC	06/02/17	OP3396	E6P1770
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	17.3	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	4.8	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	1.9	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	2.2	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	2.1	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.3	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	0.54	1.0	0.21	ug/l	J
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	30%		10-110%
118-79-6	2,4,6-Tribromophenol	106%		36-151%
4165-60-0	Nitrobenzene-d5	84%		34-128%
321-60-8	2-Fluorobiphenyl	87%		38-119%
1718-51-0	Terphenyl-d14	80%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	21	ug/l	J
	1H-indene-dihydro-methyl	5.45	27	ug/l	J
	alkane	6.08	20	ug/l	J
	Cyclohexane alkyl	6.55	15	ug/l	J
	Naphthalene tetrahydro-dimethyl	6.87	14	ug/l	J
	Naphthalene ethyl	6.91	33	ug/l	J
	Naphthalene dimethyl	6.99	50	ug/l	J
	Naphthalene dimethyl	7.07	59	ug/l	J
	Naphthalene dimethyl	7.09	17	ug/l	J
	unknown	7.11	16	ug/l	J
	alkane	7.17	39	ug/l	J
	Naphthalene dimethyl	7.19	32	ug/l	J
	Naphthalene dimethyl	7.28	22	ug/l	J
	Naphthalene trimethyl	7.55	25	ug/l	J
	Naphthalene trimethyl	7.71	27	ug/l	J
	Naphthalene trimethyl	7.79	16	ug/l	J
	Naphthalene trimethyl	7.89	25	ug/l	J
	unknown	8.12	18	ug/l	J
	alkane	8.23	33	ug/l	J
	alkane	8.54	85	ug/l	J
	9H-Fluorene methyl	8.69	20	ug/l	J
	unknown	8.72	22	ug/l	J
	unknown	8.86	20	ug/l	J
	alkane	9.51	20	ug/l	J
	Phenanthrene methyl	9.77	17	ug/l	J
	Phenanthrene dimethyl	10.40	17	ug/l	J
	Total TIC, Semi-Volatile		689	ug/l	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15		Date Received: 05/31/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8082A SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147688.D	1	06/05/17 14:03	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		11-166%
877-09-8	Tetrachloro-m-xylene	81%		11-166%
2051-24-3	Decachlorobiphenyl	69%		10-150%
2051-24-3	Decachlorobiphenyl	64%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.18
4

Report of Analysis

Client Sample ID: TW-5D	Date Sampled: 05/31/17
Lab Sample ID: JC44350-15	Date Received: 05/31/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum ^a	59900	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony ^a	< 30	30	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic ^a	86.5	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium ^a	1350	1000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium ^a	< 5.0	5.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium ^a	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium ^a	248000	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium ^a	160	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper ^a	367	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron ^a	113000	500	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead ^a	2810	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium ^a	48600	25000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese ^a	2420	75	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	7.1	1.2	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel ^a	279	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium ^a	< 50000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver ^a	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium ^a	106000	50000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium ^a	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium ^a	< 250	250	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc ^a	1200	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

4.18
4

Report of Analysis

Client Sample ID: TW-5D		Date Sampled: 05/31/17
Lab Sample ID: JC44350-15F		Date Received: 05/31/17
Matrix: AQ - Groundwater Filtered		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	5.4	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	159000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	949	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	6.1	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	29800	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	680	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	25400	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	129000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

RL = Reporting Limit

4.19
4

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138036.D	1	06/07/17 03:28	VC	n/a	n/a	V3B6118
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		76-120%
17060-07-0	1,2-Dichloroethane-D4	104%		73-122%
2037-26-5	Toluene-D8	91%		84-119%
460-00-4	4-Bromofluorobenzene	86%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.20
4

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P38656.D	1	06/08/17 18:11	AC	06/02/17	OP3396	E6P1770
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	0.80	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.87	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.9	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.87	ug/l	
	3&4-Methylphenol	ND	2.0	0.86	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.94	ug/l	
100-02-7	4-Nitrophenol	ND	9.8	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.9	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.9	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.91	ug/l	
83-32-9	Acenaphthene	ND	0.98	0.19	ug/l	
208-96-8	Acenaphthylene	ND	0.98	0.13	ug/l	
98-86-2	Acetophenone	ND	2.0	0.20	ug/l	
120-12-7	Anthracene	ND	0.98	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	4.9	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.98	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.98	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.98	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.98	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.98	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.98	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.33	ug/l	
86-74-8	Carbazole	ND	0.98	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.64	ug/l	
218-01-9	Chrysene	ND	0.98	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.98	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.98	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	0.98	0.64	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.98	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.49	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.98	0.17	ug/l	
86-73-7	Fluorene	ND	0.98	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	0.98	0.32	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.98	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.8	2.7	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.38	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.98	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.98	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	4.9	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.9	0.38	ug/l	
100-01-6	4-Nitroaniline	ND	4.9	0.43	ug/l	
91-20-3	Naphthalene	ND	0.98	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.63	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.98	0.17	ug/l	
129-00-0	Pyrene	ND	0.98	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

4.20
4

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	26%		10-110%
118-79-6	2,4,6-Tribromophenol	109%		36-151%
4165-60-0	Nitrobenzene-d5	76%		34-128%
321-60-8	2-Fluorobiphenyl	80%		38-119%
1718-51-0	Terphenyl-d14	108%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	26	ug/l	J
	system artifact	3.99	7.8	ug/l	J
	system artifact	4.19	11	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		
Lab Sample ID: JC44350-16		Date Sampled: 05/31/17
Matrix: AQ - Field Blank Water		Date Received: 05/31/17
Method: SW846 8081B SW846 3510C		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G82169.D	1	06/15/17 20:17	JR	06/04/17	OP3402	G4G2147
Run #2							

Run #	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0067	0.0040	ug/l	
319-84-6	alpha-BHC	ND	0.0067	0.0040	ug/l	
319-85-7	beta-BHC	ND	0.0067	0.0038	ug/l	
319-86-8	delta-BHC	ND	0.0067	0.0030	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0067	0.0019	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0067	0.0031	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0067	0.0031	ug/l	
60-57-1	Dieldrin	ND	0.0067	0.0024	ug/l	
72-54-8	4,4'-DDD	ND	0.0067	0.0025	ug/l	
72-55-9	4,4'-DDE	ND	0.0067	0.0041	ug/l	
50-29-3	4,4'-DDT	ND	0.0067	0.0033	ug/l	
72-20-8	Endrin	ND	0.0067	0.0034	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0067	0.0035	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0067	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0067	0.0034	ug/l	
959-98-8	Endosulfan-I	ND	0.0067	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.0067	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.0067	0.0025	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0067	0.0044	ug/l	
72-43-5	Methoxychlor	ND	0.013	0.0038	ug/l	
8001-35-2	Toxaphene	ND	0.17	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	32%		13-153%
877-09-8	Tetrachloro-m-xylene	32%		13-153%
2051-24-3	Decachlorobiphenyl	29%		10-138%
2051-24-3	Decachlorobiphenyl	29%		10-138%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.20
4

Report of Analysis

Client Sample ID: FB-1	Date Sampled: 05/31/17
Lab Sample ID: JC44350-16	Date Received: 05/31/17
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147689.D	1	06/05/17 14:20	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	56%		11-166%
877-09-8	Tetrachloro-m-xylene	55%		11-166%
2051-24-3	Decachlorobiphenyl	51%		10-150%
2051-24-3	Decachlorobiphenyl	46%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.20
4

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 05/31/17
Lab Sample ID: JC44350-16		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	< 5000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	< 100	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	< 5000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	< 10000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

- (1) Instrument QC Batch: MA42152
- (2) Instrument QC Batch: MA42175
- (3) Prep QC Batch: MP1218
- (4) Prep QC Batch: MP1266

RL = Reporting Limit

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138037.D	1	06/07/17 03:57	VC	n/a	n/a	V3B6118
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		73-122%
2037-26-5	Toluene-D8	89%		84-119%
460-00-4	4-Bromofluorobenzene	88%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

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4.21
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P38657.D	1	06/08/17 18:36	AC	06/02/17	OP3396	E6P1770
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	4.9	0.80	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	0.87	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.2	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	9.8	1.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	4.9	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.87	ug/l	
	3&4-Methylphenol	ND	2.0	0.86	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	0.94	ug/l	
100-02-7	4-Nitrophenol	ND	9.8	1.1	ug/l	
87-86-5	Pentachlorophenol	ND	3.9	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.38	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	4.9	1.4	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.9	0.91	ug/l	
83-32-9	Acenaphthene	ND	0.98	0.19	ug/l	
208-96-8	Acenaphthylene	ND	0.98	0.13	ug/l	
98-86-2	Acetophenone	ND	2.0	0.20	ug/l	
120-12-7	Anthracene	ND	0.98	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.44	ug/l	
100-52-7	Benzaldehyde	ND	4.9	0.28	ug/l	
56-55-3	Benzo(a)anthracene	ND	0.98	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	0.98	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	0.98	0.20	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	0.98	0.33	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	0.98	0.20	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.45	ug/l	
92-52-4	1,1'-Biphenyl	ND	0.98	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.23	ug/l	
106-47-8	4-Chloroaniline	ND	4.9	0.33	ug/l	
86-74-8	Carbazole	ND	0.98	0.22	ug/l	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.64	ug/l	
218-01-9	Chrysene	ND	0.98	0.17	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.27	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.24	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.36	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	0.98	0.54	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	0.98	0.47	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.50	ug/l	
123-91-1	1,4-Dioxane	ND	0.98	0.64	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	0.98	0.32	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.49	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.21	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.6	ug/l	
206-44-0	Fluoranthene	ND	0.98	0.17	ug/l	
86-73-7	Fluorene	ND	0.98	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	0.98	0.32	ug/l	
87-68-3	Hexachlorobutadiene	ND	0.98	0.48	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	9.8	2.7	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.38	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.98	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.27	ug/l	
91-57-6	2-Methylnaphthalene	ND	0.98	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	4.9	0.27	ug/l	
99-09-2	3-Nitroaniline	ND	4.9	0.38	ug/l	
100-01-6	4-Nitroaniline	ND	4.9	0.43	ug/l	
91-20-3	Naphthalene	ND	0.98	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.63	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.47	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	0.22	ug/l	
85-01-8	Phenanthrene	ND	0.98	0.17	ug/l	
129-00-0	Pyrene	ND	0.98	0.21	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.36	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2 Lab Sample ID: JC44350-17 Matrix: AQ - Field Blank Water Method: SW846 8270D SW846 3510C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 05/31/17 Date Received: 05/31/17 Percent Solids: n/a
-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	36%		10-110%
118-79-6	2,4,6-Tribromophenol	111%		36-151%
4165-60-0	Nitrobenzene-d5	82%		34-128%
321-60-8	2-Fluorobiphenyl	83%		38-119%
1718-51-0	Terphenyl-d14	104%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	1.70	29	ug/l	J
	system artifact	3.99	8.6	ug/l	J
	system artifact	4.19	12	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.21
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8082A SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G147692.D	1	06/05/17 15:49	RK	06/04/17	OP3401	G2G4039
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.10	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.20	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.13	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.19	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.28	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.16	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.27	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.12	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.13	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	108%		11-166%
877-09-8	Tetrachloro-m-xylene	100%		11-166%
2051-24-3	Decachlorobiphenyl	85%		10-150%
2051-24-3	Decachlorobiphenyl	78%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.21
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 05/31/17
Lab Sample ID: JC44350-17		Date Received: 05/31/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Antimony	< 6.0	6.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Arsenic	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Barium	< 200	200	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Beryllium	< 1.0	1.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cadmium	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Calcium	< 5000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Chromium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Cobalt	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Copper	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Iron	< 100	100	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Lead	< 3.0	3.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Magnesium	< 5000	5000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Manganese	< 15	15	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Mercury	< 0.20	0.20	ug/l	1	06/02/17	06/02/17	JPM SW846 7470A ¹	SW846 7470A ³
Nickel	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Potassium	< 10000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Selenium	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Silver	< 10	10	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Sodium	< 10000	10000	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Thallium	< 2.0	2.0	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Vanadium	< 50	50	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴
Zinc	< 20	20	ug/l	1	06/06/17	06/06/17	DE SW846 6010C ²	SW846 3010A ⁴

(1) Instrument QC Batch: MA42152

(2) Instrument QC Batch: MA42175

(3) Prep QC Batch: MP1218

(4) Prep QC Batch: MP1266

RL = Reporting Limit

4.21
4

Report of Analysis

Client Sample ID: TRIP BLANK		Date Sampled: 05/31/17
Lab Sample ID: JC44350-18		Date Received: 05/31/17
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	3B138038.D	1	06/07/17 04:25	VC	n/a	n/a	V3B6118
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.14	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.46	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.55	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
74-83-9	Bromomethane	ND	2.0	0.46	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	1.9	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.33	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.54	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.17	ug/l	
75-00-3	Chloroethane	ND	1.0	0.44	ug/l	
67-66-3	Chloroform	ND	1.0	0.23	ug/l	
74-87-3	Chloromethane	ND	1.0	0.96	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.73	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.23	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.22	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.23	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.19	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.21	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.70	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.39	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.20	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.31	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.36	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.33	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.19	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.26	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.20	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	1.5	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK		Date Sampled: 05/31/17
Lab Sample ID: JC44350-18		Date Received: 05/31/17
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.16	ug/l	
79-20-9	Methyl Acetate	ND	5.0	1.5	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	0.78	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.34	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	1.2	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.27	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.39	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.23	ug/l	
108-88-3	Toluene	ND	1.0	0.23	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.22	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.28	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.26	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.58	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.33	ug/l	
	m,p-Xylene	ND	1.0	0.42	ug/l	
95-47-6	o-Xylene	ND	1.0	0.21	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.21	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		76-120%
17060-07-0	1,2-Dichloroethane-D4	107%		73-122%
2037-26-5	Toluene-D8	89%		84-119%
460-00-4	4-Bromofluorobenzene	88%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SLL
aw
FB
WTB

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #	Bottle Order Control #
SGS Accutest Quote #	SGS Accutest Job #
	JC44350

Client / Reporting Information		Project Information			Requested Analysis (see TEST CODE sheet)												Matrix Codes		
Company Name: <u>Equity Environmental</u> Street Address: <u>Acc International Corp</u> City: <u>Mount Olive NJ</u> State: <u>07028</u> Zip: <u>07028</u> Project Contact: <u>Bob Jackson</u> E-mail: _____ Phone #: <u>973-627-7441</u> Fax #: _____ Sampler(s) Name(s): <u>John V. GeneB</u> Phone #: _____		Project Name: <u>Neveis St</u> Street: <u>233-239 Neveis St</u> City: <u>Brooklyn, NY</u> State: _____ Billing Information (if different from Report to) Company Name: _____ Street Address: _____ City: _____ State: _____ Zip: _____ Project #: <u>2017035</u> Client Purchase Order #: _____ Project Manager: <u>Bob Jackson</u> Attention: _____			TCL VOC+15 TCL SVOC+15 Pest PCB TAL Metals MetkississiveLF												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge SED - Sediment OI - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe FB - Field Blank EB - Equipment Blank RB - Rinse Blank TB - Trip Blank		
SGS Accutest Sample #	Field ID / Point of Collection	MEOH/VI Vial #	Date	Time	Sampled by	Matrix	# of bottles	HCl	NaOH	HNO3	H2SO4	NONE	NI Water	MECH	ENCORE	LAB USE ONLY			
1	SB-1 (0-1)		5/30/17	9:30	JVG	SO	4												
2	SB-1 (9-10)			9:40													E8		
3	SB-2 (1-2)			10:20													C30		
4	SB-2 (9-10)			10:25													V1137		
5	SB-3 (2-3)		5/31/17	9:45													D28		
6	SB-3 (8-9)			10:00													14FS		
7	SB-30 (2-3)			9:50													4035		
8	SB-4 (2-3)			9:25															
9	SB-4 (8-9)			9:35															
10	SB-5 (2-3)			9:05															
11	SB-5 (4-10)			9:10															
Turnaround Time (Business days)		Approved by (SGS Accutest PM): / Date:			Data Deliverable Information												Comments / Special Instructions		
<input checked="" type="checkbox"/> Std. 10 Business Days <input type="checkbox"/> 5 Day RUSH <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH <input type="checkbox"/> other: _____					<input type="checkbox"/> Commercial "a" (Level 1) <input type="checkbox"/> NYASP Category A <input type="checkbox"/> Commercial "b" (Level 2) <input checked="" type="checkbox"/> NYASP Category B <input type="checkbox"/> FULLT (Level 3+4) <input type="checkbox"/> State Forms <input type="checkbox"/> NJ Reduced <input type="checkbox"/> EDD Format <input type="checkbox"/> Commercial "C" <input type="checkbox"/> Other: _____ <input type="checkbox"/> NJ Data of Known Quality Protocol Reporting Commercial "A" = Results Only, Commercial "B" = Results + QC Summary NJ Reduced = Results + QC Summary + Partial Raw data												INITIAL ASSESSMENT <u>2B JK</u> LABEL VERIFICATION <u>JK</u>		
Emergency & Rush TJA data available VIA Lablink														Sample inventory is verified upon receipt in the Laboratory					
Sample Custody must be documented below each time samples change possession, including courier delivery.																			
Relinquished by Sampler:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:	Preserved where applicable												<input type="checkbox"/> In Ice <input type="checkbox"/> Code Temp.	
1	5/31/17	J. Kozyn	2	5/31/17	J. Kozyn													3.9, 3.0, 3.5	
3			4																
5			5																

5.1
5



ACCUTEST

CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking #
Bottle Order Control #
SGS Accutest Quote #
SGS Accutest Job # JC44350

Client / Reporting Information, Project Information, Requested Analysis (see TEST CODE sheet), Matrix Codes. Includes handwritten details for Equity Environmental, 700 International Dr, Newark, NJ, and various sample IDs like TW-1, TW-3, TW-5, FB-1, FB-2, Trip Blank.

Turnaround Time (Business days), Data Deliverable Information, Comments / Special Instructions. Includes handwritten note: 'possible high concentrations' and '0 2 x 300 mL PCB 5/31/17 JK'.

Sample Custody must be documented below each time samples change possession, including courier delivery. Includes a table with columns for Relinquished by Sampler, Date/Time, Received By, and Date/Time, with handwritten signatures and dates.

SM088-01C Rev. Date: 9/13/16

JC44350: Chain of Custody

Page 2 of 4

5.1 5

SGS Accutest Sample Receipt Summary

Job Number: JC44350

Client: _____

Project: _____

Date / Time Received: 5/31/2017 6:30:00 PM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.9); Cooler 2: (3.6); Cooler 3: (3.5);

Cooler Temps (Corrected) °C: Cooler 1: (4.6); Cooler 2: (4.3); Cooler 3: (4.2);

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun | |
| 3. Cooler media: | Ice (Bag) | |
| 4. No. Coolers: | 3 | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|----------------------------------------|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

SM089-02
Rev. Date 12/1/16

JC44350: Chain of Custody

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5.1
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Technical Report for

Equity Environmental Engineering

233-239 Nevins Street, Brooklyn, NY

2017035

SGS Accutest Job Number: JC44351

Sampling Dates: 05/30/17 - 05/31/17

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **15**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Equity Environmental Engineering

Job No: JC44351

233-239 Nevins Street, Brooklyn, NY

Project No: 2017035

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC44351-1	05/30/17	12:10 JV	05/31/17	AIR	Soil Vapor Comp.	SV-1
JC44351-2	05/31/17	12:15 JV	05/31/17	AIR	Soil Vapor Comp.	SV-3

Summary of Hits

Job Number: JC44351
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
---------------	------------------	-----------------	----	-----	-------	--------

JC44351-1 SV-1

Acetone	18.4	0.80	0.25	ppbv	TO-15
1,3-Butadiene	3.9	0.80	0.11	ppbv	TO-15
Benzene	2.9	0.80	0.10	ppbv	TO-15
Carbon disulfide	1.5	0.80	0.13	ppbv	TO-15
Chloroform	0.59 J	0.80	0.12	ppbv	TO-15
Chloromethane	0.47 J	0.80	0.26	ppbv	TO-15
Cyclohexane	8.5	0.80	0.14	ppbv	TO-15
Dichlorodifluoromethane	0.85	0.80	0.10	ppbv	TO-15
Ethanol	8.2	2.0	0.38	ppbv	TO-15
Ethylbenzene	2.8	0.80	0.091	ppbv	TO-15
Ethyl Acetate	3.5	0.80	0.26	ppbv	TO-15
Heptane	9.3	0.80	0.18	ppbv	TO-15
Hexane	19.5	0.80	0.11	ppbv	TO-15
Methylene chloride	3.6	0.80	0.13	ppbv	TO-15
Methyl ethyl ketone	1.1	0.80	0.17	ppbv	TO-15
1,1,1-Trichloroethane	2.4	0.80	0.068	ppbv	TO-15
1,2,4-Trimethylbenzene	0.49 J	0.80	0.20	ppbv	TO-15
2,2,4-Trimethylpentane	0.97	0.80	0.11	ppbv	TO-15
Tetrachloroethylene	1.0	0.16	0.066	ppbv	TO-15
Toluene	8.1	0.80	0.11	ppbv	TO-15
Trichlorofluoromethane	0.70 J	0.80	0.060	ppbv	TO-15
m,p-Xylene	2.1	0.80	0.27	ppbv	TO-15
o-Xylene	0.73 J	0.80	0.14	ppbv	TO-15
Xylenes (total)	2.8	0.80	0.14	ppbv	TO-15
Acetone	43.7	1.9	0.59	ug/m3	TO-15
1,3-Butadiene	8.6	1.8	0.24	ug/m3	TO-15
Benzene	9.3	2.6	0.32	ug/m3	TO-15
Carbon disulfide	4.7	2.5	0.40	ug/m3	TO-15
Chloroform	2.9 J	3.9	0.59	ug/m3	TO-15
Chloromethane	0.97 J	1.7	0.54	ug/m3	TO-15
Cyclohexane	29	2.8	0.48	ug/m3	TO-15
Dichlorodifluoromethane	4.2	4.0	0.49	ug/m3	TO-15
Ethanol	15	3.8	0.72	ug/m3	TO-15
Ethylbenzene	12	3.5	0.40	ug/m3	TO-15
Ethyl Acetate	13	2.9	0.94	ug/m3	TO-15
Heptane	38	3.3	0.74	ug/m3	TO-15
Hexane	68.7	2.8	0.39	ug/m3	TO-15
Methylene chloride	13	2.8	0.45	ug/m3	TO-15
Methyl ethyl ketone	3.2	2.4	0.50	ug/m3	TO-15
1,1,1-Trichloroethane	13	4.4	0.37	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.4 J	3.9	0.98	ug/m3	TO-15
2,2,4-Trimethylpentane	4.5	3.7	0.51	ug/m3	TO-15
Tetrachloroethylene	6.8	1.1	0.45	ug/m3	TO-15

Summary of Hits

Job Number: JC44351
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 05/30/17 thru 05/31/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Toluene		31	3.0	0.41	ug/m3	TO-15
Trichlorofluoromethane		3.9 J	4.5	0.34	ug/m3	TO-15
m,p-Xylene		9.1	3.5	1.2	ug/m3	TO-15
o-Xylene		3.2 J	3.5	0.61	ug/m3	TO-15
Xylenes (total)		12	3.5	0.61	ug/m3	TO-15

JC44351-2 SV-3

Acetone		9.9	0.80	0.25	ppbv	TO-15
Chloromethane		0.59 J	0.80	0.26	ppbv	TO-15
Dichlorodifluoromethane		0.50 J	0.80	0.10	ppbv	TO-15
Ethanol		16.2	2.0	0.38	ppbv	TO-15
Hexane		0.62 J	0.80	0.11	ppbv	TO-15
Isopropyl Alcohol		3.1	0.80	0.36	ppbv	TO-15
Methylene chloride		2.1	0.80	0.13	ppbv	TO-15
Methyl ethyl ketone		0.65 J	0.80	0.17	ppbv	TO-15
Propylene		2.1	2.0	0.23	ppbv	TO-15
2,2,4-Trimethylpentane		0.56 J	0.80	0.11	ppbv	TO-15
Tetrachloroethylene		0.25	0.16	0.066	ppbv	TO-15
Toluene		0.83	0.80	0.11	ppbv	TO-15
Acetone		24	1.9	0.59	ug/m3	TO-15
Chloromethane		1.2 J	1.7	0.54	ug/m3	TO-15
Dichlorodifluoromethane		2.5 J	4.0	0.49	ug/m3	TO-15
Ethanol		30.5	3.8	0.72	ug/m3	TO-15
Hexane		2.2 J	2.8	0.39	ug/m3	TO-15
Isopropyl Alcohol		7.6	2.0	0.88	ug/m3	TO-15
Methylene chloride		7.3	2.8	0.45	ug/m3	TO-15
Methyl ethyl ketone		1.9 J	2.4	0.50	ug/m3	TO-15
Propylene		3.6	3.4	0.40	ug/m3	TO-15
2,2,4-Trimethylpentane		2.6 J	3.7	0.51	ug/m3	TO-15
Tetrachloroethylene		1.7	1.1	0.45	ug/m3	TO-15
Toluene		3.1	3.0	0.41	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: SV-1		
Lab Sample ID: JC44351-1		Date Sampled: 05/30/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A607		Date Received: 05/31/17
Method: TO-15		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W24794.D	1	06/21/17 03:56	DFT	n/a	n/a	V5W980
Run #2							

Run #1	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	18.4	0.80	0.25	ppbv		43.7	1.9	0.59	ug/m3
106-99-0	54.09	1,3-Butadiene	3.9	0.80	0.11	ppbv		8.6	1.8	0.24	ug/m3
71-43-2	78.11	Benzene	2.9	0.80	0.10	ppbv		9.3	2.6	0.32	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.071	ppbv		ND	8.3	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.13	ppbv		ND	3.1	0.50	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.062	ppbv		ND	3.5	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.085	ppbv		ND	4.1	0.44	ug/m3
75-15-0	76.14	Carbon disulfide	1.5	0.80	0.13	ppbv		4.7	2.5	0.40	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.069	ppbv		ND	3.7	0.32	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.14	ppbv		ND	2.1	0.37	ug/m3
67-66-3	119.4	Chloroform	0.59	0.80	0.12	ppbv	J	2.9	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	0.47	0.80	0.26	ppbv	J	0.97	1.7	0.54	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.15	ppbv		ND	2.5	0.47	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.14	ppbv		ND	4.1	0.72	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.080	ppbv		ND	5.0	0.50	ug/m3
110-82-7	84.16	Cyclohexane	8.5	0.80	0.14	ppbv		29	2.8	0.48	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.13	ppbv		ND	3.2	0.53	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	0.52	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.088	ppbv		ND	6.1	0.68	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.11	ppbv		ND	3.2	0.45	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.85	0.80	0.10	ppbv		4.2	4.0	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.10	ppbv		ND	6.8	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	0.52	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.093	ppbv		ND	3.6	0.42	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.12	ppbv		ND	3.6	0.54	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-1		Date Sampled: 05/30/17
Lab Sample ID: JC44351-1		Date Received: 05/31/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A607		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	8.2	2.0	0.38	ppbv		15	3.8	0.72	ug/m3
100-41-4	106.2	Ethylbenzene	2.8	0.80	0.091	ppbv		12	3.5	0.40	ug/m3
141-78-6	88	Ethyl Acetate	3.5	0.80	0.26	ppbv		13	2.9	0.94	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.11	ppbv		ND	3.9	0.54	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.096	ppbv		ND	6.1	0.74	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.097	ppbv		ND	5.6	0.68	ug/m3
142-82-5	100.2	Heptane	9.3	0.80	0.18	ppbv		38	3.3	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.096	ppbv		ND	8.5	1.0	ug/m3
110-54-3	86.17	Hexane	19.5	0.80	0.11	ppbv		68.7	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.16	ppbv		ND	3.3	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	0.80	0.36	ppbv		ND	2.0	0.88	ug/m3
75-09-2	84.94	Methylene chloride	3.6	0.80	0.13	ppbv		13	2.8	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.1	0.80	0.17	ppbv		3.2	2.4	0.50	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.23	ppbv		ND	3.3	0.94	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.075	ppbv		ND	2.9	0.27	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
115-07-1	42	Propylene	ND	2.0	0.23	ppbv		ND	3.4	0.40	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.18	ppbv		ND	3.4	0.77	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	2.4	0.80	0.068	ppbv		13	4.4	0.37	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.14	ppbv		ND	5.5	0.96	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.088	ppbv		ND	4.4	0.48	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.15	ppbv		ND	5.9	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	0.49	0.80	0.20	ppbv	J	2.4	3.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.97	0.80	0.11	ppbv		4.5	3.7	0.51	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.11	ppbv		ND	2.4	0.33	ug/m3
127-18-4	165.8	Tetrachloroethylene	1.0	0.16	0.066	ppbv		6.8	1.1	0.45	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.18	ppbv		ND	2.4	0.53	ug/m3
108-88-3	92.14	Toluene	8.1	0.80	0.11	ppbv		31	3.0	0.41	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.047	ppbv		ND	0.86	0.25	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.70	0.80	0.060	ppbv	J	3.9	4.5	0.34	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.15	ppbv		ND	2.0	0.38	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.11	ppbv		ND	2.8	0.39	ug/m3
	106.2	m,p-Xylene	2.1	0.80	0.27	ppbv		9.1	3.5	1.2	ug/m3
95-47-6	106.2	o-Xylene	0.73	0.80	0.14	ppbv	J	3.2	3.5	0.61	ug/m3
1330-20-7	106.2	Xylenes (total)	2.8	0.80	0.14	ppbv		12	3.5	0.61	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-3		
Lab Sample ID: JC44351-2		Date Sampled: 05/31/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A808		Date Received: 05/31/17
Method: TO-15		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W24795.D	1	06/21/17 04:41	DFT	n/a	n/a	V5W980
Run #2							

Run #1	Initial Volume
Run #1	100 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	9.9	0.80	0.25	ppbv		24	1.9	0.59	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	0.80	0.11	ppbv		ND	1.8	0.24	ug/m3
71-43-2	78.11	Benzene	ND	0.80	0.10	ppbv		ND	2.6	0.32	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.80	0.12	ppbv		ND	5.4	0.80	ug/m3
75-25-2	252.8	Bromoform	ND	0.80	0.071	ppbv		ND	8.3	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.80	0.13	ppbv		ND	3.1	0.50	ug/m3
593-60-2	106.9	Bromoethene	ND	0.80	0.062	ppbv		ND	3.5	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.80	0.085	ppbv		ND	4.1	0.44	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.80	0.13	ppbv		ND	2.5	0.40	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.80	0.069	ppbv		ND	3.7	0.32	ug/m3
75-00-3	64.52	Chloroethane	ND	0.80	0.14	ppbv		ND	2.1	0.37	ug/m3
67-66-3	119.4	Chloroform	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
74-87-3	50.49	Chloromethane	0.59	0.80	0.26	ppbv	J	1.2	1.7	0.54	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.80	0.15	ppbv		ND	2.5	0.47	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.80	0.14	ppbv		ND	4.1	0.72	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.80	0.080	ppbv		ND	5.0	0.50	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.80	0.14	ppbv		ND	2.8	0.48	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.80	0.13	ppbv		ND	3.2	0.53	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	0.52	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	0.80	0.088	ppbv		ND	6.1	0.68	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.80	0.11	ppbv		ND	3.2	0.45	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.80	0.13	ppbv		ND	3.7	0.60	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.80	0.19	ppbv		ND	2.9	0.68	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.50	0.80	0.10	ppbv	J	2.5	4.0	0.49	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.80	0.10	ppbv		ND	6.8	0.85	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.80	0.10	ppbv		ND	3.2	0.40	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.80	0.13	ppbv		ND	3.2	0.52	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.80	0.093	ppbv		ND	3.6	0.42	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	0.80	0.11	ppbv		ND	4.8	0.66	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	0.80	0.12	ppbv		ND	4.8	0.72	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.80	0.12	ppbv		ND	3.6	0.54	ug/m3

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: SV-3		Date Sampled: 05/31/17
Lab Sample ID: JC44351-2		Date Received: 05/31/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A808		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	16.2	2.0	0.38	ppbv		30.5	3.8	0.72	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.80	0.091	ppbv		ND	3.5	0.40	ug/m3
141-78-6	88	Ethyl Acetate	ND	0.80	0.26	ppbv		ND	2.9	0.94	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	0.80	0.11	ppbv		ND	3.9	0.54	ug/m3
76-13-1	187.4	Freon 113	ND	0.80	0.096	ppbv		ND	6.1	0.74	ug/m3
76-14-2	170.9	Freon 114	ND	0.80	0.097	ppbv		ND	5.6	0.68	ug/m3
142-82-5	100.2	Heptane	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	0.80	0.096	ppbv		ND	8.5	1.0	ug/m3
110-54-3	86.17	Hexane	0.62	0.80	0.11	ppbv	J	2.2	2.8	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.80	0.16	ppbv		ND	3.3	0.65	ug/m3
67-63-0	60.1	Isopropyl Alcohol	3.1	0.80	0.36	ppbv		7.6	2.0	0.88	ug/m3
75-09-2	84.94	Methylene chloride	2.1	0.80	0.13	ppbv		7.3	2.8	0.45	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.65	0.80	0.17	ppbv	J	1.9	2.4	0.50	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.80	0.23	ppbv		ND	3.3	0.94	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.80	0.075	ppbv		ND	2.9	0.27	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.80	0.18	ppbv		ND	3.3	0.74	ug/m3
115-07-1	42	Propylene	2.1	2.0	0.23	ppbv		3.6	3.4	0.40	ug/m3
100-42-5	104.1	Styrene	ND	0.80	0.18	ppbv		ND	3.4	0.77	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.80	0.068	ppbv		ND	4.4	0.37	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	0.80	0.14	ppbv		ND	5.5	0.96	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.80	0.088	ppbv		ND	4.4	0.48	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	0.80	0.15	ppbv		ND	5.9	1.1	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	ND	0.80	0.20	ppbv		ND	3.9	0.98	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	0.80	0.12	ppbv		ND	3.9	0.59	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.56	0.80	0.11	ppbv	J	2.6	3.7	0.51	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.80	0.11	ppbv		ND	2.4	0.33	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.25	0.16	0.066	ppbv		1.7	1.1	0.45	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.80	0.18	ppbv		ND	2.4	0.53	ug/m3
108-88-3	92.14	Toluene	0.83	0.80	0.11	ppbv		3.1	3.0	0.41	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.16	0.047	ppbv		ND	0.86	0.25	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	0.80	0.060	ppbv		ND	4.5	0.34	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.80	0.15	ppbv		ND	2.0	0.38	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.80	0.11	ppbv		ND	2.8	0.39	ug/m3
	106.2	m,p-Xylene	ND	0.80	0.27	ppbv		ND	3.5	1.2	ug/m3
95-47-6	106.2	o-Xylene	ND	0.80	0.14	ppbv		ND	3.5	0.61	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.80	0.14	ppbv		ND	3.5	0.61	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	97%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log



ACCUTEST

AIR CHAIN OF CUSTODY

SGS Accutest - Dayton
2235 Route 130, Dayton, NJ 08810
TEL: 732-329-0200 FAX: 732-329-3499/3480
www.accutest.com

FED-EX Tracking # MM-052517-128 PAGE 1 OF 1
Lab Quote # _____ Lab Job # JC44351

Client / Reporting Information		Project Information		Weather Parameters		Requested Analysis
Company Name <u>Equity Environmental</u>		Project Name <u>NEVINS ST.</u>		Temperature (Fahrenheit)		
Address <u>500 International Drive</u>		Street <u>233-239 Nevins St.</u>		Start: <u>57°F</u> Maximum: <u>68°F</u>		
City <u>Mount Olive</u> State <u>NJ</u> Zip <u>07828</u>		City <u>Brooklyn</u> State <u>NY</u>		Stop: <u>68°F</u> Minimum: <u>57°F</u>		
Project Contact <u>Bob Jackson</u> E-mail <u>Bob.Jackson@equityenvironmental.com</u>		Project # <u>2017035</u>		Atmospheric Pressure (inches of Hg)		
Phone # <u>973-541</u> Fax # _____		Client Purchase Order # <u>2017235</u>		Start: <u>30.19</u> Maximum: <u>30.19</u>		
Sampler(s) Name(s)				Stop: <u>30.08</u> Minimum: <u>30.08</u>		
Other weather comment:						

Lab Sample #	Field ID / Point of Collection	Air Type			Start Sampling Information					Stop Sampling Information					
		Indoor(I) Soil Vap(SV) Ambient(A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.
<u>1</u>	<u>SV-1</u>	<u>SV</u>	<u>A607</u>	<u>1L</u>	<u>FC127</u>	<u>5/30/17</u>	<u>10:05</u>	<u>28</u>	<u>57</u>	<u>JV</u>	<u>5/30/17</u>	<u>12:10</u>	<u>1</u>	<u>59</u>	<u>JV</u>
<u>2</u>	<u>SV-3</u>	<u>SV</u>	<u>A808</u>	<u>1L</u>	<u>FC635</u>	<u>5/31/17</u>	<u>12:15</u>	<u>28</u>	<u>63</u>	<u>JV</u>	<u>5/31/17</u>	<u>12:15</u>	<u>0</u>	<u>68</u>	<u>JV</u>

Turnaround Time (Business days)		Data Deliverable Information		Comments / Remarks	
Standard - 15 Days	<input checked="" type="checkbox"/>	Approved By: _____	All NJDEP TO-15 is mandatory Full T1	<u>SUMMA</u> INITIAL ASSESSMENT <u>YAAS</u> LABEL VERIFICATION <u>OK</u>	
10 Day	<input type="checkbox"/>	Date: _____	Comm A <input checked="" type="checkbox"/>		
5 Day	<input type="checkbox"/>		Comm B <input type="checkbox"/>		
3 Day	<input type="checkbox"/>		Reduced T2 <input type="checkbox"/>		
2 Day	<input type="checkbox"/>		Full T1 <input type="checkbox"/>	Sample inventory is verified upon receipt in the Laboratory	
1 Day	<input type="checkbox"/>		Other: _____		
Other	<input type="checkbox"/>		DKQP reporting <input type="checkbox"/>		

Sample/Custody must be documented below each time samples change possession, including courier delivery.					
Relinquished by Laboratory	Date/Time	Received By	Relinquished By	Date/Time	Received By
<u>Bob Maurano</u>	<u>5/25/17 17:00</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5-26-17 09:30</u>	<u>[Signature]</u>
<u>[Signature]</u>	<u>5/31/17</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5/31/17 18:30</u>	<u>[Signature]</u>
Relinquished by:	Date/Time:	Received By:	Relinquished By:	Date/Time:	Received By:
<u>[Signature]</u>	<u>5/31/17</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>5/31/17 18:30</u>	<u>[Signature]</u>
Relinquished by:	Date/Time:	Received By:	Custody Seal #		
<u>[Signature]</u>	<u>5/31/17</u>	<u>[Signature]</u>	<u>[Signature]</u>		

1 Bob SUMMA

SGS Accutest Sample Receipt Summary

Job Number: JC44351

Client: _____

Project: _____

Date / Time Received: 5/31/2017 6:30:00 PM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|--------------------------|--------------------------|
| 1. Temp criteria achieved: | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | N/A | |
| 3. Cooler media: | N/A | |
| 4. No. Coolers: | N/A | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|----------------------------------------|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|-------------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

SM089-02
Rev. Date 12/1/16

JC44351: Chain of Custody

Page 3 of 3

4.1
4

Summa Canister and Flow Controller Log

Job Number: JC44351
Account: EEENJF Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Received: 05/31/17

SUMMA CANISTERS													
Shipping							Receiving						
Summa ID	Vac L	Date " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A607	1	29.4	05/25/17	PC	CP9185	3W60060.D	JC44351-1	06/01/17	PC	0			1
A808	1	29.4	05/25/17	PC	CP9185	3W60060.D	JC44351-2	06/01/17	PC	0			1

FLOW CONTROLLERS / OTHER										
Shipping					Receiving					
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type	
FC127	05/25/17	PC	6.3	2	06/05/17	PC	6.8	7.6	Flow Controller	
FC605	05/25/17	PC	6.3	2	06/05/17	PC	7.1	11.9	Flow Controller	
FC709	05/25/17	PC	6.3	2	06/02/17	PC	5.3	17.2	Flow Controller	

SGS Accutest Bottle Order(s):
 MV-052517-128

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 05/25/17 70 29.92

4.2
4

Technical Report for

Equity Environmental Engineering

233-239 Nevins Street, Brooklyn, NY

2017035

SGS Accutest Job Number: JC46006

Sampling Date: 06/27/17

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **125**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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1

2

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4

5



Sample Summary

Equity Environmental Engineering

Job No: JC46006

233-239 Nevins Street, Brooklyn, NY

Project No: 2017035

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC46006-1	06/27/17	10:30 JV	06/28/17	AQ	Field Blank Water	FB-1
JC46006-2	06/27/17	12:20 JV	06/28/17	AQ	Field Blank Water	FB-2
JC46006-3	06/27/17	10:50 JV	06/28/17	SO	Soil	SB-9 (8-9)
JC46006-4	06/27/17	13:40 JV	06/28/17	SO	Soil	SB-6 (0-2)
JC46006-5	06/27/17	13:50 JV	06/28/17	SO	Soil	SB-6 (7-8)
JC46006-6	06/27/17	13:00 JV	06/28/17	SO	Soil	SB-7 (0-2)
JC46006-7	06/27/17	11:55 JV	06/28/17	SO	Soil	SB-8 (5-6)
JC46006-8	06/27/17	11:40 JV	06/28/17	SO	Soil	SB-8 (0-2)
JC46006-9	06/27/17	11:00 JV	06/28/17	SO	Soil	SB-9 (0-2)
JC46006-10	06/27/17	13:10 JV	06/28/17	SO	Soil	SB-7 (7-8)
JC46006-11	06/27/17	12:35 JV	06/28/17	AQ	Ground Water	TW-9
JC46006-11F	06/27/17	12:35 JV	06/28/17	AQ	Groundwater Filtered	TW-9
JC46006-12	06/27/17	13:50 JV	06/28/17	AQ	Trip Blank Water	TRIP BLANK

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

CASE NARRATIVE / CONFORMANCE SUMMARY

Client: Equity Environmental Engineering

Job No JC46006

Site: 233-239 Nevins Street, Brooklyn, NY

Report Date 7/12/2017 11:18:19 A

On 06/28/2017, 9 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were received at SGS Accutest at a maximum corrected temperature of 3.8 C. Samples were intact and chemically preserved, unless noted below. A SGS Accutest Job Number of JC46006 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Volatiles by GCMS By Method SW846 8260C

Matrix: AQ **Batch ID:** V2D7044

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC45679-14MS, JC45679-14MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Isopropylbenzene are outside control limits. Outside control limits due to high level in sample relative to spike amount.

Matrix: AQ **Batch ID:** V2D7045

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC45775-1MS, JC45775-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Dichlorodifluoromethane are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for Duplicate for 1,2-Dichlorobenzene are outside control limits for sample JC45775-2DUP. High RPD due to low concentration of hit

Matrix: AQ **Batch ID:** VU9877

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45892-6MS, JC45892-6MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** VC8089

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46099-15DUP, JC46099-16MS were used as the QC samples indicated.

Matrix: SO **Batch ID:** VC8090

- All samples were analyzed within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45838-6MS, JC45838-8DUP were used as the QC samples indicated.

Matrix: SO **Batch ID:** VD10128

- All samples were analyzed within the recommended method holding time.
- Sample(s) JC46006-5MS, JC46006-5MSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- JC46006-8: Dilution required due to matrix interference.
- JC46006-7: Dilution required due to matrix interference.
- JC46006-5: Dilution required due to matrix interference.

Wednesday, July 12, 2017

Page 1 of 7

Extractables by GCMS By Method SW846 8270D

Matrix: AQ

Batch ID: OP4169

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JC46006-11: Dilution required due to matrix interference.

Matrix: SO

Batch ID: OP4109

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46006-3MS, JC46006-3MSD were used as the QC samples indicated.
- Matrix Spike Recovery(s) for 2,4-Dinitrophenol, 2-Nitrophenol, 3-Nitroaniline, 4,6-Dinitro-o-cresol, 4-Nitrophenol, Fluoranthene, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- Matrix Spike Duplicate Recovery(s) for 2,4-Dinitrophenol, 4-Nitrophenol, Hexachlorocyclopentadiene are outside control limits. Outside control limits due to matrix interference.
- RPD(s) for MSD for 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Nitrophenol, 3,3'-Dichlorobenzidine, 3-Nitroaniline, 4,6-Dinitro-o-cresol, 4-Chloroaniline, 4-Nitroaniline, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(a,h)anthracene, Fluoranthene, Hexachloroethane, Indeno(1,2,3-cd)pyrene, Pentachlorophenol, Pyrene are outside control limits for sample OP4109-MSD. Analytical precision exceeds in-house control limits.
- JC46006-7: Dilution required due to matrix interference.
- JC46006-7 for 2-Fluorophenol: Outside control limits due to dilution.
- JC46006-7 for Phenol-d5: Outside control limits due to dilution.
- JC46006-7 for Terphenyl-d14: Outside control limits due to dilution.
- JC46006-8 for 2-Fluorobiphenyl: Outside control limits due to dilution.
- JC46006-7 for Nitrobenzene-d5: Outside control limits due to dilution.
- JC46006-8 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JC46006-8 for Phenol-d5: Outside control limits due to dilution.
- JC46006-8 for Nitrobenzene-d5: Outside control limits due to dilution.
- JC46006-7 for 2,4,6-Tribromophenol: Outside control limits due to dilution.
- JC46006-8 for 2-Fluorophenol: Outside control limits due to dilution.
- JC46006-8 for Terphenyl-d14: Outside control limits due to dilution.
- JC46006-7 for 2-Fluorobiphenyl: Outside control limits due to dilution.

Extractables by GC By Method SW846 8081B

Matrix: AQ

Batch ID: OP4155

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- JC46006-2: Confirmation run.
- JC46006-1: Confirmation run.
- JC46006-2 for Decachlorobiphenyl: Outside of in house control limits, refer to re-extract.
- JC46006-1 for Decachlorobiphenyl: Outside of in house control limits, refer to re-extract.
- OP4155-BS1 for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4155-BSD for 4,4'-DDT: Reported from the 2nd signal. The %D of the CCV on the 1st signal exceeds the method criteria of 20%, so it being used for confirmation only.

Matrix: AQ

Batch ID: OP4236

- All method blanks for this batch meet method specific criteria.
- JC46006-2: Re-extracted for low surrogate recovery. originally prep date was within holding time.
- JC46006-1: Re-extracted for low surrogate recovery. originally prep date was within holding time.
- OP4236-BSD for Endrin aldehyde: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4236-BSD for Endosulfan-II: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4236-BS1 for Endosulfan-II: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4236-BSD for 4,4'-DDD: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4236-BS1 for Endrin aldehyde: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4236-BS1 for 4,4'-DDD: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

Matrix: SO

Batch ID: OP4111

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45908-2MS, JC45908-2MSD, OP4111-MSMSD were used as the QC samples indicated.
- JC46006-5: Confirmation run.
- JC46006-6: Confirmation run.
- JC46006-4: Confirmation run.
- JC46006-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-5 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-3 for Tetrachloro-m-xylene: Outside control limits due to matrix interference.
- JC46006-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-6 for Methoxychlor: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-6 for Endrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-5 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- JC46006-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-4 for gamma-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-4 for Endrin: More than 40 % RPD for detected concentrations between the two GC columns.

Wednesday, July 12, 2017

Page 3 of 7

Extractables by GC By Method SW846 8081B

Matrix: SO**Batch ID:** OP4111

- JC46006-4 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-4 for alpha-Chlordane: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-4 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-4 for 4,4'-DDE: More than 40 % RPD for detected concentrations between the two GC columns.

Matrix: SO**Batch ID:** OP4185

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46240-3MS, JC46240-3MSD, OP4185-MSMSD were used as the QC samples indicated.
- OP4185-BS1 for 4,4'-DDD: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.
- OP4185-BS1 for Endosulfan-II: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

Matrix: SO**Batch ID:** OP4233

- All samples were extracted within the recommended method holding time.
- Sample(s) JC46339-3MS, JC46339-3MSD, OP4233-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- Matrix Spike Recovery(s) for Endosulfan sulfate are outside control limits. Outside the QC limits.
- RPD(s) for MSD for Endosulfan sulfate, Endrin aldehyde, Endrin ketone are outside control limits for sample OP4233-MSD. Outside the QC limits.
- JC46006-10 for Dieldrin: More than 40 % RPD for detected concentrations between the two GC columns.
- JC46006-8 for 4,4'-DDT: More than 40 % RPD for detected concentrations between the two GC columns.
- OP4233-BS1 for 4,4'-DDT: Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only.

Extractables by GC By Method SW846 8082A

Matrix: AQ**Batch ID:** OP4154

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46108-1MS, JC46108-1MSD, OP4154-MSMSD were used as the QC samples indicated.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Aroclor 1016 are outside control limits. Outside control limits due to presence of other Aroclor pattern.
- JC46006-2 for Decachlorobiphenyl: Outside of in house control limits. There's no sample left to reextract.
- JC46006-1 for Decachlorobiphenyl: Outside of in house control limits. There's no sample left to reextract.

Matrix: SO**Batch ID:** OP4110

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45908-1MS, JC45908-1MSD, OP4110-MSMSD were used as the QC samples indicated.
- JC46006-6 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-4 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP4110-MS for Decachlorobiphenyl: Outside control limits due to matrix interference.
- OP4110-MSD for Decachlorobiphenyl: Outside control limits due to matrix interference.

Matrix: SO**Batch ID:** OP4118

- All samples were extracted within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46060-1MS, JC46060-1MSD, OP4118-MSMSD were used as the QC samples indicated.
- JC46006-10 for Decachlorobiphenyl: Outside control limits due to matrix interference.
- JC46006-9 for Decachlorobiphenyl: Outside control limits due to matrix interference.

Matrix: SO**Batch ID:** OP4184

- All samples were extracted within the recommended method holding time.
- Sample(s) JC46240-2MS, JC46240-2MSD, OP4184-MSMSD were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010C

Matrix: AQ

Batch ID: MP1689

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) MC50798-1MS, MC50798-1MSD, MC50798-1SDL were used as the QC samples for metals.
- RPD(s) for Serial Dilution for Aluminum, Copper, Nickel, Selenium are outside control limits for sample MP1689-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JC46006-11 for Copper: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Sodium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Calcium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Vanadium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Barium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Silver: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Arsenic: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Antimony: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Aluminum: Elevated sample detection limit due to difficult sample matrix.
- MP1689-SD1 for Zinc: Serial dilution indicates possible matrix interference.
- JC46006-11 for Zinc: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Cadmium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Iron: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Lead: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Thallium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Chromium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Cobalt: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Magnesium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Manganese: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Nickel: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Potassium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Selenium: Elevated sample detection limit due to difficult sample matrix.
- JC46006-11 for Beryllium: Elevated sample detection limit due to difficult sample matrix.

Matrix: SO

Batch ID: MP1694

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45822-1AMS, JC45822-1AMSD, JC45822-1APS, JC45822-1ASDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Aluminum, Lead, Zinc are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike Duplicate Recovery(s) for Aluminum, Copper, Lead are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.
- Matrix Spike / Matrix Spike Duplicate Recovery(s) for Calcium are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for MSD for Lead are outside control limits for sample MP1694-S2. High rpd due to possible sample nonhomogeneity.
- RPD(s) for Serial Dilution for Antimony, Cadmium, Selenium, Silver are outside control limits for sample MP1694-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- JC46006-10 for Antimony: Elevated detection limit due to dilution required for high interfering element.
- JC46006-10 for Thallium: Elevated detection limit due to dilution required for high interfering element.

Wednesday, July 12, 2017

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Metals By Method SW846 6010C

Matrix: SO	Batch ID: MP1694
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- JC46006-10 for Silver: Elevated detection limit due to dilution required for high interfering element.
- JC46006-10 for Arsenic: Elevated detection limit due to dilution required for high interfering element.
- JC46006-10 for Selenium: Elevated detection limit due to dilution required for high interfering element.
- MP1694-PS1 for Iron: Spike recovery indicates possible matrix interference.
- MP1694-PS1 for Zinc: Spike recovery indicates possible matrix interference.

Metals By Method SW846 7470A

Matrix: AQ	Batch ID: MP1711
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- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC46012-2MS, JC46012-2MSD were used as the QC samples for metals.
- JC46006-11 for Mercury: Elevated sample detection limit due to difficult sample matrix.

Metals By Method SW846 7471B

Matrix: SO	Batch ID: MP1715
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- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JC45722-12AMS, JC45722-12AMSD were used as the QC samples for metals.

Wet Chemistry By Method SM2540 G-97

Matrix: SO	Batch ID: GN66441
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- The data for SM2540 G-97 meets quality control requirements.

Matrix: SO	Batch ID: GN66442
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- The data for SM2540 G-97 meets quality control requirements.

SGS Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS Accutest is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS Accutest indicated via signature on the report cover

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC46006-1 FB-1

No hits reported in this sample.

JC46006-2 FB-2

No hits reported in this sample.

JC46006-3 SB-9 (8-9)

Acetone	0.0148	0.0099	0.0050	mg/kg	SW846 8260C
Benzene	0.0035	0.00050	0.00012	mg/kg	SW846 8260C
Carbon disulfide	0.0021	0.0020	0.00017	mg/kg	SW846 8260C
Cyclohexane	0.0167	0.0020	0.00054	mg/kg	SW846 8260C
Ethylbenzene	0.0036	0.00099	0.00015	mg/kg	SW846 8260C
Isopropylbenzene	0.0286	0.0020	0.00015	mg/kg	SW846 8260C
Methylcyclohexane	0.768	0.19	0.047	mg/kg	SW846 8260C
Methyl Tert Butyl Ether	0.00060 J	0.00099	0.00026	mg/kg	SW846 8260C
Toluene	0.0013	0.00099	0.00012	mg/kg	SW846 8260C
m,p-Xylene	0.0041	0.00099	0.00022	mg/kg	SW846 8260C
o-Xylene	0.00098 J	0.00099	0.00020	mg/kg	SW846 8260C
Xylene (total)	0.0051	0.00099	0.00020	mg/kg	SW846 8260C
Total TIC, Volatile	1.29 J			mg/kg	
2,4-Dimethylphenol	0.117 J	0.19	0.068	mg/kg	SW846 8270D
2-Methylphenol	0.0596 J	0.076	0.024	mg/kg	SW846 8270D
3&4-Methylphenol	0.523	0.076	0.031	mg/kg	SW846 8270D
Phenol	0.0720 J	0.076	0.020	mg/kg	SW846 8270D
Acenaphthene	0.335	0.038	0.013	mg/kg	SW846 8270D
Acenaphthylene	0.140	0.038	0.019	mg/kg	SW846 8270D
Anthracene	0.506	0.038	0.023	mg/kg	SW846 8270D
Benzo(a)anthracene	1.01	0.038	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene	0.873	0.038	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene	1.09	0.038	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene	0.511	0.038	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene	0.355	0.038	0.018	mg/kg	SW846 8270D
1,1'-Biphenyl	0.0867	0.076	0.0052	mg/kg	SW846 8270D
Carbazole	0.113	0.076	0.0055	mg/kg	SW846 8270D
Chrysene	1.07	0.038	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene	0.152	0.038	0.017	mg/kg	SW846 8270D
Dibenzofuran	0.270	0.076	0.015	mg/kg	SW846 8270D
Fluoranthene	2.03	0.038	0.017	mg/kg	SW846 8270D
Fluorene	0.411	0.038	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.556	0.038	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene	1.08	0.076	0.0086	mg/kg	SW846 8270D
Naphthalene	0.896	0.038	0.011	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Phenanthrene		2.20	0.038	0.013	mg/kg	SW846 8270D
Pyrene		1.70	0.038	0.012	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		32.69 J			mg/kg	
Aluminum		5460	57		mg/kg	SW846 6010C
Arsenic		7.9	2.3		mg/kg	SW846 6010C
Barium		123	23		mg/kg	SW846 6010C
Beryllium		0.39	0.23		mg/kg	SW846 6010C
Calcium		19200	570		mg/kg	SW846 6010C
Chromium		13.0	1.1		mg/kg	SW846 6010C
Copper		18.1	2.8		mg/kg	SW846 6010C
Iron		11700	57		mg/kg	SW846 6010C
Lead		148	2.3		mg/kg	SW846 6010C
Magnesium		5220	570		mg/kg	SW846 6010C
Manganese		252	1.7		mg/kg	SW846 6010C
Mercury		0.55	0.035		mg/kg	SW846 7471B
Nickel		15.1	4.6		mg/kg	SW846 6010C
Selenium		2.6	2.3		mg/kg	SW846 6010C
Vanadium		23.9	5.7		mg/kg	SW846 6010C
Zinc		81.3	5.7		mg/kg	SW846 6010C

JC46006-4 SB-6 (0-2)

Acetone		0.0062 J	0.0091	0.0046	mg/kg	SW846 8260C
1,2-Dichloroethane		0.00019 J	0.00091	0.00016	mg/kg	SW846 8260C
Ethylbenzene		0.0020	0.00091	0.00014	mg/kg	SW846 8260C
Toluene		0.00024 J	0.00091	0.00011	mg/kg	SW846 8260C
m,p-Xylene		0.0094	0.00091	0.00020	mg/kg	SW846 8260C
o-Xylene		0.0040	0.00091	0.00018	mg/kg	SW846 8260C
Xylene (total)		0.0134	0.00091	0.00018	mg/kg	SW846 8260C
Acenaphthene		1.02	0.036	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.214	0.036	0.018	mg/kg	SW846 8270D
Anthracene		2.89	0.036	0.022	mg/kg	SW846 8270D
Benzo(a)anthracene		6.07	0.36	0.10	mg/kg	SW846 8270D
Benzo(a)pyrene		5.41	0.36	0.17	mg/kg	SW846 8270D
Benzo(b)fluoranthene		6.91	0.36	0.16	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		3.78	0.36	0.18	mg/kg	SW846 8270D
Benzo(k)fluoranthene		1.96	0.036	0.017	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0912	0.073	0.0050	mg/kg	SW846 8270D
Carbazole		1.06	0.073	0.0053	mg/kg	SW846 8270D
Chrysene		6.74	0.36	0.11	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		1.19	0.036	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.771	0.073	0.015	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.127	0.073	0.0085	mg/kg	SW846 8270D
Fluoranthene		16.9	0.36	0.16	mg/kg	SW846 8270D
Fluorene		1.52	0.036	0.017	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Indeno(1,2,3-cd)pyrene		4.03	0.36	0.17	mg/kg	SW846 8270D
2-Methylnaphthalene		0.297	0.073	0.0082	mg/kg	SW846 8270D
Naphthalene		0.241	0.036	0.010	mg/kg	SW846 8270D
Phenanthrene		16.1	0.36	0.12	mg/kg	SW846 8270D
Pyrene		13.0	0.36	0.12	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		28.42 J			mg/kg	
alpha-Chlordane ^a		0.0068	0.00068	0.00032	mg/kg	SW846 8081B
gamma-Chlordane ^a		0.0062	0.00068	0.00030	mg/kg	SW846 8081B
Dieldrin ^a		0.0046	0.00068	0.00034	mg/kg	SW846 8081B
4,4' -DDE ^a		0.0042	0.00068	0.00036	mg/kg	SW846 8081B
4,4' -DDT ^a		0.0074	0.00068	0.00041	mg/kg	SW846 8081B
Endrin ^a		0.0178	0.00068	0.00032	mg/kg	SW846 8081B
Aluminum		5270	53		mg/kg	SW846 6010C
Arsenic		6.3	2.1		mg/kg	SW846 6010C
Barium		89.6	21		mg/kg	SW846 6010C
Beryllium		0.35	0.21		mg/kg	SW846 6010C
Calcium		15800	530		mg/kg	SW846 6010C
Chromium		15.9	1.1		mg/kg	SW846 6010C
Copper		64.3	2.7		mg/kg	SW846 6010C
Iron		16000	53		mg/kg	SW846 6010C
Lead		151	2.1		mg/kg	SW846 6010C
Magnesium		3640	530		mg/kg	SW846 6010C
Manganese		203	1.6		mg/kg	SW846 6010C
Mercury		0.26	0.035		mg/kg	SW846 7471B
Nickel		17.4	4.3		mg/kg	SW846 6010C
Vanadium		24.0	5.3		mg/kg	SW846 6010C
Zinc		202	5.3		mg/kg	SW846 6010C

JC46006-5 SB-6 (7-8)

Total TIC, Volatile		19.87 J			mg/kg	
Acenaphthene		0.553	0.036	0.012	mg/kg	SW846 8270D
Acenaphthylene		0.200	0.036	0.018	mg/kg	SW846 8270D
Anthracene		1.20	0.036	0.022	mg/kg	SW846 8270D
Benzo(a)anthracene		1.81	0.036	0.010	mg/kg	SW846 8270D
Benzo(a)pyrene		1.31	0.036	0.016	mg/kg	SW846 8270D
Benzo(b)fluoranthene		1.65	0.036	0.016	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.505	0.036	0.018	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.401	0.036	0.017	mg/kg	SW846 8270D
1,1'-Biphenyl		0.0784	0.071	0.0049	mg/kg	SW846 8270D
Carbazole		0.190	0.071	0.0052	mg/kg	SW846 8270D
Chrysene		1.76	0.036	0.011	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.166	0.036	0.016	mg/kg	SW846 8270D
Dibenzofuran		0.626	0.071	0.015	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate		0.154	0.071	0.0084	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Fluoranthene		5.69	0.14	0.064	mg/kg	SW846 8270D
Fluorene		1.47	0.036	0.016	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.566	0.036	0.017	mg/kg	SW846 8270D
Naphthalene		0.267	0.036	0.010	mg/kg	SW846 8270D
Phenanthrene		4.75	0.14	0.048	mg/kg	SW846 8270D
Pyrene		4.27	0.14	0.046	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		51.7 J			mg/kg	
4,4'-DDD		0.0017	0.00072	0.00046	mg/kg	SW846 8081B
4,4'-DDT ^b		0.0054	0.00072	0.00043	mg/kg	SW846 8081B
Aluminum		7090	55		mg/kg	SW846 6010C
Arsenic		5.4	2.2		mg/kg	SW846 6010C
Barium		70.4	22		mg/kg	SW846 6010C
Beryllium		0.44	0.22		mg/kg	SW846 6010C
Calcium		9080	550		mg/kg	SW846 6010C
Chromium		18.3	1.1		mg/kg	SW846 6010C
Cobalt		7.9	5.5		mg/kg	SW846 6010C
Copper		36.5	2.7		mg/kg	SW846 6010C
Iron		13800	55		mg/kg	SW846 6010C
Lead		115	2.2		mg/kg	SW846 6010C
Magnesium		3990	550		mg/kg	SW846 6010C
Manganese		182	1.6		mg/kg	SW846 6010C
Mercury		0.21	0.035		mg/kg	SW846 7471B
Nickel		39.1	4.4		mg/kg	SW846 6010C
Potassium		1110	1100		mg/kg	SW846 6010C
Vanadium		26.6	5.5		mg/kg	SW846 6010C
Zinc		279	5.5		mg/kg	SW846 6010C

JC46006-6 SB-7 (0-2)

Acetone		0.0060 J	0.011	0.0054	mg/kg	SW846 8260C
Carbon disulfide		0.00021 J	0.0022	0.00018	mg/kg	SW846 8260C
Ethylbenzene		0.00030 J	0.0011	0.00016	mg/kg	SW846 8260C
Isopropylbenzene		0.00026 J	0.0022	0.00017	mg/kg	SW846 8260C
Tetrachloroethene		0.00037 J	0.0022	0.00030	mg/kg	SW846 8260C
m,p-Xylene		0.0012	0.0011	0.00024	mg/kg	SW846 8260C
o-Xylene		0.00076 J	0.0011	0.00022	mg/kg	SW846 8260C
Xylene (total)		0.0020	0.0011	0.00022	mg/kg	SW846 8260C
Total TIC, Volatile		0.2684 J			mg/kg	
2,4-Dimethylphenol		0.114 J	0.18	0.065	mg/kg	SW846 8270D
2-Methylphenol		0.0660 J	0.073	0.023	mg/kg	SW846 8270D
3&4-Methylphenol		0.214	0.073	0.030	mg/kg	SW846 8270D
Phenol		0.108	0.073	0.019	mg/kg	SW846 8270D
Acenaphthene		2.50	0.036	0.013	mg/kg	SW846 8270D
Acenaphthylene		1.55	0.036	0.018	mg/kg	SW846 8270D
Anthracene		4.04	0.73	0.44	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(a)anthracene		15.2	0.73	0.21	mg/kg	SW846 8270D
Benzo(a)pyrene		12.7	0.73	0.33	mg/kg	SW846 8270D
Benzo(b)fluoranthene		15.9	0.73	0.32	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		7.51	0.73	0.36	mg/kg	SW846 8270D
Benzo(k)fluoranthene		4.97	0.73	0.34	mg/kg	SW846 8270D
1,1'-Biphenyl		0.293	0.073	0.0050	mg/kg	SW846 8270D
Carbazole		1.82	0.073	0.0053	mg/kg	SW846 8270D
Chrysene		14.0	0.73	0.23	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.597 J	0.73	0.32	mg/kg	SW846 8270D
Dibenzofuran		1.52	0.073	0.015	mg/kg	SW846 8270D
Fluoranthene		36.7	0.73	0.32	mg/kg	SW846 8270D
Fluorene		2.09	0.036	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		7.60	0.73	0.34	mg/kg	SW846 8270D
2-Methylnaphthalene		1.03	0.073	0.0082	mg/kg	SW846 8270D
Naphthalene		2.01	0.036	0.010	mg/kg	SW846 8270D
Phenanthrene		28.4	0.73	0.24	mg/kg	SW846 8270D
Pyrene		37.1	0.73	0.23	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		41.81 J			mg/kg	
Endrin ^a		0.0227	0.00066	0.00031	mg/kg	SW846 8081B
Methoxychlor ^a		0.0620	0.0013	0.00033	mg/kg	SW846 8081B
Aluminum		5300	55		mg/kg	SW846 6010C
Arsenic		9.2	2.2		mg/kg	SW846 6010C
Barium		270	22		mg/kg	SW846 6010C
Beryllium		0.33	0.22		mg/kg	SW846 6010C
Calcium		58500	1600		mg/kg	SW846 6010C
Chromium		14.4	1.1		mg/kg	SW846 6010C
Copper		40.8	2.7		mg/kg	SW846 6010C
Iron		19700	55		mg/kg	SW846 6010C
Lead		589	2.2		mg/kg	SW846 6010C
Magnesium		3220	550		mg/kg	SW846 6010C
Manganese		292	1.6		mg/kg	SW846 6010C
Mercury		1.0	0.067		mg/kg	SW846 7471B
Nickel		18.4	4.4		mg/kg	SW846 6010C
Potassium		1130	1100		mg/kg	SW846 6010C
Vanadium		17.6	5.5		mg/kg	SW846 6010C
Zinc		321	5.5		mg/kg	SW846 6010C
JC46006-7 SB-8 (5-6)						
Ethylbenzene ^c		0.138 J	0.14	0.021	mg/kg	SW846 8260C
Isopropylbenzene ^c		0.382	0.29	0.022	mg/kg	SW846 8260C
Methylcyclohexane ^c		0.368	0.29	0.072	mg/kg	SW846 8260C
Toluene ^c		0.0501 J	0.14	0.018	mg/kg	SW846 8260C
m,p-Xylene ^c		0.179	0.14	0.031	mg/kg	SW846 8260C
o-Xylene ^c		0.0915 J	0.14	0.029	mg/kg	SW846 8260C

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Xylene (total) ^c		0.270	0.14	0.029	mg/kg	SW846 8260C
Total TIC, Volatile		738 J			mg/kg	
Acenaphthene ^c		3.32	0.19	0.067	mg/kg	SW846 8270D
Anthracene ^c		1.91	0.19	0.12	mg/kg	SW846 8270D
Benzo(a)anthracene ^c		1.13	0.19	0.055	mg/kg	SW846 8270D
Benzo(a)pyrene ^c		0.793	0.19	0.089	mg/kg	SW846 8270D
Benzo(b)fluoranthene ^c		0.752	0.19	0.086	mg/kg	SW846 8270D
Benzo(g,h,i)perylene ^c		0.550	0.19	0.097	mg/kg	SW846 8270D
Benzo(k)fluoranthene ^c		0.285	0.19	0.091	mg/kg	SW846 8270D
Chrysene ^c		0.991	0.19	0.061	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene ^c		0.118 J	0.19	0.086	mg/kg	SW846 8270D
Fluoranthene ^c		2.01	0.19	0.087	mg/kg	SW846 8270D
Fluorene ^c		4.27	0.19	0.089	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene ^c		0.446	0.19	0.091	mg/kg	SW846 8270D
2-Methylnaphthalene		191	3.9	0.44	mg/kg	SW846 8270D
Naphthalene ^c		2.43	0.19	0.055	mg/kg	SW846 8270D
Phenanthrene ^c		8.52	0.19	0.065	mg/kg	SW846 8270D
Pyrene ^c		2.18	0.19	0.062	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		298.4 J			mg/kg	
Aluminum		2480	57		mg/kg	SW846 6010C
Barium		24.3	23		mg/kg	SW846 6010C
Calcium		2280	570		mg/kg	SW846 6010C
Chromium		7.2	1.1		mg/kg	SW846 6010C
Copper		10.6	2.9		mg/kg	SW846 6010C
Iron		8520	57		mg/kg	SW846 6010C
Lead		78.8	2.3		mg/kg	SW846 6010C
Magnesium		1560	570		mg/kg	SW846 6010C
Manganese		272	1.7		mg/kg	SW846 6010C
Mercury		0.090	0.037		mg/kg	SW846 7471B
Nickel		5.8	4.6		mg/kg	SW846 6010C
Vanadium		13.7	5.7		mg/kg	SW846 6010C
Zinc		24.3	5.7		mg/kg	SW846 6010C
JC46006-8 SB-8 (0-2)						
1,2-Dichlorobenzene ^c		0.0857 J	0.17	0.030	mg/kg	SW846 8260C
Ethylbenzene ^c		0.0387 J	0.17	0.026	mg/kg	SW846 8260C
Tetrachloroethene ^c		0.0604 J	0.35	0.049	mg/kg	SW846 8260C
Toluene ^c		0.0582 J	0.17	0.022	mg/kg	SW846 8260C
m,p-Xylene ^c		0.0753 J	0.17	0.038	mg/kg	SW846 8260C
o-Xylene ^c		0.0406 J	0.17	0.035	mg/kg	SW846 8260C
Xylene (total) ^c		0.116 J	0.17	0.035	mg/kg	SW846 8260C
Total TIC, Volatile		1467 J			mg/kg	
3&4-Methylphenol		0.862	0.084	0.035	mg/kg	SW846 8270D
Phenol		0.0979	0.084	0.022	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthene		0.131	0.042	0.014	mg/kg	SW846 8270D
Acenaphthylene		0.154	0.042	0.021	mg/kg	SW846 8270D
Anthracene		0.205	0.042	0.026	mg/kg	SW846 8270D
Benzo(a)anthracene		0.203	0.042	0.012	mg/kg	SW846 8270D
Benzo(a)pyrene		0.106	0.042	0.019	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.170	0.042	0.019	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.0656	0.042	0.021	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.0377 J	0.042	0.020	mg/kg	SW846 8270D
1,1'-Biphenyl		0.253	0.084	0.0058	mg/kg	SW846 8270D
Carbazole		0.0491 J	0.084	0.0061	mg/kg	SW846 8270D
Chrysene		0.209	0.042	0.013	mg/kg	SW846 8270D
Dibenzofuran		0.189	0.084	0.017	mg/kg	SW846 8270D
Fluoranthene		0.576	0.042	0.019	mg/kg	SW846 8270D
Fluorene		0.136	0.042	0.019	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.0497	0.042	0.020	mg/kg	SW846 8270D
2-Methylnaphthalene		30.0	4.2	0.47	mg/kg	SW846 8270D
Naphthalene		54.9	2.1	0.59	mg/kg	SW846 8270D
Phenanthrene		1.04	0.042	0.014	mg/kg	SW846 8270D
Pyrene		0.789	0.042	0.013	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		69.8 J			mg/kg	
4,4'-DDT ^a		0.00084	0.00082	0.00049	mg/kg	SW846 8081B
Aluminum		3230	61		mg/kg	SW846 6010C
Arsenic		7.7	2.5		mg/kg	SW846 6010C
Barium		59.9	25		mg/kg	SW846 6010C
Beryllium		0.87	0.25		mg/kg	SW846 6010C
Calcium		1930	610		mg/kg	SW846 6010C
Chromium		6.5	1.2		mg/kg	SW846 6010C
Cobalt		6.3	6.1		mg/kg	SW846 6010C
Copper		41.1	3.1		mg/kg	SW846 6010C
Iron		18100	61		mg/kg	SW846 6010C
Lead		135	2.5		mg/kg	SW846 6010C
Manganese		50.6	1.8		mg/kg	SW846 6010C
Mercury		0.53	0.041		mg/kg	SW846 7471B
Nickel		15.2	4.9		mg/kg	SW846 6010C
Selenium		2.7	2.5		mg/kg	SW846 6010C
Vanadium		8.5	6.1		mg/kg	SW846 6010C
Zinc		49.3	6.1		mg/kg	SW846 6010C

JC46006-9 SB-9 (0-2)

Methylcyclohexane		0.0026 J	0.0030	0.00076	mg/kg	SW846 8260C
2,4-Dimethylphenol		0.0789 J	0.18	0.065	mg/kg	SW846 8270D
2-Methylphenol		0.0990	0.074	0.023	mg/kg	SW846 8270D
3&4-Methylphenol		0.380	0.074	0.030	mg/kg	SW846 8270D
Phenol		0.320	0.074	0.019	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Acenaphthene		0.573	0.037	0.013	mg/kg	SW846 8270D
Acenaphthylene		1.52	0.037	0.019	mg/kg	SW846 8270D
Anthracene		6.24	0.74	0.45	mg/kg	SW846 8270D
Benzo(a)anthracene		16.7	0.74	0.21	mg/kg	SW846 8270D
Benzo(a)pyrene		15.0	0.74	0.33	mg/kg	SW846 8270D
Benzo(b)fluoranthene		16.4	0.74	0.33	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		8.17	0.74	0.37	mg/kg	SW846 8270D
Benzo(k)fluoranthene		7.02	0.74	0.34	mg/kg	SW846 8270D
1,1'-Biphenyl		0.115	0.074	0.0050	mg/kg	SW846 8270D
Benzaldehyde		0.0545 J	0.18	0.0091	mg/kg	SW846 8270D
Carbazole		0.285	0.074	0.0053	mg/kg	SW846 8270D
Chrysene		16.3	0.74	0.23	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		2.43	0.74	0.33	mg/kg	SW846 8270D
Dibenzofuran		0.358	0.074	0.015	mg/kg	SW846 8270D
Fluoranthene		32.9	0.74	0.33	mg/kg	SW846 8270D
Fluorene		0.845	0.037	0.017	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		9.22	0.74	0.34	mg/kg	SW846 8270D
2-Methylnaphthalene		0.391	0.074	0.0083	mg/kg	SW846 8270D
Naphthalene		1.80	0.037	0.010	mg/kg	SW846 8270D
Phenanthrene		14.3	0.74	0.25	mg/kg	SW846 8270D
Pyrene		25.9	0.74	0.24	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		77.2 J			mg/kg	
Aluminum		4470	55		mg/kg	SW846 6010C
Arsenic		3.3	2.2		mg/kg	SW846 6010C
Barium		58.3	22		mg/kg	SW846 6010C
Beryllium		0.33	0.22		mg/kg	SW846 6010C
Calcium		1790	550		mg/kg	SW846 6010C
Chromium		8.6	1.1		mg/kg	SW846 6010C
Cobalt		6.0	5.5		mg/kg	SW846 6010C
Copper		19.6	2.8		mg/kg	SW846 6010C
Iron		12700	55		mg/kg	SW846 6010C
Lead		65.5	2.2		mg/kg	SW846 6010C
Magnesium		1160	550		mg/kg	SW846 6010C
Manganese		602	1.7		mg/kg	SW846 6010C
Mercury		0.23	0.034		mg/kg	SW846 7471B
Nickel		18.0	4.4		mg/kg	SW846 6010C
Vanadium		13.4	5.5		mg/kg	SW846 6010C
Zinc		29.9	5.5		mg/kg	SW846 6010C

JC46006-10 SB-7 (7-8)

Benzene		0.00035 J	0.00056	0.00013	mg/kg	SW846 8260C
Acenaphthene		0.0598	0.038	0.013	mg/kg	SW846 8270D
Acenaphthylene		0.0442	0.038	0.019	mg/kg	SW846 8270D
Anthracene		0.157	0.038	0.023	mg/kg	SW846 8270D

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Benzo(a)anthracene		0.412	0.038	0.011	mg/kg	SW846 8270D
Benzo(a)pyrene		0.383	0.038	0.017	mg/kg	SW846 8270D
Benzo(b)fluoranthene		0.503	0.038	0.017	mg/kg	SW846 8270D
Benzo(g,h,i)perylene		0.285	0.038	0.019	mg/kg	SW846 8270D
Benzo(k)fluoranthene		0.159	0.038	0.018	mg/kg	SW846 8270D
Carbazole		0.0581 J	0.076	0.0055	mg/kg	SW846 8270D
Chrysene		0.451	0.038	0.012	mg/kg	SW846 8270D
Dibenzo(a,h)anthracene		0.0767	0.038	0.017	mg/kg	SW846 8270D
Dibenzofuran		0.0387 J	0.076	0.016	mg/kg	SW846 8270D
Fluoranthene		0.935	0.038	0.017	mg/kg	SW846 8270D
Fluorene		0.0534	0.038	0.018	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene		0.293	0.038	0.018	mg/kg	SW846 8270D
2-Methylnaphthalene		0.0645 J	0.076	0.0086	mg/kg	SW846 8270D
Naphthalene		0.115	0.038	0.011	mg/kg	SW846 8270D
Phenanthrene		0.739	0.038	0.013	mg/kg	SW846 8270D
Pyrene		0.818	0.038	0.012	mg/kg	SW846 8270D
Total TIC, Semi-Volatile		2.33 J			mg/kg	
Dieldrin ^a		0.00051 J	0.00077	0.00038	mg/kg	SW846 8081B
Aluminum		3790	29		mg/kg	SW846 6010C
Barium		71.3	11		mg/kg	SW846 6010C
Beryllium		0.21	0.11		mg/kg	SW846 6010C
Calcium		118000	2900		mg/kg	SW846 6010C
Chromium		7.4	0.57		mg/kg	SW846 6010C
Cobalt		2.9	2.9		mg/kg	SW846 6010C
Copper		14.2	1.4		mg/kg	SW846 6010C
Iron		6360	29		mg/kg	SW846 6010C
Lead		215	1.1		mg/kg	SW846 6010C
Magnesium		2050	290		mg/kg	SW846 6010C
Manganese		205	0.86		mg/kg	SW846 6010C
Mercury		1.5	0.071		mg/kg	SW846 7471B
Nickel		8.4	2.3		mg/kg	SW846 6010C
Potassium		873	570		mg/kg	SW846 6010C
Vanadium		10.0	2.9		mg/kg	SW846 6010C
Zinc		60.0	2.9		mg/kg	SW846 6010C

JC46006-11 TW-9

Benzene		47.3	5.0	1.7	ug/l	SW846 8260C
Cyclohexane		171	50	6.3	ug/l	SW846 8260C
Ethylbenzene		43.5	10	2.2	ug/l	SW846 8260C
Isopropylbenzene		257	10	2.5	ug/l	SW846 8260C
Methylcyclohexane		3360	500	180	ug/l	SW846 8260C
Methyl Tert Butyl Ether		8.4 J	10	2.5	ug/l	SW846 8260C
Toluene		10.6	10	2.5	ug/l	SW846 8260C
m,p-Xylene		28.3	10	4.3	ug/l	SW846 8260C

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		3.9 J	10	2.2	ug/l	SW846 8260C
Xylene (total)		32.2	10	2.2	ug/l	SW846 8260C
Total TIC, Volatile		11390 J			ug/l	
Acenaphthene ^c		27.2	2.0	0.38	ug/l	SW846 8270D
Anthracene ^c		17.4	2.0	0.42	ug/l	SW846 8270D
Benzo(a)anthracene ^c		13.2	2.0	0.41	ug/l	SW846 8270D
Benzo(a)pyrene ^c		7.1	2.0	0.43	ug/l	SW846 8270D
Benzo(b)fluoranthene ^c		8.2	2.0	0.41	ug/l	SW846 8270D
Benzo(g,h,i)perylene ^c		2.6	2.0	0.68	ug/l	SW846 8270D
Benzo(k)fluoranthene ^c		3.2	2.0	0.41	ug/l	SW846 8270D
Chrysene ^c		10.9	2.0	0.35	ug/l	SW846 8270D
Fluoranthene ^c		47.5	2.0	0.34	ug/l	SW846 8270D
Fluorene ^c		28.2	2.0	0.34	ug/l	SW846 8270D
Indeno(1,2,3-cd)pyrene ^c		3.1	2.0	0.66	ug/l	SW846 8270D
2-Methylnaphthalene ^c		5.2	2.0	0.42	ug/l	SW846 8270D
Phenanthrene ^c		88.3	2.0	0.35	ug/l	SW846 8270D
Pyrene ^c		36.0	2.0	0.44	ug/l	SW846 8270D
Total TIC, Semi-Volatile		2049 J			ug/l	
Aluminum ^d		18600	1000		ug/l	SW846 6010C
Arsenic ^d		38.0	15		ug/l	SW846 6010C
Calcium ^d		200000	25000		ug/l	SW846 6010C
Chromium ^d		64.5	50		ug/l	SW846 6010C
Copper ^d		89.5	50		ug/l	SW846 6010C
Iron ^d		62800	500		ug/l	SW846 6010C
Lead ^d		955	15		ug/l	SW846 6010C
Magnesium ^d		44700	25000		ug/l	SW846 6010C
Manganese ^d		1640	75		ug/l	SW846 6010C
Mercury ^d		6.3	0.60		ug/l	SW846 7470A
Nickel ^d		118	50		ug/l	SW846 6010C
Sodium ^d		184000	50000		ug/l	SW846 6010C
Zinc ^d		514	100		ug/l	SW846 6010C

JC46006-11F TW-9

Arsenic	10.2	3.0	ug/l	SW846 6010C
Barium	211	200	ug/l	SW846 6010C
Calcium	219000	5000	ug/l	SW846 6010C
Iron	9890	100	ug/l	SW846 6010C
Lead	13.0	3.0	ug/l	SW846 6010C
Magnesium	39500	5000	ug/l	SW846 6010C
Manganese	1240	15	ug/l	SW846 6010C
Potassium	36100	10000	ug/l	SW846 6010C
Sodium	172000	10000	ug/l	SW846 6010C

Summary of Hits

Job Number: JC46006
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17



Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC46006-12 TRIP BLANK

No hits reported in this sample.

- (a) More than 40 % RPD for detected concentrations between the two GC columns.
- (b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20% , so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.
- (c) Dilution required due to matrix interference.
- (d) Elevated sample detection limit due to difficult sample matrix.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 06/27/17
Lab Sample ID: JC46006-1		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D168024.D	1	06/30/17 17:57	EC	n/a	n/a	V2D7045
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 06/27/17
Lab Sample ID: JC46006-1		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		76-120%
17060-07-0	1,2-Dichloroethane-D4	92%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	105%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.44	31	ug/l	JB
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 06/27/17
Lab Sample ID: JC46006-1		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.66	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.41	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.56	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.1	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.24	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.50	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.34	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.1	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.1	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.1	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.65	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.49	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.1	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-1		Date Sampled: 06/27/17
Lab Sample ID: JC46006-1		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	67%		36-151%
4165-60-0	Nitrobenzene-d5	71%		34-128%
321-60-8	2-Fluorobiphenyl	67%		38-119%
1718-51-0	Terphenyl-d14	83%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.77	5.1	ug/l	J
	system artifact	4.02	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: FB-1	Date Sampled: 06/27/17
Lab Sample ID: JC46006-1	Date Received: 06/28/17
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171790.D	1	07/03/17 18:28	JR	06/30/17 16:10	OP4154	GEF6000
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.21	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.24	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.17	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.14	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.16	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	69%		11-166%
877-09-8	Tetrachloro-m-xylene	76%		11-166%
2051-24-3	Decachlorobiphenyl	9% ^a		10-150%
2051-24-3	Decachlorobiphenyl	11%		10-150%

(a) Outside of in house control limits. There's no sample left to reextract.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID: FB-1	Date Sampled: 06/27/17
Lab Sample ID: JC46006-1	Date Received: 06/28/17
Matrix: AQ - Field Blank Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Barium	< 200	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Calcium	< 5000	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cobalt	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Iron	< 100	100	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Manganese	< 15	15	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/29/17	06/30/17	JA	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Sodium	< 10000	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Vanadium	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³

(1) Instrument QC Batch: MA42337

(2) Instrument QC Batch: MA42341

(3) Prep QC Batch: MP1689

(4) Prep QC Batch: MP1711

RL = Reporting Limit

4.1
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 06/27/17
Lab Sample ID: JC46006-2		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		76-120%
17060-07-0	1,2-Dichloroethane-D4	94%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	102%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.44	33	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 06/27/17
Lab Sample ID: JC46006-2		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5P40303.D	1	07/03/17 01:34	CS	07/02/17 08:00	OP4169	E5P1980
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1000 ml	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	5.0	0.82	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	0.89	ug/l	
120-83-2	2,4-Dichlorophenol	ND	2.0	1.3	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.4	ug/l	
51-28-5	2,4-Dinitrophenol	ND	10	1.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	5.0	1.3	ug/l	
95-48-7	2-Methylphenol	ND	2.0	0.89	ug/l	
	3&4-Methylphenol	ND	2.0	0.88	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	0.96	ug/l	
100-02-7	4-Nitrophenol	ND	10	1.2	ug/l	
87-86-5	Pentachlorophenol	ND	4.0	1.4	ug/l	
108-95-2	Phenol	ND	2.0	0.39	ug/l	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	5.0	1.5	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	1.3	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	0.92	ug/l	
83-32-9	Acenaphthene	ND	1.0	0.19	ug/l	
208-96-8	Acenaphthylene	ND	1.0	0.14	ug/l	
98-86-2	Acetophenone	ND	2.0	0.21	ug/l	
120-12-7	Anthracene	ND	1.0	0.21	ug/l	
1912-24-9	Atrazine	ND	2.0	0.45	ug/l	
100-52-7	Benzaldehyde	ND	5.0	0.29	ug/l	
56-55-3	Benzo(a)anthracene	ND	1.0	0.20	ug/l	
50-32-8	Benzo(a)pyrene	ND	1.0	0.21	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.21	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.34	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.21	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.40	ug/l	
85-68-7	Butyl benzyl phthalate	ND	2.0	0.46	ug/l	
92-52-4	1,1'-Biphenyl	ND	1.0	0.21	ug/l	
91-58-7	2-Chloronaphthalene	ND	2.0	0.24	ug/l	
106-47-8	4-Chloroaniline	ND	5.0	0.34	ug/l	
86-74-8	Carbazole	ND	1.0	0.23	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 06/27/17
Lab Sample ID: JC46006-2		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	2.0	0.65	ug/l	
218-01-9	Chrysene	ND	1.0	0.18	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	2.0	0.28	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	2.0	0.25	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	2.0	0.40	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.37	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	1.0	0.55	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	1.0	0.48	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	2.0	0.51	ug/l	
123-91-1	1,4-Dioxane	ND	1.0	0.66	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.33	ug/l	
132-64-9	Dibenzofuran	ND	5.0	0.22	ug/l	
84-74-2	Di-n-butyl phthalate	ND	2.0	0.50	ug/l	
117-84-0	Di-n-octyl phthalate	ND	2.0	0.23	ug/l	
84-66-2	Diethyl phthalate	ND	2.0	0.26	ug/l	
131-11-3	Dimethyl phthalate	ND	2.0	0.22	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	2.0	1.7	ug/l	
206-44-0	Fluoranthene	ND	1.0	0.17	ug/l	
86-73-7	Fluorene	ND	1.0	0.17	ug/l	
118-74-1	Hexachlorobenzene	ND	1.0	0.33	ug/l	
87-68-3	Hexachlorobutadiene	ND	1.0	0.49	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	10	2.8	ug/l	
67-72-1	Hexachloroethane	ND	2.0	0.39	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.33	ug/l	
78-59-1	Isophorone	ND	2.0	0.28	ug/l	
91-57-6	2-Methylnaphthalene	ND	1.0	0.21	ug/l	
88-74-4	2-Nitroaniline	ND	5.0	0.28	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	0.39	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	0.44	ug/l	
91-20-3	Naphthalene	ND	1.0	0.23	ug/l	
98-95-3	Nitrobenzene	ND	2.0	0.64	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	2.0	0.48	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	0.22	ug/l	
85-01-8	Phenanthrene	ND	1.0	0.18	ug/l	
129-00-0	Pyrene	ND	1.0	0.22	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	2.0	0.37	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	47%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: FB-2 Lab Sample ID: JC46006-2 Matrix: AQ - Field Blank Water Method: SW846 8270D SW846 3510C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: n/a
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ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	31%		10-110%
118-79-6	2,4,6-Tribromophenol	70%		36-151%
4165-60-0	Nitrobenzene-d5	72%		34-128%
321-60-8	2-Fluorobiphenyl	70%		38-119%
1718-51-0	Terphenyl-d14	75%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	3.77	5.2	ug/l	J
	system artifact	4.02	4.1	ug/l	J
	Total TIC, Semi-Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: FB-2		Date Sampled: 06/27/17
Lab Sample ID: JC46006-2		Date Received: 06/28/17
Matrix: AQ - Field Blank Water		Percent Solids: n/a
Method: SW846 8082A SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171791.D	1	07/03/17 18:53	JR	06/30/17 16:10	OP4154	GEF6000
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.21	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.24	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.17	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.14	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.16	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		11-166%
877-09-8	Tetrachloro-m-xylene	80%		11-166%
2051-24-3	Decachlorobiphenyl	7% ^a		10-150%
2051-24-3	Decachlorobiphenyl	10%		10-150%

(a) Outside of in house control limits. There's no sample left to reextract.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID: FB-2 Lab Sample ID: JC46006-2 Matrix: AQ - Field Blank Water Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: n/a
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Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Arsenic	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Barium	< 200	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Calcium	< 5000	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cobalt	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Iron	< 100	100	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Lead	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Magnesium	< 5000	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Manganese	< 15	15	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/29/17	06/30/17	JA	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Potassium	< 10000	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Sodium	< 10000	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Vanadium	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³

- (1) Instrument QC Batch: MA42337
- (2) Instrument QC Batch: MA42341
- (3) Prep QC Batch: MP1689
- (4) Prep QC Batch: MP1711

RL = Reporting Limit

4.2
4

Report of Analysis

Client Sample ID: SB-9 (8-9) Lab Sample ID: JC46006-3 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 85.3
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-methyl- isomer	17.42	.091	mg/kg	J
	C4 alkyl benzene	17.59	.095	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	17.90	.1	mg/kg	J
	1H-Indene-dihydro-methyl- isomer	18.05	.1	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	18.27	.094	mg/kg	J
	Total TIC, Volatile		1.29	mg/kg	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-9 (8-9)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-3		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 85.3
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z123197.D	1	07/05/17 13:09	FW	07/01/17 07:30	OP4109	EZ6103
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.076	0.019	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.032	mg/kg	
105-67-9	2,4-Dimethylphenol	0.117	0.19	0.068	mg/kg	J
51-28-5	2,4-Dinitrophenol	ND	0.19	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.041	mg/kg	
95-48-7	2-Methylphenol	0.0596	0.076	0.024	mg/kg	J
	3&4-Methylphenol	0.523	0.076	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.025	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.10	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.036	mg/kg	
108-95-2	Phenol	0.0720	0.076	0.020	mg/kg	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.025	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.028	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.023	mg/kg	
83-32-9	Acenaphthene	0.335	0.038	0.013	mg/kg	
208-96-8	Acenaphthylene	0.140	0.038	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0082	mg/kg	
120-12-7	Anthracene	0.506	0.038	0.023	mg/kg	
1912-24-9	Atrazine	ND	0.076	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	1.01	0.038	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	0.873	0.038	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.09	0.038	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.511	0.038	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.355	0.038	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.076	0.0093	mg/kg	
92-52-4	1,1'-Biphenyl	0.0867	0.076	0.0052	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0094	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	0.0090	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.014	mg/kg	
86-74-8	Carbazole	0.113	0.076	0.0055	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-9 (8-9)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-3		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 85.3
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G82922.D	1	07/03/17 03:50	CP	06/30/17 16:10	OP4111	G4G2163
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00072	0.00035	mg/kg	
319-84-6	alpha-BHC	ND	0.00072	0.00039	mg/kg	
319-85-7	beta-BHC	ND	0.00072	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00072	0.00033	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00072	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00072	0.00034	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00072	0.00032	mg/kg	
60-57-1	Dieldrin	ND	0.00072	0.00036	mg/kg	
72-54-8	4,4' -DDD	ND	0.00072	0.00046	mg/kg	
72-55-9	4,4' -DDE	ND	0.00072	0.00038	mg/kg	
50-29-3	4,4' -DDT	ND	0.00072	0.00043	mg/kg	
72-20-8	Endrin	ND	0.00072	0.00034	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00072	0.00029	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00072	0.00043	mg/kg	
959-98-8	Endosulfan-I	ND	0.00072	0.00038	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00072	0.00038	mg/kg	
76-44-8	Heptachlor	ND	0.00072	0.00035	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00072	0.00039	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00036	mg/kg	
53494-70-5	Endrin ketone	ND	0.00072	0.00056	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.0075	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	150% ^a		25-135%
877-09-8	Tetrachloro-m-xylene	105%		25-135%
2051-24-3	Decachlorobiphenyl	123%		10-156%
2051-24-3	Decachlorobiphenyl	78%		10-156%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-9 (8-9)	Date Sampled: 06/27/17
Lab Sample ID: JC46006-3	Date Received: 06/28/17
Matrix: SO - Soil	Percent Solids: 85.3
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171815.D	1	07/04/17 04:53	JR	06/30/17 16:10	OP4110	GEF6000
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.2 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	74%		24-152%
877-09-8	Tetrachloro-m-xylene	76%		24-152%
2051-24-3	Decachlorobiphenyl	104%		10-166%
2051-24-3	Decachlorobiphenyl	94%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.3
4

Report of Analysis

Client Sample ID: SB-9 (8-9) Lab Sample ID: JC46006-3 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 85.3
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5460	57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.3	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	7.9	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	123	23	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.39	0.23	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.57	0.57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	19200	570	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	13.0	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	< 5.7	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	18.1	2.8	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	11700	57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	148	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	5220	570	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	252	1.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.55	0.035	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	15.1	4.6	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	2.6	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.57	0.57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	23.9	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	81.3	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

- (1) Instrument QC Batch: MA42330
- (2) Instrument QC Batch: MA42342
- (3) Prep QC Batch: MP1694
- (4) Prep QC Batch: MP1715

RL = Reporting Limit

4.3
4

Report of Analysis

Client Sample ID: SB-6 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-4		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 90.0
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C219098.D	1	07/02/17 00:28	SY	n/a	n/a	VC8089
Run #2							

Run #1	Initial Weight
Run #1	6.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0062	0.0091	0.0046	mg/kg	J
71-43-2	Benzene	ND	0.00046	0.00011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0046	0.00029	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0018	0.00014	mg/kg	
75-25-2	Bromoform	ND	0.0046	0.00024	mg/kg	
74-83-9	Bromomethane	ND	0.0046	0.00044	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.0091	0.0016	mg/kg	
75-15-0	Carbon disulfide	ND	0.0018	0.00015	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0018	0.00015	mg/kg	
108-90-7	Chlorobenzene	ND	0.0018	0.00015	mg/kg	
75-00-3	Chloroethane	ND	0.0046	0.00039	mg/kg	
67-66-3	Chloroform	ND	0.0018	0.00022	mg/kg	
74-87-3	Chloromethane	ND	0.0046	0.00019	mg/kg	
110-82-7	Cyclohexane	ND	0.0018	0.00050	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0018	0.00044	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0018	0.00014	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.00091	0.00022	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.00091	0.00016	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.00091	0.00012	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.00091	0.00014	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0046	0.00050	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.00091	0.00017	mg/kg	
107-06-2	1,2-Dichloroethane	0.00019	0.00091	0.00016	mg/kg	J
75-35-4	1,1-Dichloroethene	ND	0.00091	0.00014	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.00091	0.00040	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.00091	0.00014	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0018	0.00028	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0018	0.00018	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0018	0.00020	mg/kg	
100-41-4	Ethylbenzene	0.0020	0.00091	0.00014	mg/kg	
76-13-1	Freon 113	ND	0.0046	0.00044	mg/kg	
591-78-6	2-Hexanone	ND	0.0046	0.0013	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-4		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 90.0
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0018	0.00014	mg/kg	
79-20-9	Methyl Acetate	ND	0.0046	0.0018	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0018	0.00046	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.00091	0.00024	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0046	0.00077	mg/kg	
75-09-2	Methylene chloride	ND	0.0046	0.00091	mg/kg	
100-42-5	Styrene	ND	0.0018	0.00013	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0018	0.00022	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0018	0.00026	mg/kg	
108-88-3	Toluene	0.00024	0.00091	0.00011	mg/kg	J
87-61-6	1,2,3-Trichlorobenzene	ND	0.0046	0.00046	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0046	0.00046	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0018	0.00015	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0018	0.00029	mg/kg	
79-01-6	Trichloroethene	ND	0.00091	0.00017	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0046	0.00057	mg/kg	
75-01-4	Vinyl chloride	ND	0.0018	0.00018	mg/kg	
	m,p-Xylene	0.0094	0.00091	0.00020	mg/kg	
95-47-6	o-Xylene	0.0040	0.00091	0.00018	mg/kg	
1330-20-7	Xylene (total)	0.0134	0.00091	0.00018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		72-129%
17060-07-0	1,2-Dichloroethane-D4	102%		73-132%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	101%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: SB-6 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-4		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 90.0
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z123200.D	1	07/05/17 14:56	FW	07/01/17 07:30	OP4109	EZ6103
Run #2	Z123215.D	10	07/05/17 20:46	FW	07/01/17 07:30	OP4109	EZ6103

Run #	Initial Weight	Final Volume
Run #1	30.6 g	1.0 ml
Run #2	30.6 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.065	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	ND	0.073	0.023	mg/kg	
	3&4-Methylphenol	ND	0.073	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.097	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.034	mg/kg	
108-95-2	Phenol	ND	0.073	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	1.02	0.036	0.013	mg/kg	
208-96-8	Acenaphthylene	0.214	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0078	mg/kg	
120-12-7	Anthracene	2.89	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	6.07 ^a	0.36	0.10	mg/kg	
50-32-8	Benzo(a)pyrene	5.41 ^a	0.36	0.17	mg/kg	
205-99-2	Benzo(b)fluoranthene	6.91 ^a	0.36	0.16	mg/kg	
191-24-2	Benzo(g,h,i)perylene	3.78 ^a	0.36	0.18	mg/kg	
207-08-9	Benzo(k)fluoranthene	1.96	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.0089	mg/kg	
92-52-4	1,1'-Biphenyl	0.0912	0.073	0.0050	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.0086	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	1.06	0.073	0.0053	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (0-2)	
Lab Sample ID: JC46006-4	Date Sampled: 06/27/17
Matrix: SO - Soil	Date Received: 06/28/17
Method: SW846 8270D SW846 3546	Percent Solids: 90.0
Project: 233-239 Nevins Street, Brooklyn, NY	

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.073	0.014	mg/kg	
218-01-9	Chrysene	6.74 ^a	0.36	0.11	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.073	0.0078	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.073	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.073	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.073	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.073	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	1.19	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	0.771	0.073	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.073	0.0059	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.073	0.0090	mg/kg	
84-66-2	Diethyl phthalate	ND	0.073	0.0077	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.073	0.0065	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.127	0.073	0.0085	mg/kg	
206-44-0	Fluoranthene	16.9 ^a	0.36	0.16	mg/kg	
86-73-7	Fluorene	1.52	0.036	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.073	0.0092	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	4.03 ^a	0.36	0.17	mg/kg	
78-59-1	Isophorone	ND	0.073	0.0078	mg/kg	
91-57-6	2-Methylnaphthalene	0.297	0.073	0.0082	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0086	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0091	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0094	mg/kg	
91-20-3	Naphthalene	0.241	0.036	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.073	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.073	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	16.1 ^a	0.36	0.12	mg/kg	
129-00-0	Pyrene	13.0 ^a	0.36	0.12	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0092	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	64%	55%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-4		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 90.0
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	68%	53%	27-114%
118-79-6	2,4,6-Tribromophenol	75%	66%	19-152%
4165-60-0	Nitrobenzene-d5	75%	62%	26-134%
321-60-8	2-Fluorobiphenyl	70%	62%	39-124%
1718-51-0	Terphenyl-d14	68%	65%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact/aldol-condensation	3.41	4	mg/kg	J
	Naphthalene dimethyl	6.59	.41	mg/kg	J
	Naphthalene dimethyl	6.64	.51	mg/kg	J
	unknown	7.64	.52	mg/kg	J
	alkane	7.87	.45	mg/kg	J
	9H-Fluorene, methyl-	8.07	.45	mg/kg	J
486-25-9	9H-Fluoren-9-one	8.30	.43	mg/kg	JN
	unknown	8.36	.41	mg/kg	J
	Naphtho[-b]thiophene	8.40	1.3	mg/kg	J
	Dibenzothiophene, methyl-	8.96	.61	mg/kg	J
	Phenanthrene methyl	9.19	1.8	mg/kg	J
	Phenanthrene methyl	9.22	2.3	mg/kg	J
	Phenanthrene methyl	9.29	.61	mg/kg	J
	unknown	9.34	3.1	mg/kg	J
	Anthracene methyl	9.37	1.1	mg/kg	J
	unknown	9.60	1.3	mg/kg	J
84-65-1	9,10-Anthracenedione	9.63	1.6	mg/kg	JN
	Phenanthrene dimethyl	9.86	.37	mg/kg	J
	Phenanthrene dimethyl	9.96	1.1	mg/kg	J
	unknown	10.00	.5	mg/kg	J
	unknown	10.08	.65	mg/kg	J
	unknown	10.27	.5	mg/kg	J
	unknown	10.38	1.1	mg/kg	J
	unknown PAH substance	14.08	1.3	mg/kg	J
	unknown PAH substance	14.32	4.6	mg/kg	J
	unknown	16.02	1.4	mg/kg	J
	Total TIC, Semi-Volatile		28.42	mg/kg	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: SB-6 (0-2)	Date Sampled: 06/27/17
Lab Sample ID: JC46006-4	Date Received: 06/28/17
Matrix: SO - Soil	Percent Solids: 90.0
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171816.D	1	07/04/17 05:18	JR	06/30/17 16:10	OP4110	GEF6000
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.034	0.027	mg/kg	
11104-28-2	Aroclor 1221	ND	0.034	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.034	0.021	mg/kg	
53469-21-9	Aroclor 1242	ND	0.034	0.017	mg/kg	
12672-29-6	Aroclor 1248	ND	0.034	0.020	mg/kg	
11097-69-1	Aroclor 1254	ND	0.034	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.034	0.025	mg/kg	
11100-14-4	Aroclor 1268	ND	0.034	0.015	mg/kg	
37324-23-5	Aroclor 1262	ND	0.034	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	110%		24-152%
877-09-8	Tetrachloro-m-xylene	106%		24-152%
2051-24-3	Decachlorobiphenyl	1475% ^a		10-166%
2051-24-3	Decachlorobiphenyl	1211% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.4
4

Report of Analysis

Client Sample ID: SB-6 (0-2) Lab Sample ID: JC46006-4 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 90.0
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5270	53	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.1	2.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	6.3	2.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	89.6	21	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.35	0.21	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.53	0.53	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	15800	530	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	15.9	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	< 5.3	5.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	64.3	2.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	16000	53	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	151	2.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	3640	530	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	203	1.6	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.26	0.035	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	17.4	4.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	< 2.1	2.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.53	0.53	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	24.0	5.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	202	5.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

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4

Report of Analysis

Client Sample ID:	SB-6 (7-8)	Date Sampled:	06/27/17
Lab Sample ID:	JC46006-5	Date Received:	06/28/17
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8260C		
Project:	233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.23	0.017	mg/kg	
79-20-9	Methyl Acetate	ND	0.57	0.23	mg/kg	
108-87-2	Methylcyclohexane	ND	0.23	0.057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.11	0.030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.57	0.096	mg/kg	
75-09-2	Methylene chloride	ND	0.57	0.11	mg/kg	
100-42-5	Styrene	ND	0.23	0.016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.23	0.027	mg/kg	
127-18-4	Tetrachloroethene	ND	0.23	0.032	mg/kg	
108-88-3	Toluene	ND	0.11	0.014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.57	0.057	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.57	0.057	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.23	0.019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.23	0.037	mg/kg	
79-01-6	Trichloroethene	ND	0.11	0.022	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.57	0.071	mg/kg	
75-01-4	Vinyl chloride	ND	0.23	0.023	mg/kg	
	m,p-Xylene	ND	0.11	0.025	mg/kg	
95-47-6	o-Xylene	ND	0.11	0.023	mg/kg	
1330-20-7	Xylene (total)	ND	0.11	0.023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%		72-129%
17060-07-0	1,2-Dichloroethane-D4	92%		73-132%
2037-26-5	Toluene-D8	99%		80-120%
460-00-4	4-Bromofluorobenzene	102%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.84	5.9	mg/kg	J
	alkane	15.98	1	mg/kg	J
	unknown	17.33	1.5	mg/kg	J
	Naphthalene decahydro-methyl- isomer	17.81	1.3	mg/kg	J
	Naphthalene decahydro-methyl- isomer	18.06	1.3	mg/kg	J
	unknown	18.30	.77	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.00	2.6	mg/kg	J
	Naphthalene, tetrahydro-methyl- isomer	19.36	.71	mg/kg	J
	unknown	19.40	1.3	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.49	1.5	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (7-8)	
Lab Sample ID: JC46006-5	Date Sampled: 06/27/17
Matrix: SO - Soil	Date Received: 06/28/17
Method: SW846 8260C	Percent Solids: 89.4
Project: 233-239 Nevins Street, Brooklyn, NY	

VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	19.67	1.2	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.14	1.1	mg/kg	J
	Naphthalene, tetrahydro-dimethyl- isomer	20.58	2.4	mg/kg	J
	unknown	20.85	.88	mg/kg	J
	unknown	20.98	1.4	mg/kg	J
	unknown	21.93	.91	mg/kg	J
	Total TIC, Volatile		19.87	mg/kg	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-6 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-5		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 89.4
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P39386.D	1	07/02/17 00:32	AD	07/01/17 07:30	OP4109	E6P1804
Run #2	Z123212.D	4	07/05/17 16:44	FW	07/01/17 07:30	OP4109	EZ6103

Run #	Initial Weight	Final Volume
Run #1	31.3 g	1.0 ml
Run #2	31.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.071	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.030	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.18	0.064	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.18	0.13	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.038	mg/kg	
95-48-7	2-Methylphenol	ND	0.071	0.023	mg/kg	
	3&4-Methylphenol	ND	0.071	0.029	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.095	mg/kg	
87-86-5	Pentachlorophenol	ND	0.14	0.034	mg/kg	
108-95-2	Phenol	ND	0.071	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.021	mg/kg	
83-32-9	Acenaphthene	0.553	0.036	0.012	mg/kg	
208-96-8	Acenaphthylene	0.200	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0077	mg/kg	
120-12-7	Anthracene	1.20	0.036	0.022	mg/kg	
1912-24-9	Atrazine	ND	0.071	0.015	mg/kg	
56-55-3	Benzo(a)anthracene	1.81	0.036	0.010	mg/kg	
50-32-8	Benzo(a)pyrene	1.31	0.036	0.016	mg/kg	
205-99-2	Benzo(b)fluoranthene	1.65	0.036	0.016	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.505	0.036	0.018	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.401	0.036	0.017	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.071	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.071	0.0087	mg/kg	
92-52-4	1,1'-Biphenyl	0.0784	0.071	0.0049	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0089	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.071	0.0085	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.190	0.071	0.0052	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SB-6 (7-8)	Date Sampled:	06/27/17
Lab Sample ID:	JC46006-5	Date Received:	06/28/17
Matrix:	SO - Soil	Percent Solids:	89.4
Method:	SW846 8270D SW846 3546		
Project:	233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.071	0.014	mg/kg	
218-01-9	Chrysene	1.76	0.036	0.011	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.071	0.0076	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.071	0.015	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.071	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.071	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.036	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.036	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.071	0.030	mg/kg	
123-91-1	1,4-Dioxane	ND	0.036	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.166	0.036	0.016	mg/kg	
132-64-9	Dibenzofuran	0.626	0.071	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.071	0.0058	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.071	0.0089	mg/kg	
84-66-2	Diethyl phthalate	ND	0.071	0.0076	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.071	0.0064	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.154	0.071	0.0084	mg/kg	
206-44-0	Fluoranthene	5.69 ^a	0.14	0.064	mg/kg	
86-73-7	Fluorene	1.47	0.036	0.016	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.071	0.0090	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.036	0.014	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.36	0.014	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.566	0.036	0.017	mg/kg	
78-59-1	Isophorone	ND	0.071	0.0076	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.071	0.0081	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0084	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0089	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0093	mg/kg	
91-20-3	Naphthalene	0.267	0.036	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.071	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.071	0.010	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	4.75 ^a	0.14	0.048	mg/kg	
129-00-0	Pyrene	4.27 ^a	0.14	0.046	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0091	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	58%	69%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-5		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 89.4
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	60%	70%	27-114%
118-79-6	2,4,6-Tribromophenol	120%	86%	19-152%
4165-60-0	Nitrobenzene-d5	86%	104%	26-134%
321-60-8	2-Fluorobiphenyl	59%	73%	39-124%
1718-51-0	Terphenyl-d14	88%	76%	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	5.25	1.3	mg/kg	J
	Naphthalene decahydro-methyl	5.35	1.8	mg/kg	J
	alkane	5.73	2.2	mg/kg	J
	unknown	5.93	1.6	mg/kg	J
	alkane	6.07	3	mg/kg	J
	unknown	6.32	1.5	mg/kg	J
	Naphthalene tetrahydro-dimethyl	6.45	1.7	mg/kg	J
	alkane	7.16	2.6	mg/kg	J
	Naphthalene trimethyl	7.89	1.5	mg/kg	J
	alkane	8.22	2.1	mg/kg	J
	unknown	8.44	1.5	mg/kg	J
	unknown	8.48	1.4	mg/kg	J
	alkane	8.54	8.7	mg/kg	J
	unknown	8.66	1.4	mg/kg	J
	unknown	8.72	2.4	mg/kg	J
	unknown	8.74	1.8	mg/kg	J
	unknown	8.78	1.9	mg/kg	J
	unknown	8.86	2.3	mg/kg	J
	unknown	8.90	1.2	mg/kg	J
132-65-0	Dibenzothiophene	9.00	1.5	mg/kg	JN
	alkane	9.50	1.1	mg/kg	J
	Phenanthrene methyl	9.74	2.1	mg/kg	J
	Phenanthrene methyl	9.77	1.9	mg/kg	J
	unknown	9.86	1.8	mg/kg	J
	Phenanthrene dimethyl	10.41	1.4	mg/kg	J
	Total TIC, Semi-Volatile		51.7	mg/kg	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-6 (7-8)	
Lab Sample ID: JC46006-5	Date Sampled: 06/27/17
Matrix: SO - Soil	Date Received: 06/28/17
Method: SW846 8081B SW846 3546	Percent Solids: 89.4
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	4G82948.D	1	07/03/17 13:14	KD	06/30/17 16:10	OP4111	G4G2164
Run #2 ^a	4G82999.D	5	07/05/17 11:01	CP	06/30/17 16:10	OP4111	G4G2166

Run #	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2	15.6 g	10.0 ml

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.00072	0.00034	mg/kg	
319-84-6	alpha-BHC	ND	0.00072	0.00038	mg/kg	
319-85-7	beta-BHC	ND	0.00072	0.00045	mg/kg	
319-86-8	delta-BHC	ND	0.00072	0.00032	mg/kg	
58-89-9	gamma-BHC (Lindane)	ND	0.00072	0.00032	mg/kg	
5103-71-9	alpha-Chlordane	ND	0.00072	0.00034	mg/kg	
5103-74-2	gamma-Chlordane	ND	0.00072	0.00032	mg/kg	
60-57-1	Dieldrin	ND	0.00072	0.00036	mg/kg	
72-54-8	4,4'-DDD	0.0017	0.00072	0.00046	mg/kg	
72-55-9	4,4'-DDE	ND	0.00072	0.00037	mg/kg	
50-29-3	4,4'-DDT ^b	0.0054	0.00072	0.00043	mg/kg	
72-20-8	Endrin	ND	0.00072	0.00034	mg/kg	
1031-07-8	Endosulfan sulfate	ND	0.00072	0.00029	mg/kg	
7421-93-4	Endrin aldehyde	ND	0.00072	0.00043	mg/kg	
959-98-8	Endosulfan-I	ND	0.00072	0.00038	mg/kg	
33213-65-9	Endosulfan-II	ND	0.00072	0.00038	mg/kg	
76-44-8	Heptachlor	ND	0.00072	0.00035	mg/kg	
1024-57-3	Heptachlor epoxide	ND	0.00072	0.00039	mg/kg	
72-43-5	Methoxychlor	ND	0.0014	0.00036	mg/kg	
53494-70-5	Endrin ketone	ND	0.00072	0.00055	mg/kg	
8001-35-2	Toxaphene	ND	0.018	0.0075	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	77%	78%	25-135%
877-09-8	Tetrachloro-m-xylene	59%	72%	25-135%
2051-24-3	Decachlorobiphenyl	113%	240% ^c	10-156%
2051-24-3	Decachlorobiphenyl	83%	85%	10-156%

(a) Confirmation run.

(b) Reported from the 1st signal. The %D of the CCV on the 2nd signal exceeds the method criteria of 20%, so it being used for confirmation only. More than 40% RPD for detected concentrations between the two GC columns.

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-5		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 89.4
Method: SW846 8081B SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

4.5
4

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
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(c) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-6 (7-8)	
Lab Sample ID: JC46006-5	Date Sampled: 06/27/17
Matrix: SO - Soil	Date Received: 06/28/17
Method: SW846 8082A SW846 3546	Percent Solids: 89.4
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171817.D	1	07/04/17 05:43	JR	06/30/17 16:10	OP4110	GEF6000
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	86%		24-152%
877-09-8	Tetrachloro-m-xylene	83%		24-152%
2051-24-3	Decachlorobiphenyl	120%		10-166%
2051-24-3	Decachlorobiphenyl	155%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.5
4

Report of Analysis

Client Sample ID: SB-6 (7-8) Lab Sample ID: JC46006-5 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 89.4
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	7090	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	5.4	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	70.4	22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.44	0.22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	9080	550	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	18.3	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	7.9	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	36.5	2.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	13800	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	115	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	3990	550	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	182	1.6	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.21	0.035	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	39.1	4.4	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	1110	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	26.6	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	279	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

4.5
4

Report of Analysis

Client Sample ID: SB-7 (0-2)		
Lab Sample ID: JC46006-6		Date Sampled: 06/27/17
Matrix: SO - Soil		Date Received: 06/28/17
Method: SW846 8260C		Percent Solids: 91.0
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C219097.D	1	07/01/17 23:59	SY	n/a	n/a	VC8089
Run #2							

Run #1	Initial Weight
Run #1	5.1 g
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0060	0.011	0.0054	mg/kg	J
71-43-2	Benzene	ND	0.00054	0.00013	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.00034	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0022	0.00016	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.00029	mg/kg	
74-83-9	Bromomethane	ND	0.0054	0.00052	mg/kg	
78-93-3	2-Butanone (MEK)	ND	0.011	0.0019	mg/kg	
75-15-0	Carbon disulfide	0.00021	0.0022	0.00018	mg/kg	J
56-23-5	Carbon tetrachloride	ND	0.0022	0.00018	mg/kg	
108-90-7	Chlorobenzene	ND	0.0022	0.00017	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.00046	mg/kg	
67-66-3	Chloroform	ND	0.0022	0.00026	mg/kg	
74-87-3	Chloromethane	ND	0.0054	0.00023	mg/kg	
110-82-7	Cyclohexane	ND	0.0022	0.00059	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0022	0.00052	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0022	0.00016	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0011	0.00026	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.0011	0.00018	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.0011	0.00015	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.0011	0.00016	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0054	0.00059	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0011	0.00020	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0011	0.00018	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.0011	0.00016	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.0011	0.00047	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.0011	0.00017	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0022	0.00033	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0022	0.00021	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.0022	0.00024	mg/kg	
100-41-4	Ethylbenzene	0.00030	0.0011	0.00016	mg/kg	J
76-13-1	Freon 113	ND	0.0054	0.00052	mg/kg	
591-78-6	2-Hexanone	ND	0.0054	0.0015	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-7 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-6		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 91.0
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	0.00026	0.0022	0.00017	mg/kg	J
79-20-9	Methyl Acetate	ND	0.0054	0.0022	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00029	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0054	0.00091	mg/kg	
75-09-2	Methylene chloride	ND	0.0054	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00026	mg/kg	
127-18-4	Tetrachloroethene	0.00037	0.0022	0.00030	mg/kg	J
108-88-3	Toluene	ND	0.0011	0.00013	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.00054	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.00054	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00018	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00035	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00020	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.00068	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00022	mg/kg	
	m,p-Xylene	0.0012	0.0011	0.00024	mg/kg	
95-47-6	o-Xylene	0.00076	0.0011	0.00022	mg/kg	J
1330-20-7	Xylene (total)	0.0020	0.0011	0.00022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		72-129%
17060-07-0	1,2-Dichloroethane-D4	104%		73-132%
2037-26-5	Toluene-D8	101%		80-120%
460-00-4	4-Bromofluorobenzene	99%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	alkane	16.58	.0056	mg/kg	J
	alkane	16.91	.015	mg/kg	J
	C4 alkyl benzene	17.63	.0084	mg/kg	J
	alkane	17.75	.033	mg/kg	J
	alkane	18.34	.022	mg/kg	J
	alkane	18.55	.033	mg/kg	J
91-20-3	Naphthalene	18.66	.049	mg/kg	JN
	1H-indene-dihydro-dimethyl- isomer	18.86	.0056	mg/kg	J
	alkane	19.20	.0068	mg/kg	J
	alkane	19.36	.033	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: SB-7 (0-2) Lab Sample ID: JC46006-6 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 91.0
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Naphthalene, methyl- isomer	19.65	.018	mg/kg	J
	Naphthalene, methyl- isomer	19.85	.012	mg/kg	J
	alkane	20.25	.027	mg/kg	J
	Total TIC, Volatile		.2684	mg/kg	J

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.6
4

Report of Analysis

Client Sample ID: SB-7 (0-2)		
Lab Sample ID: JC46006-6		Date Sampled: 06/27/17
Matrix: SO - Soil		Date Received: 06/28/17
Method: SW846 8270D SW846 3546		Percent Solids: 91.0
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z123201.D	1	07/05/17 15:23	FW	07/01/17 07:30	OP4109	EZ6103
Run #2	6P39549.D	20	07/07/17 11:54	FW	07/01/17 07:30	OP4109	E6P1812

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.073	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.022	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	0.114	0.18	0.065	mg/kg	J
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	0.0660	0.073	0.023	mg/kg	J
	3&4-Methylphenol	0.214	0.073	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.36	0.097	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.034	mg/kg	
108-95-2	Phenol	0.108	0.073	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.027	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	2.50	0.036	0.013	mg/kg	
208-96-8	Acenaphthylene	1.55	0.036	0.018	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0078	mg/kg	
120-12-7	Anthracene	4.04 ^a	0.73	0.44	mg/kg	
1912-24-9	Atrazine	ND	0.073	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	15.2 ^a	0.73	0.21	mg/kg	
50-32-8	Benzo(a)pyrene	12.7 ^a	0.73	0.33	mg/kg	
205-99-2	Benzo(b)fluoranthene	15.9 ^a	0.73	0.32	mg/kg	
191-24-2	Benzo(g,h,i)perylene	7.51 ^a	0.73	0.36	mg/kg	
207-08-9	Benzo(k)fluoranthene	4.97 ^a	0.73	0.34	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.073	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.073	0.0088	mg/kg	
92-52-4	1,1'-Biphenyl	0.293	0.073	0.0050	mg/kg	
100-52-7	Benzaldehyde	ND	0.18	0.0090	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.073	0.0086	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	1.82	0.073	0.0053	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-7 (0-2)	
Lab Sample ID: JC46006-6	Date Sampled: 06/27/17
Matrix: SO - Soil	Date Received: 06/28/17
Method: SW846 8082A SW846 3546	Percent Solids: 91.0
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171822.D	1	07/04/17 07:48	JR	06/30/17 16:10	OP4110	GEF6000
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.033	0.026	mg/kg	
11104-28-2	Aroclor 1221	ND	0.033	0.014	mg/kg	
11141-16-5	Aroclor 1232	ND	0.033	0.020	mg/kg	
53469-21-9	Aroclor 1242	ND	0.033	0.016	mg/kg	
12672-29-6	Aroclor 1248	ND	0.033	0.020	mg/kg	
11097-69-1	Aroclor 1254	ND	0.033	0.015	mg/kg	
11096-82-5	Aroclor 1260	ND	0.033	0.024	mg/kg	
11100-14-4	Aroclor 1268	ND	0.033	0.014	mg/kg	
37324-23-5	Aroclor 1262	ND	0.033	0.017	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	111%		24-152%
877-09-8	Tetrachloro-m-xylene	94%		24-152%
2051-24-3	Decachlorobiphenyl	925% ^a		10-166%
2051-24-3	Decachlorobiphenyl	947% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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4

Report of Analysis

Client Sample ID: SB-7 (0-2) Lab Sample ID: JC46006-6 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 91.0
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	5300	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	9.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	270	22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.33	0.22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	58500	1600	mg/kg	3	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	14.4	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	< 5.5	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	40.8	2.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	19700	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	589	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	3220	550	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	292	1.6	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	1.0	0.067	mg/kg	2	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	18.4	4.4	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	1130	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	17.6	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	321	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

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4

Report of Analysis

Client Sample ID: SB-8 (5-6)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-7		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 84.8
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D250927.D	1	07/03/17 11:40	XC	n/a	n/a	VD10128
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.4 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.4	0.71	mg/kg	
71-43-2	Benzene	ND	0.071	0.017	mg/kg	
74-97-5	Bromochloromethane	ND	0.71	0.046	mg/kg	
75-27-4	Bromodichloromethane	ND	0.29	0.022	mg/kg	
75-25-2	Bromoform	ND	0.71	0.038	mg/kg	
74-83-9	Bromomethane	ND	0.71	0.069	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.4	0.25	mg/kg	
75-15-0	Carbon disulfide	ND	0.29	0.024	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.29	0.024	mg/kg	
108-90-7	Chlorobenzene	ND	0.29	0.023	mg/kg	
75-00-3	Chloroethane	ND	0.71	0.061	mg/kg	
67-66-3	Chloroform	ND	0.29	0.034	mg/kg	
74-87-3	Chloromethane	ND	0.71	0.030	mg/kg	
110-82-7	Cyclohexane	ND	0.29	0.078	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.29	0.069	mg/kg	
124-48-1	Dibromochloromethane	ND	0.29	0.021	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.14	0.035	mg/kg	
95-50-1	1,2-Dichlorobenzene	ND	0.14	0.024	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.14	0.020	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.14	0.022	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.71	0.078	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.14	0.027	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.14	0.024	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.14	0.022	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.14	0.063	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.14	0.023	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.29	0.044	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.29	0.028	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.29	0.032	mg/kg	
100-41-4	Ethylbenzene	0.138	0.14	0.021	mg/kg	J
76-13-1	Freon 113	ND	0.71	0.069	mg/kg	
591-78-6	2-Hexanone	ND	0.71	0.20	mg/kg	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (5-6) Lab Sample ID: JC46006-7 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 84.8
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	C5 alkyl benzene	19.40	61	mg/kg	J
	1H-indene-dihydro-ethyl- isomer	19.51	33	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.67	63	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.93	32	mg/kg	J
	C5 alkyl benzene	20.06	57	mg/kg	J
	Total TIC, Volatile		738	mg/kg	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-8 (5-6)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-7		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 84.8
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	Z123196.D	5	07/05/17 12:15	FW	07/01/17 07:30	OP4109	EZ6103
Run #2	Z123213.D	50	07/05/17 19:52	FW	07/01/17 07:30	OP4109	EZ6103

Run #	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2	30.3 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.39	0.096	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.97	0.12	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.97	0.17	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.97	0.35	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.97	0.73	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.97	0.21	mg/kg	
95-48-7	2-Methylphenol	ND	0.39	0.12	mg/kg	
	3&4-Methylphenol	ND	0.39	0.16	mg/kg	
88-75-5	2-Nitrophenol	ND	0.97	0.13	mg/kg	
100-02-7	4-Nitrophenol	ND	1.9	0.52	mg/kg	
87-86-5	Pentachlorophenol	ND	0.78	0.18	mg/kg	
108-95-2	Phenol	ND	0.39	0.10	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.97	0.13	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.97	0.15	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.97	0.12	mg/kg	
83-32-9	Acenaphthene	3.32	0.19	0.067	mg/kg	
208-96-8	Acenaphthylene	ND	0.19	0.099	mg/kg	
98-86-2	Acetophenone	ND	0.97	0.042	mg/kg	
120-12-7	Anthracene	1.91	0.19	0.12	mg/kg	
1912-24-9	Atrazine	ND	0.39	0.083	mg/kg	
56-55-3	Benzo(a)anthracene	1.13	0.19	0.055	mg/kg	
50-32-8	Benzo(a)pyrene	0.793	0.19	0.089	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.752	0.19	0.086	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.550	0.19	0.097	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.285	0.19	0.091	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.39	0.075	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.39	0.047	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.39	0.027	mg/kg	
100-52-7	Benzaldehyde	ND	0.97	0.048	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.39	0.046	mg/kg	
106-47-8	4-Chloroaniline	ND	0.97	0.070	mg/kg	
86-74-8	Carbazole	ND	0.39	0.028	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (5-6)	
Lab Sample ID: JC46006-7	
Matrix: SO - Soil	Date Sampled: 06/27/17
Method: SW846 8270D SW846 3546	Date Received: 06/28/17
Project: 233-239 Nevins Street, Brooklyn, NY	Percent Solids: 84.8

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.39	0.077	mg/kg	
218-01-9	Chrysene	0.991	0.19	0.061	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.39	0.042	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.39	0.084	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.39	0.070	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.39	0.063	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.19	0.060	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.19	0.098	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.39	0.16	mg/kg	
123-91-1	1,4-Dioxane	ND	0.19	0.13	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	0.118	0.19	0.086	mg/kg	J
132-64-9	Dibenzofuran	ND	0.39	0.079	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.39	0.032	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.39	0.048	mg/kg	
84-66-2	Diethyl phthalate	ND	0.39	0.041	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.39	0.035	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.39	0.046	mg/kg	
206-44-0	Fluoranthene	2.01	0.19	0.087	mg/kg	
86-73-7	Fluorene	4.27	0.19	0.089	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.39	0.049	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.19	0.078	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	1.9	0.077	mg/kg	
67-72-1	Hexachloroethane	ND	0.97	0.096	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.446	0.19	0.091	mg/kg	
78-59-1	Isophorone	ND	0.39	0.042	mg/kg	
91-57-6	2-Methylnaphthalene	191 ^b	3.9	0.44	mg/kg	
88-74-4	2-Nitroaniline	ND	0.97	0.046	mg/kg	
99-09-2	3-Nitroaniline	ND	0.97	0.049	mg/kg	
100-01-6	4-Nitroaniline	ND	0.97	0.050	mg/kg	
91-20-3	Naphthalene	2.43	0.19	0.055	mg/kg	
98-95-3	Nitrobenzene	ND	0.39	0.075	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.39	0.056	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.97	0.071	mg/kg	
85-01-8	Phenanthrene	8.52	0.19	0.065	mg/kg	
129-00-0	Pyrene	2.18	0.19	0.062	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.97	0.049	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	77%	0% ^c	23-115%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (5-6)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-7		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 84.8
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	85%	0% ^c	27-114%
118-79-6	2,4,6-Tribromophenol	84%	0% ^c	19-152%
4165-60-0	Nitrobenzene-d5	87%	0% ^c	26-134%
321-60-8	2-Fluorobiphenyl	76%	0% ^c	39-124%
1718-51-0	Terphenyl-d14	80%	0% ^c	36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	unknown	5.40	7.3	mg/kg	J
	unknown	5.65	7.3	mg/kg	J
	unknown	5.79	16	mg/kg	J
	1H-Indene, 2,3-dihydro-dimethyl-alkane	5.86	9.4	mg/kg	J
		5.89	13	mg/kg	J
	1H-Indene, 2,3-dihydro-dimethyl-Naphthalene tetrahydro-methyl	5.92	7.5	mg/kg	J
		5.94	7.8	mg/kg	J
	unknown	5.99	11	mg/kg	J
	unknown	6.05	7.3	mg/kg	J
90-12-0	Naphthalene, 1-methyl-	6.18	24	mg/kg	JN
	unknown	6.24	7.1	mg/kg	J
	unknown	6.44	8.1	mg/kg	J
	Naphthalene dimethyl	6.60	14	mg/kg	J
	Naphthalene dimethyl	6.66	14	mg/kg	J
	Naphthalene dimethyl	6.68	7.9	mg/kg	J
	alkane	6.71	11	mg/kg	J
	Naphthalene dimethyl	6.76	10	mg/kg	J
	Naphthalene trimethyl	7.14	7.8	mg/kg	J
	Naphthalene trimethyl	7.18	8.2	mg/kg	J
	alkane	7.90	37	mg/kg	J
	unknown	8.11	12	mg/kg	J
	alkane	8.46	23	mg/kg	J
	Phenanthrene methyl	9.19	8.4	mg/kg	J
	Phenanthrene methyl	9.22	9.3	mg/kg	J
	Phenanthrene dimethyl	9.96	10	mg/kg	J
	Total TIC, Semi-Volatile		298.4	mg/kg	J

- (a) Dilution required due to matrix interference.
- (b) Result is from Run# 2
- (c) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-8 (5-6)	Date Sampled: 06/27/17
Lab Sample ID: JC46006-7	Date Received: 06/28/17
Matrix: SO - Soil	Percent Solids: 84.8
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5G71174.D	1	07/05/17 12:16	RK	07/03/17 02:26	OP4184	G5G1661
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	16.6 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.036	0.028	mg/kg	
11104-28-2	Aroclor 1221	ND	0.036	0.015	mg/kg	
11141-16-5	Aroclor 1232	ND	0.036	0.022	mg/kg	
53469-21-9	Aroclor 1242	ND	0.036	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.036	0.021	mg/kg	
11097-69-1	Aroclor 1254	ND	0.036	0.016	mg/kg	
11096-82-5	Aroclor 1260	ND	0.036	0.026	mg/kg	
11100-14-4	Aroclor 1268	ND	0.036	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.036	0.018	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	96%		24-152%
877-09-8	Tetrachloro-m-xylene	66%		24-152%
2051-24-3	Decachlorobiphenyl	75%		10-166%
2051-24-3	Decachlorobiphenyl	82%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.7
4

Report of Analysis

Client Sample ID: SB-8 (5-6) Lab Sample ID: JC46006-7 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 84.8
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	2480	57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.3	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	< 2.3	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	24.3	23	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	< 0.23	0.23	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.57	0.57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	2280	570	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	7.2	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	< 5.7	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	10.6	2.9	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	8520	57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	78.8	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	1560	570	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	272	1.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.090	0.037	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	5.8	4.6	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	< 2.3	2.3	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.57	0.57	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	13.7	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	24.3	5.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

4.7
4

Report of Analysis

Client Sample ID: SB-8 (0-2)		
Lab Sample ID: JC46006-8		Date Sampled: 06/27/17
Matrix: SO - Soil		Date Received: 06/28/17
Method: SW846 8260C		Percent Solids: 78.3
Project: 233-239 Nevins Street, Brooklyn, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	D250928.D	1	07/03/17 12:08	XC	n/a	n/a	VD10128
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	4.0 g	10.0 ml	100 ul
Run #2			

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	1.7	0.87	mg/kg	
71-43-2	Benzene	ND	0.087	0.021	mg/kg	
74-97-5	Bromochloromethane	ND	0.87	0.055	mg/kg	
75-27-4	Bromodichloromethane	ND	0.35	0.026	mg/kg	
75-25-2	Bromoform	ND	0.87	0.046	mg/kg	
74-83-9	Bromomethane	ND	0.87	0.084	mg/kg	
78-93-3	2-Butanone (MEK)	ND	1.7	0.31	mg/kg	
75-15-0	Carbon disulfide	ND	0.35	0.029	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.35	0.029	mg/kg	
108-90-7	Chlorobenzene	ND	0.35	0.028	mg/kg	
75-00-3	Chloroethane	ND	0.87	0.074	mg/kg	
67-66-3	Chloroform	ND	0.35	0.041	mg/kg	
74-87-3	Chloromethane	ND	0.87	0.037	mg/kg	
110-82-7	Cyclohexane	ND	0.35	0.095	mg/kg	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.35	0.084	mg/kg	
124-48-1	Dibromochloromethane	ND	0.35	0.026	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.17	0.042	mg/kg	
95-50-1	1,2-Dichlorobenzene	0.0857	0.17	0.030	mg/kg	J
541-73-1	1,3-Dichlorobenzene	ND	0.17	0.024	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.17	0.027	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.87	0.095	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.17	0.032	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.17	0.030	mg/kg	
75-35-4	1,1-Dichloroethene	ND	0.17	0.027	mg/kg	
156-59-2	cis-1,2-Dichloroethene	ND	0.17	0.076	mg/kg	
156-60-5	trans-1,2-Dichloroethene	ND	0.17	0.027	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.35	0.054	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.35	0.034	mg/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	0.35	0.038	mg/kg	
100-41-4	Ethylbenzene	0.0387	0.17	0.026	mg/kg	J
76-13-1	Freon 113	ND	0.87	0.084	mg/kg	
591-78-6	2-Hexanone	ND	0.87	0.24	mg/kg	

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (0-2) Lab Sample ID: JC46006-8 Matrix: SO - Soil Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 78.3
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-indene-dihydro-dimethyl- isomer	19.67	84	mg/kg	J
	1H-indene-dihydro-dimethyl- isomer	19.93	59	mg/kg	J
	C5 alkyl benzene	20.06	92	mg/kg	J
	Naphthalene, methyl- isomer	20.73	140	mg/kg	J
	Naphthalene, methyl- isomer	20.99	50	mg/kg	J
	Total TIC, Volatile		1467	mg/kg	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: SB-8 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-8		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 78.3
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P39389.D	1	07/02/17 01:43	AD	07/01/17 07:30	OP4109	E6P1804
Run #2	6P39455.D	50	07/03/17 19:32	CS	07/01/17 07:30	OP4109	E6P1807

Run #	Initial Weight	Final Volume
Run #1	30.4 g	1.0 ml
Run #2	30.4 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.084	0.021	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.026	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.036	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.075	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.21	0.16	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.21	0.045	mg/kg	
95-48-7	2-Methylphenol	ND	0.084	0.027	mg/kg	
	3&4-Methylphenol	0.862	0.084	0.035	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.028	mg/kg	
100-02-7	4-Nitrophenol	ND	0.42	0.11	mg/kg	
87-86-5	Pentachlorophenol	ND	0.17	0.039	mg/kg	
108-95-2	Phenol	0.0979	0.084	0.022	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.21	0.028	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.21	0.031	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.025	mg/kg	
83-32-9	Acenaphthene	0.131	0.042	0.014	mg/kg	
208-96-8	Acenaphthylene	0.154	0.042	0.021	mg/kg	
98-86-2	Acetophenone	ND	0.21	0.0090	mg/kg	
120-12-7	Anthracene	0.205	0.042	0.026	mg/kg	
1912-24-9	Atrazine	ND	0.084	0.018	mg/kg	
56-55-3	Benzo(a)anthracene	0.203	0.042	0.012	mg/kg	
50-32-8	Benzo(a)pyrene	0.106	0.042	0.019	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.170	0.042	0.019	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0656	0.042	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.0377	0.042	0.020	mg/kg	J
101-55-3	4-Bromophenyl phenyl ether	ND	0.084	0.016	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.084	0.010	mg/kg	
92-52-4	1,1'-Biphenyl	0.253	0.084	0.0058	mg/kg	
100-52-7	Benzaldehyde	ND	0.21	0.010	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.084	0.010	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.015	mg/kg	
86-74-8	Carbazole	0.0491	0.084	0.0061	mg/kg	J

ND = Not detected MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-8		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 78.3
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.084	0.017	mg/kg	
218-01-9	Chrysene	0.209	0.042	0.013	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.084	0.0090	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.084	0.018	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.084	0.015	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.084	0.014	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.042	0.013	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.042	0.021	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.084	0.035	mg/kg	
123-91-1	1,4-Dioxane	ND	0.042	0.028	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.042	0.019	mg/kg	
132-64-9	Dibenzofuran	0.189	0.084	0.017	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.084	0.0068	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.084	0.010	mg/kg	
84-66-2	Diethyl phthalate	ND	0.084	0.0089	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.084	0.0075	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.084	0.0098	mg/kg	
206-44-0	Fluoranthene	0.576	0.042	0.019	mg/kg	
86-73-7	Fluorene	0.136	0.042	0.019	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.084	0.011	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.042	0.017	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.42	0.017	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.021	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0497	0.042	0.020	mg/kg	
78-59-1	Isophorone	ND	0.084	0.0090	mg/kg	
91-57-6	2-Methylnaphthalene	30.0 ^a	4.2	0.47	mg/kg	
88-74-4	2-Nitroaniline	ND	0.21	0.0099	mg/kg	
99-09-2	3-Nitroaniline	ND	0.21	0.011	mg/kg	
100-01-6	4-Nitroaniline	ND	0.21	0.011	mg/kg	
91-20-3	Naphthalene	54.9 ^a	2.1	0.59	mg/kg	
98-95-3	Nitrobenzene	ND	0.084	0.016	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.084	0.012	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.015	mg/kg	
85-01-8	Phenanthrene	1.04	0.042	0.014	mg/kg	
129-00-0	Pyrene	0.789	0.042	0.013	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.21	0.011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%	0% ^b	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-8 (0-2) Lab Sample ID: JC46006-8 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 78.3
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ABN TCL List (SOM0 2.0)

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Semi-Volatile		69.8	mg/kg	J

- (a) Result is from Run# 2
- (b) Outside control limits due to dilution.

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: SB-8 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-8		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 78.3
Method: SW846 8082A SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G148938.D	1	07/06/17 10:36	RK	07/02/17 11:20	OP4118	G2G4063
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	5.0 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.13	0.10	mg/kg	
11104-28-2	Aroclor 1221	ND	0.13	0.055	mg/kg	
11141-16-5	Aroclor 1232	ND	0.13	0.077	mg/kg	
53469-21-9	Aroclor 1242	ND	0.13	0.064	mg/kg	
12672-29-6	Aroclor 1248	ND	0.13	0.075	mg/kg	
11097-69-1	Aroclor 1254	ND	0.13	0.058	mg/kg	
11096-82-5	Aroclor 1260	ND	0.13	0.093	mg/kg	
11100-14-4	Aroclor 1268	ND	0.13	0.056	mg/kg	
37324-23-5	Aroclor 1262	ND	0.13	0.066	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	70%		24-152%
877-09-8	Tetrachloro-m-xylene	72%		24-152%
2051-24-3	Decachlorobiphenyl	71%		10-166%
2051-24-3	Decachlorobiphenyl	73%		10-166%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.8
4

Report of Analysis

Client Sample ID: SB-8 (0-2) Lab Sample ID: JC46006-8 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 78.3
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	3230	61	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.5	2.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	7.7	2.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	59.9	25	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.87	0.25	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.61	0.61	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	1930	610	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	6.5	1.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	6.3	6.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	41.1	3.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	18100	61	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	135	2.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	< 610	610	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	50.6	1.8	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.53	0.041	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	15.2	4.9	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	< 1200	1200	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	2.7	2.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.61	0.61	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1200	1200	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.2	1.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	8.5	6.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	49.3	6.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

4.8
4

Report of Analysis

Client Sample ID: SB-9 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-9		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 88.0
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0030	0.00023	mg/kg	
79-20-9	Methyl Acetate	ND	0.0075	0.0030	mg/kg	
108-87-2	Methylcyclohexane	0.0026	0.0030	0.00076	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.0015	0.00040	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0075	0.0013	mg/kg	
75-09-2	Methylene chloride	ND	0.0075	0.0015	mg/kg	
100-42-5	Styrene	ND	0.0030	0.00022	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0030	0.00036	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0030	0.00042	mg/kg	
108-88-3	Toluene	ND	0.0015	0.00019	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0075	0.00075	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0075	0.00075	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0030	0.00025	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0030	0.00048	mg/kg	
79-01-6	Trichloroethene	ND	0.0015	0.00028	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0075	0.00094	mg/kg	
75-01-4	Vinyl chloride	ND	0.0030	0.00030	mg/kg	
	m,p-Xylene	ND	0.0015	0.00033	mg/kg	
95-47-6	o-Xylene	ND	0.0015	0.00030	mg/kg	
1330-20-7	Xylene (total)	ND	0.0015	0.00030	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		72-129%
17060-07-0	1,2-Dichloroethane-D4	105%		73-132%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	104%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.9
4

Report of Analysis

Client Sample ID: SB-9 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-9		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 88.0
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6P39390.D	1	07/02/17 02:06	AD	07/01/17 07:30	OP4109	E6P1804
Run #2	Z123211.D	20	07/05/17 12:42	FW	07/01/17 07:30	OP4109	EZ6103

Run #	Initial Weight	Final Volume
Run #1	30.9 g	1.0 ml
Run #2	30.9 g	1.0 ml

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.074	0.018	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.18	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.18	0.031	mg/kg	
105-67-9	2,4-Dimethylphenol	0.0789	0.18	0.065	mg/kg	J
51-28-5	2,4-Dinitrophenol	ND	0.18	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.18	0.039	mg/kg	
95-48-7	2-Methylphenol	0.0990	0.074	0.023	mg/kg	
	3&4-Methylphenol	0.380	0.074	0.030	mg/kg	
88-75-5	2-Nitrophenol	ND	0.18	0.024	mg/kg	
100-02-7	4-Nitrophenol	ND	0.37	0.098	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.035	mg/kg	
108-95-2	Phenol	0.320	0.074	0.019	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.18	0.024	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.18	0.028	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.18	0.022	mg/kg	
83-32-9	Acenaphthene	0.573	0.037	0.013	mg/kg	
208-96-8	Acenaphthylene	1.52	0.037	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.18	0.0079	mg/kg	
120-12-7	Anthracene	6.24 ^a	0.74	0.45	mg/kg	
1912-24-9	Atrazine	ND	0.074	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	16.7 ^a	0.74	0.21	mg/kg	
50-32-8	Benzo(a)pyrene	15.0 ^a	0.74	0.33	mg/kg	
205-99-2	Benzo(b)fluoranthene	16.4 ^a	0.74	0.33	mg/kg	
191-24-2	Benzo(g,h,i)perylene	8.17 ^a	0.74	0.37	mg/kg	
207-08-9	Benzo(k)fluoranthene	7.02 ^a	0.74	0.34	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.074	0.014	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.074	0.0090	mg/kg	
92-52-4	1,1'-Biphenyl	0.115	0.074	0.0050	mg/kg	
100-52-7	Benzaldehyde	0.0545	0.18	0.0091	mg/kg	J
91-58-7	2-Chloronaphthalene	ND	0.074	0.0088	mg/kg	
106-47-8	4-Chloroaniline	ND	0.18	0.013	mg/kg	
86-74-8	Carbazole	0.285	0.074	0.0053	mg/kg	

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-9 (0-2)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-9		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 88.0
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	0.074	0.015	mg/kg	
218-01-9	Chrysene	16.3 ^a	0.74	0.23	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.074	0.0079	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.074	0.016	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.074	0.013	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.074	0.012	mg/kg	
121-14-2	2,4-Dinitrotoluene	ND	0.037	0.011	mg/kg	
606-20-2	2,6-Dinitrotoluene	ND	0.037	0.018	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.074	0.031	mg/kg	
123-91-1	1,4-Dioxane	ND	0.037	0.024	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	2.43 ^a	0.74	0.33	mg/kg	
132-64-9	Dibenzofuran	0.358	0.074	0.015	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.074	0.0060	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.074	0.0092	mg/kg	
84-66-2	Diethyl phthalate	ND	0.074	0.0078	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.074	0.0065	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.074	0.0086	mg/kg	
206-44-0	Fluoranthene	32.9 ^a	0.74	0.33	mg/kg	
86-73-7	Fluorene	0.845	0.037	0.017	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.074	0.0093	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.037	0.015	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.37	0.015	mg/kg	
67-72-1	Hexachloroethane	ND	0.18	0.018	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	9.22 ^a	0.74	0.34	mg/kg	
78-59-1	Isophorone	ND	0.074	0.0079	mg/kg	
91-57-6	2-Methylnaphthalene	0.391	0.074	0.0083	mg/kg	
88-74-4	2-Nitroaniline	ND	0.18	0.0087	mg/kg	
99-09-2	3-Nitroaniline	ND	0.18	0.0092	mg/kg	
100-01-6	4-Nitroaniline	ND	0.18	0.0095	mg/kg	
91-20-3	Naphthalene	1.80	0.037	0.010	mg/kg	
98-95-3	Nitrobenzene	ND	0.074	0.014	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.074	0.011	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.18	0.013	mg/kg	
85-01-8	Phenanthrene	14.3 ^a	0.74	0.25	mg/kg	
129-00-0	Pyrene	25.9 ^a	0.74	0.24	mg/kg	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	0.18	0.0093	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	57%	62%	23-115%

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-9 (0-2)	Date Sampled: 06/27/17
Lab Sample ID: JC46006-9	Date Received: 06/28/17
Matrix: SO - Soil	Percent Solids: 88.0
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G148880.D	1	07/05/17 17:41	RK	07/02/17 11:20	OP4118	G2G4062
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	15.3 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.037	0.029	mg/kg	
11104-28-2	Aroclor 1221	ND	0.037	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.037	0.023	mg/kg	
53469-21-9	Aroclor 1242	ND	0.037	0.018	mg/kg	
12672-29-6	Aroclor 1248	ND	0.037	0.022	mg/kg	
11097-69-1	Aroclor 1254	ND	0.037	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.037	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.037	0.016	mg/kg	
37324-23-5	Aroclor 1262	ND	0.037	0.019	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	84%		24-152%
877-09-8	Tetrachloro-m-xylene	61%		24-152%
2051-24-3	Decachlorobiphenyl	146%		10-166%
2051-24-3	Decachlorobiphenyl	777% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.9
4

Report of Analysis

Client Sample ID: SB-9 (0-2) Lab Sample ID: JC46006-9 Matrix: SO - Soil Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 88.0
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Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analized By	Method	Prep Method
Aluminum	4470	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Antimony	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Arsenic	3.3	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Barium	58.3	22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Beryllium	0.33	0.22	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cadmium	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Calcium	1790	550	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Chromium	8.6	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Cobalt	6.0	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Copper	19.6	2.8	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Iron	12700	55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Lead	65.5	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Magnesium	1160	550	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Manganese	602	1.7	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Mercury	0.23	0.034	mg/kg	1	06/30/17	06/30/17	JPM	SW846 7471B ¹ SW846 7471B ⁴
Nickel	18.0	4.4	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Potassium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Selenium	< 2.2	2.2	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Silver	< 0.55	0.55	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Sodium	< 1100	1100	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Thallium	< 1.1	1.1	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Vanadium	13.4	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³
Zinc	29.9	5.5	mg/kg	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

RL = Reporting Limit

4.9
4

Report of Analysis

Client Sample ID: SB-7 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-10		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 82.4
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	0.0022	0.00017	mg/kg	
79-20-9	Methyl Acetate	ND	0.0056	0.0023	mg/kg	
108-87-2	Methylcyclohexane	ND	0.0022	0.00057	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0011	0.00030	mg/kg	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	0.0056	0.00095	mg/kg	
75-09-2	Methylene chloride	ND	0.0056	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0022	0.00016	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0022	0.00027	mg/kg	
127-18-4	Tetrachloroethene	ND	0.0022	0.00032	mg/kg	
108-88-3	Toluene	ND	0.0011	0.00014	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0056	0.00056	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0022	0.00019	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0022	0.00036	mg/kg	
79-01-6	Trichloroethene	ND	0.0011	0.00021	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0056	0.00071	mg/kg	
75-01-4	Vinyl chloride	ND	0.0022	0.00023	mg/kg	
	m,p-Xylene	ND	0.0011	0.00025	mg/kg	
95-47-6	o-Xylene	ND	0.0011	0.00023	mg/kg	
1330-20-7	Xylene (total)	ND	0.0011	0.00023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		72-129%
17060-07-0	1,2-Dichloroethane-D4	103%		73-132%
2037-26-5	Toluene-D8	102%		80-120%
460-00-4	4-Bromofluorobenzene	100%		77-125%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	Total TIC, Volatile		0	mg/kg	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
4

Report of Analysis

Client Sample ID: SB-7 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-10		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 82.4
Method: SW846 8270D SW846 3546		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Z123198.D	1	07/05/17 13:35	FW	07/01/17 07:30	OP4109	EZ6103
Run #2							

Run #1	Initial Weight	Final Volume
Run #1	31.8 g	1.0 ml
Run #2		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
95-57-8	2-Chlorophenol	ND	0.076	0.019	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.19	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.19	0.033	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.19	0.068	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	0.19	0.14	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.19	0.041	mg/kg	
95-48-7	2-Methylphenol	ND	0.076	0.024	mg/kg	
	3&4-Methylphenol	ND	0.076	0.031	mg/kg	
88-75-5	2-Nitrophenol	ND	0.19	0.025	mg/kg	
100-02-7	4-Nitrophenol	ND	0.38	0.10	mg/kg	
87-86-5	Pentachlorophenol	ND	0.15	0.036	mg/kg	
108-95-2	Phenol	ND	0.076	0.020	mg/kg	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	0.19	0.025	mg/kg	
95-95-4	2,4,5-Trichlorophenol	ND	0.19	0.029	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.19	0.023	mg/kg	
83-32-9	Acenaphthene	0.0598	0.038	0.013	mg/kg	
208-96-8	Acenaphthylene	0.0442	0.038	0.019	mg/kg	
98-86-2	Acetophenone	ND	0.19	0.0082	mg/kg	
120-12-7	Anthracene	0.157	0.038	0.023	mg/kg	
1912-24-9	Atrazine	ND	0.076	0.016	mg/kg	
56-55-3	Benzo(a)anthracene	0.412	0.038	0.011	mg/kg	
50-32-8	Benzo(a)pyrene	0.383	0.038	0.017	mg/kg	
205-99-2	Benzo(b)fluoranthene	0.503	0.038	0.017	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.285	0.038	0.019	mg/kg	
207-08-9	Benzo(k)fluoranthene	0.159	0.038	0.018	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.076	0.015	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.076	0.0093	mg/kg	
92-52-4	1,1'-Biphenyl	ND	0.076	0.0052	mg/kg	
100-52-7	Benzaldehyde	ND	0.19	0.0095	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.076	0.0091	mg/kg	
106-47-8	4-Chloroaniline	ND	0.19	0.014	mg/kg	
86-74-8	Carbazole	0.0581	0.076	0.0055	mg/kg	J

ND = Not detected

MDL = Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SB-7 (7-8) Lab Sample ID: JC46006-10 Matrix: SO - Soil Method: SW846 8270D SW846 3546 Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: 82.4
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ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	71%		27-114%
118-79-6	2,4,6-Tribromophenol	86%		19-152%
4165-60-0	Nitrobenzene-d5	83%		26-134%
321-60-8	2-Fluorobiphenyl	75%		39-124%
1718-51-0	Terphenyl-d14	75%		36-134%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	system artifact	2.93	.2	mg/kg	J
	system artifact	3.03	.23	mg/kg	J
	system artifact/aldol-condensation	3.41	2.9	mg/kg	J
	system artifact	4.58	.24	mg/kg	J
	system artifact	5.96	.15	mg/kg	J
	system artifact	6.67	.24	mg/kg	J
	system artifact	8.23	.15	mg/kg	J
	Phenanthrene methyl	9.17	.15	mg/kg	J
	Anthracene methyl	9.21	.19	mg/kg	J
	unknown	9.32	.21	mg/kg	J
	system artifact	9.86	.17	mg/kg	J
	unknown	11.93	.6	mg/kg	J
	unknown	11.97	.67	mg/kg	J
	system artifact	12.06	.25	mg/kg	J
	unknown PAH substance	14.25	.36	mg/kg	J
	Total TIC, Semi-Volatile		2.33	mg/kg	J

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
4

Report of Analysis

Client Sample ID: SB-7 (7-8)	Date Sampled: 06/27/17
Lab Sample ID: JC46006-10	Date Received: 06/28/17
Matrix: SO - Soil	Percent Solids: 82.4
Method: SW846 8082A SW846 3546	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G148881.D	1	07/05/17 17:58	RK	07/02/17 11:20	OP4118	G2G4062
Run #2							

Run #	Initial Weight	Final Volume
Run #1	16.1 g	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.038	0.030	mg/kg	
11104-28-2	Aroclor 1221	ND	0.038	0.016	mg/kg	
11141-16-5	Aroclor 1232	ND	0.038	0.023	mg/kg	
53469-21-9	Aroclor 1242	ND	0.038	0.019	mg/kg	
12672-29-6	Aroclor 1248	ND	0.038	0.022	mg/kg	
11097-69-1	Aroclor 1254	ND	0.038	0.017	mg/kg	
11096-82-5	Aroclor 1260	ND	0.038	0.027	mg/kg	
11100-14-4	Aroclor 1268	ND	0.038	0.017	mg/kg	
37324-23-5	Aroclor 1262	ND	0.038	0.020	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	85%		24-152%
877-09-8	Tetrachloro-m-xylene	76%		24-152%
2051-24-3	Decachlorobiphenyl	142%		10-166%
2051-24-3	Decachlorobiphenyl	194% ^a		10-166%

(a) Outside control limits due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.10
4

Report of Analysis

Client Sample ID: SB-7 (7-8)		Date Sampled: 06/27/17
Lab Sample ID: JC46006-10		Date Received: 06/28/17
Matrix: SO - Soil		Percent Solids: 82.4
Project: 233-239 Nevins Street, Brooklyn, NY		

Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	3790	29	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Antimony ^a	< 11	11	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Arsenic ^a	< 11	11	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Barium	71.3	11	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Beryllium	0.21	0.11	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Cadmium	< 0.29	0.29	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Calcium	118000	2900	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Chromium	7.4	0.57	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Cobalt	2.9	2.9	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Copper	14.2	1.4	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Iron	6360	29	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Lead	215	1.1	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Magnesium	2050	290	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Manganese	205	0.86	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Mercury	1.5	0.071	mg/kg	2	06/30/17	06/30/17 JPM	SW846 7471B ¹	SW846 7471B ⁴
Nickel	8.4	2.3	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Potassium	873	570	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Selenium ^a	< 11	11	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Silver ^a	< 2.9	2.9	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Sodium	< 570	570	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Thallium ^a	< 5.7	5.7	mg/kg	10	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Vanadium	10.0	2.9	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³
Zinc	60.0	2.9	mg/kg	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3050B ³

(1) Instrument QC Batch: MA42330

(2) Instrument QC Batch: MA42342

(3) Prep QC Batch: MP1694

(4) Prep QC Batch: MP1715

(a) Elevated detection limit due to dilution required for high interfering element.

RL = Reporting Limit

Report of Analysis

Client Sample ID: TW-9		Date Sampled: 06/27/17
Lab Sample ID: JC46006-11		Date Received: 06/28/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	257	10	2.5	ug/l	
79-20-9	Methyl Acetate	ND	50	31	ug/l	
108-87-2	Methylcyclohexane	3360 ^a	500	180	ug/l	
1634-04-4	Methyl Tert Butyl Ether	8.4	10	2.5	ug/l	J
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	50	30	ug/l	
75-09-2	Methylene chloride	ND	20	10	ug/l	
100-42-5	Styrene	ND	10	2.4	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	1.7	ug/l	
127-18-4	Tetrachloroethene	ND	10	5.0	ug/l	
108-88-3	Toluene	10.6	10	2.5	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	10	5.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	2.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	2.4	ug/l	
79-01-6	Trichloroethene	ND	10	2.7	ug/l	
75-69-4	Trichlorofluoromethane	ND	20	6.0	ug/l	
75-01-4	Vinyl chloride	ND	10	6.2	ug/l	
	m,p-Xylene	28.3	10	4.3	ug/l	
95-47-6	o-Xylene	3.9	10	2.2	ug/l	J
1330-20-7	Xylene (total)	32.2	10	2.2	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	98%	76-120%
17060-07-0	1,2-Dichloroethane-D4	94%	96%	73-122%
2037-26-5	Toluene-D8	99%	97%	84-119%
460-00-4	4-Bromofluorobenzene	104%	93%	78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.44	780	ug/l	J
	alkane	12.82	480	ug/l	J
	alkene	13.41	480	ug/l	J
	alkene	13.68	510	ug/l	J
	unknown	14.08	490	ug/l	J
	alkane	15.05	490	ug/l	J
103-65-1	Benzene, propyl-	17.26	770	ug/l	JN
	C4 alkyl benzene	18.48	460	ug/l	J
496-11-7	Indane	18.55	1300	ug/l	JN
	C4 alkyl benzene	18.94	1300	ug/l	J

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-9 Lab Sample ID: JC46006-11 Matrix: AQ - Ground Water Method: SW846 8260C Project: 233-239 Nevins Street, Brooklyn, NY	Date Sampled: 06/27/17 Date Received: 06/28/17 Percent Solids: n/a
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VOA TCL List

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	1H-Indene-dihydro-methyl- isomer	19.09	840	ug/l	J
	C4 alkyl benzene	19.31	750	ug/l	J
	1H-Indene-dihydro-methyl- isomer	19.64	820	ug/l	J
	C4 alkyl benzene	19.77	860	ug/l	J
	1H-Indene-dihydro-methyl- isomer	19.80	1200	ug/l	J
	1H-indene-dihydro-dimethyl- isomer	20.07	640	ug/l	J
	Total TIC, Volatile		11390	ug/l	J

(a) Result is from Run# 2

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit
 E = Indicates value exceeds calibration range

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

4.11
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Report of Analysis

Client Sample ID: TW-9		Date Sampled: 06/27/17
Lab Sample ID: JC46006-11		Date Received: 06/28/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Compound	Result	RL	MDL	Units	Q
105-60-2	Caprolactam	ND	4.0	1.3	ug/l	
218-01-9	Chrysene	10.9	2.0	0.35	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.0	0.56	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.0	0.50	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.0	0.81	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.0	0.73	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	2.0	1.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	2.0	0.95	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	4.0	1.0	ug/l	
123-91-1	1,4-Dioxane	ND	2.0	1.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	2.0	0.66	ug/l	
132-64-9	Dibenzofuran	ND	10	0.44	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.0	0.99	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.0	0.47	ug/l	
84-66-2	Diethyl phthalate	ND	4.0	0.52	ug/l	
131-11-3	Dimethyl phthalate	ND	4.0	0.44	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.0	3.3	ug/l	
206-44-0	Fluoranthene	47.5	2.0	0.34	ug/l	
86-73-7	Fluorene	28.2	2.0	0.34	ug/l	
118-74-1	Hexachlorobenzene	ND	2.0	0.65	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.98	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	20	5.6	ug/l	
67-72-1	Hexachloroethane	ND	4.0	0.78	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	3.1	2.0	0.66	ug/l	
78-59-1	Isophorone	ND	4.0	0.55	ug/l	
91-57-6	2-Methylnaphthalene	5.2	2.0	0.42	ug/l	
88-74-4	2-Nitroaniline	ND	10	0.55	ug/l	
99-09-2	3-Nitroaniline	ND	10	0.77	ug/l	
100-01-6	4-Nitroaniline	ND	10	0.88	ug/l	
91-20-3	Naphthalene	ND	2.0	0.46	ug/l	
98-95-3	Nitrobenzene	ND	4.0	1.3	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.0	0.96	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	10	0.44	ug/l	
85-01-8	Phenanthrene	88.3	2.0	0.35	ug/l	
129-00-0	Pyrene	36.0	2.0	0.44	ug/l	
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	4.0	0.74	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	35%		10-110%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-9		Date Sampled: 06/27/17
Lab Sample ID: JC46006-11		Date Received: 06/28/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8270D SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

ABN TCL List (SOM0 2.0)

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-62-2	Phenol-d5	24%		10-110%
118-79-6	2,4,6-Tribromophenol	96%		36-151%
4165-60-0	Nitrobenzene-d5	68%		34-128%
321-60-8	2-Fluorobiphenyl	76%		38-119%
1718-51-0	Terphenyl-d14	47%		26-129%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
496-11-7	C 3 alkyl benzene	4.12	49	ug/l	J
	C 3 alkyl benzene	4.33	140	ug/l	J
	Indane	4.85	140	ug/l	JN
	C 4 alkyl benzene	4.89	87	ug/l	J
	unknown	4.95	95	ug/l	J
	C 4 alkyl benzene	5.00	50	ug/l	J
	unknown	5.45	55	ug/l	J
	Naphthalene ethyl	6.61	48	ug/l	J
	Naphthalene dimethyl	6.67	110	ug/l	J
	Naphthalene dimethyl	6.74	140	ug/l	J
	Naphthalene dimethyl	6.76	75	ug/l	J
	alkane	6.79	130	ug/l	J
	Naphthalene dimethyl	6.84	70	ug/l	J
	Naphthalene ethyl	6.92	44	ug/l	J
	unknown	6.97	46	ug/l	J
	Naphthalene trimethyl	7.16	54	ug/l	J
	Naphthalene trimethyl	7.27	73	ug/l	J
	Naphthalene trimethyl	7.31	83	ug/l	J
	Naphthalene trimethyl	7.40	53	ug/l	J
	Naphthalene trimethyl	7.50	71	ug/l	J
alkane	7.81	74	ug/l	J	
alkane	8.17	190	ug/l	J	
9H-Fluorene methyl	8.41	48	ug/l	J	
alkane	8.87	81	ug/l	J	
unknown	9.85	43	ug/l	J	
	Total TIC, Semi-Volatile		2049	ug/l	J

(a) Dilution required due to matrix interference.

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.11
4

Report of Analysis

Client Sample ID: TW-9		Date Sampled: 06/27/17
Lab Sample ID: JC46006-11		Date Received: 06/28/17
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8081B SW846 3510C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	8G7220.D	1	07/01/17 13:32	KD	06/30/17 16:10	OP4155	G8G205
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

Pesticide TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
309-00-2	Aldrin	ND	0.0067	0.0040	ug/l	
319-84-6	alpha-BHC	ND	0.0067	0.0040	ug/l	
319-85-7	beta-BHC	ND	0.0067	0.0038	ug/l	
319-86-8	delta-BHC	ND	0.0067	0.0030	ug/l	
58-89-9	gamma-BHC (Lindane)	ND	0.0067	0.0019	ug/l	
5103-71-9	alpha-Chlordane	ND	0.0067	0.0031	ug/l	
5103-74-2	gamma-Chlordane	ND	0.0067	0.0031	ug/l	
60-57-1	Dieldrin	ND	0.0067	0.0024	ug/l	
72-54-8	4,4' -DDD	ND	0.0067	0.0025	ug/l	
72-55-9	4,4' -DDE	ND	0.0067	0.0041	ug/l	
50-29-3	4,4' -DDT	ND	0.0067	0.0033	ug/l	
72-20-8	Endrin	ND	0.0067	0.0034	ug/l	
1031-07-8	Endosulfan sulfate	ND	0.0067	0.0035	ug/l	
7421-93-4	Endrin aldehyde	ND	0.0067	0.0034	ug/l	
53494-70-5	Endrin ketone	ND	0.0067	0.0034	ug/l	
959-98-8	Endosulfan-I	ND	0.0067	0.0033	ug/l	
33213-65-9	Endosulfan-II	ND	0.0067	0.0029	ug/l	
76-44-8	Heptachlor	ND	0.0067	0.0025	ug/l	
1024-57-3	Heptachlor epoxide	ND	0.0067	0.0044	ug/l	
72-43-5	Methoxychlor	ND	0.013	0.0038	ug/l	
8001-35-2	Toxaphene	ND	0.17	0.12	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	114%		13-153%
877-09-8	Tetrachloro-m-xylene	109%		13-153%
2051-24-3	Decachlorobiphenyl	21%		10-138%
2051-24-3	Decachlorobiphenyl	57%		10-138%

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TW-9	Date Sampled: 06/27/17
Lab Sample ID: JC46006-11	Date Received: 06/28/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8082A SW846 3510C	
Project: 233-239 Nevins Street, Brooklyn, NY	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	EF171792.D	1	07/03/17 19:18	JR	06/30/17 16:10	OP4154	GEF6000
Run #2							

Run #	Initial Volume	Final Volume
Run #1	300 ml	2.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	0.33	0.21	ug/l	
11104-28-2	Aroclor 1221	ND	0.33	0.32	ug/l	
11141-16-5	Aroclor 1232	ND	0.33	0.16	ug/l	
53469-21-9	Aroclor 1242	ND	0.33	0.24	ug/l	
12672-29-6	Aroclor 1248	ND	0.33	0.15	ug/l	
11097-69-1	Aroclor 1254	ND	0.33	0.17	ug/l	
11096-82-5	Aroclor 1260	ND	0.33	0.14	ug/l	
11100-14-4	Aroclor 1268	ND	0.33	0.16	ug/l	
37324-23-5	Aroclor 1262	ND	0.33	0.15	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	67%		11-166%
877-09-8	Tetrachloro-m-xylene	77%		11-166%
2051-24-3	Decachlorobiphenyl	25%		10-150%
2051-24-3	Decachlorobiphenyl	37%		10-150%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.11
4

Report of Analysis

Client Sample ID: TW-9	Date Sampled: 06/27/17
Lab Sample ID: JC46006-11	Date Received: 06/28/17
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY	

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum ^a	18600	1000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Antimony ^a	< 30	30	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Arsenic ^a	38.0	15	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Barium ^a	< 1000	1000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Beryllium ^a	< 5.0	5.0	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Cadmium ^a	< 15	15	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Calcium ^a	200000	25000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Chromium ^a	64.5	50	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Cobalt ^a	< 250	250	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Copper ^a	89.5	50	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Iron ^a	62800	500	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Lead ^a	955	15	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Magnesium ^a	44700	25000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Manganese ^a	1640	75	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Mercury ^a	6.3	0.60	ug/l	1	06/29/17	06/30/17 JA	SW846 7470A ¹	SW846 7470A ⁴
Nickel ^a	118	50	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Potassium ^a	< 50000	50000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Selenium ^a	< 50	50	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Silver ^a	< 50	50	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Sodium ^a	184000	50000	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Thallium ^a	< 10	10	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Vanadium ^a	< 250	250	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³
Zinc ^a	514	100	ug/l	1	06/29/17	06/30/17 AB	SW846 6010C ²	SW846 3010A ³

(1) Instrument QC Batch: MA42337

(2) Instrument QC Batch: MA42341

(3) Prep QC Batch: MP1689

(4) Prep QC Batch: MP1711

(a) Elevated sample detection limit due to difficult sample matrix.

RL = Reporting Limit

Report of Analysis

Client Sample ID: TW-9		Date Sampled: 06/27/17
Lab Sample ID: JC46006-11F		Date Received: 06/28/17
Matrix: AQ - Groundwater Filtered		Percent Solids: n/a
Project: 233-239 Nevins Street, Brooklyn, NY		

Dissolved Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed By	Method	Prep Method
Aluminum	< 200	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Antimony	< 6.0	6.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Arsenic	10.2	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Barium	211	200	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Beryllium	< 1.0	1.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cadmium	< 3.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Calcium	219000	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Chromium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Cobalt	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Copper	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Iron	9890	100	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Lead	13.0	3.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Magnesium	39500	5000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Manganese	1240	15	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Mercury	< 0.20	0.20	ug/l	1	06/29/17	06/30/17	JA	SW846 7470A ¹ SW846 7470A ⁴
Nickel	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Potassium	36100	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Selenium	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Silver	< 10	10	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Sodium	172000	10000	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Thallium	< 2.0	2.0	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Vanadium	< 50	50	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³
Zinc	< 20	20	ug/l	1	06/29/17	06/30/17	AB	SW846 6010C ² SW846 3010A ³

(1) Instrument QC Batch: MA42337

(2) Instrument QC Batch: MA42341

(3) Prep QC Batch: MP1689

(4) Prep QC Batch: MP1711

RL = Reporting Limit

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4

Report of Analysis

Client Sample ID: TRIP BLANK		Date Sampled: 06/27/17
Lab Sample ID: JC46006-12		Date Received: 06/28/17
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2D167981.D	1	06/29/17 18:50	EC	n/a	n/a	V2D7044
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	10	5.0	ug/l	
71-43-2	Benzene	ND	0.50	0.17	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.38	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.22	ug/l	
75-25-2	Bromoform	ND	1.0	0.42	ug/l	
74-83-9	Bromomethane	ND	2.0	1.4	ug/l	
78-93-3	2-Butanone (MEK)	ND	10	4.8	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.23	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.34	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.24	ug/l	
75-00-3	Chloroethane	ND	1.0	0.59	ug/l	
67-66-3	Chloroform	ND	1.0	0.29	ug/l	
74-87-3	Chloromethane	ND	1.0	0.53	ug/l	
110-82-7	Cyclohexane	ND	5.0	0.63	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.69	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.16	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.21	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	1.0	0.50	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	1.0	0.50	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.9	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.20	ug/l	
75-35-4	1,1-Dichloroethene	ND	1.0	0.47	ug/l	
156-59-2	cis-1,2-Dichloroethene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethene	ND	1.0	0.40	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.22	ug/l	
76-13-1	Freon 113	ND	5.0	1.2	ug/l	
591-78-6	2-Hexanone	ND	5.0	3.3	ug/l	

ND = Not detected MDL = Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: TRIP BLANK		Date Sampled: 06/27/17
Lab Sample ID: JC46006-12		Date Received: 06/28/17
Matrix: AQ - Trip Blank Water		Percent Solids: n/a
Method: SW846 8260C		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	1.0	0.25	ug/l	
79-20-9	Methyl Acetate	ND	5.0	3.1	ug/l	
108-87-2	Methylcyclohexane	ND	5.0	1.8	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.25	ug/l	
108-10-1	4-Methyl-2-pentanone(MIBK)	ND	5.0	3.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	1.0	ug/l	
100-42-5	Styrene	ND	1.0	0.24	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.17	ug/l	
127-18-4	Tetrachloroethene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.25	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.25	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethene	ND	1.0	0.27	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.62	ug/l	
	m,p-Xylene	ND	1.0	0.43	ug/l	
95-47-6	o-Xylene	ND	1.0	0.22	ug/l	
1330-20-7	Xylene (total)	ND	1.0	0.22	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		76-120%
17060-07-0	1,2-Dichloroethane-D4	96%		73-122%
2037-26-5	Toluene-D8	101%		84-119%
460-00-4	4-Bromofluorobenzene	103%		78-117%

CAS No.	Tentatively Identified Compounds	R. T.	Est. Conc.	Units	Q
	system artifact	3.44	33	ug/l	J
	Total TIC, Volatile		0	ug/l	

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

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Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

SGS Accutest Sample Receipt Summary

Job Number: JC46006

Client: _____

Project: _____

Date / Time Received: 6/28/2017 12:32:00 PM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C: Cooler 1: (3.1);

Cooler Temps (Corrected) °C: Cooler 1: (3.8);

Cooler Security

- | | <u>Y</u> | <u>or</u> | <u>N</u> | | <u>Y</u> | <u>or</u> | <u>N</u> |
|---------------------------|-------------------------------------|-----------|--------------------------|-----------------------|-------------------------------------|-----------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |

Cooler Temperature

- | | <u>Y</u> | <u>or</u> | <u>N</u> |
|------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 2. Cooler temp verification: | IR Gun | | |
| 3. Cooler media: | Ice (Bag) | | |
| 4. No. Coolers: | 1 | | |

Quality Control Preservation

- | | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|---------------------------------|-------------------------------------|-----------|--------------------------|--------------------------|
| 1. Trip Blank present / cooler: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Documentation

- | | <u>Y</u> | <u>or</u> | <u>N</u> |
|----------------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |

Sample Integrity - Condition

- | | <u>Y</u> | <u>or</u> | <u>N</u> |
|----------------------------------|-------------------------------------|-----------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | | |

Sample Integrity - Instructions

- | | <u>Y</u> | <u>or</u> | <u>N</u> | <u>N/A</u> |
|-------------------------------------------|-------------------------------------|-----------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

SM089-02
Rev. Date 12/1/16

JC46006: Chain of Custody

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Technical Report for

Equity Environmental Engineering

233-239 Nevins Street, Brooklyn, NY

2017035

SGS Accutest Job Number: JC46043

Sampling Date: 06/27/17

Report to:

Equity Environmental Engineering

bob.jackson@equityenvironmental.com

ATTN: Bob Jackson

Total number of pages in report: **20**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Marty Vitanza 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (L-A-B L2248)

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Test results relate only to samples analyzed.

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Sample Summary

Equity Environmental Engineering

Job No: JC46043

233-239 Nevins Street, Brooklyn, NY

Project No: 2017035

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
JC46043-1	06/27/17	15:45 JV	06/28/17	AIR	Soil Vapor Comp.	SV-3
JC46043-2	06/27/17	14:30 JV	06/28/17	AIR	Soil Vapor Comp.	SV-5
JC46043-3	06/27/17	15:40 JV	06/28/17	AIR	Soil Vapor Comp.	SV-6
JC46043-4	06/27/17	13:54 JV	06/28/17	AIR	Soil Vapor Comp.	SV-9

Summary of Hits

Job Number: JC46043
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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JC46043-1 SV-3

Acetone	32.9	20	6.2	ppbv	TO-15
Cyclohexane	120	20	3.5	ppbv	TO-15
Ethyl Acetate	20.4	20	6.4	ppbv	TO-15
Hexane	20.3	20	2.6	ppbv	TO-15
Methyl Tert Butyl Ether	10.0 J	20	1.9	ppbv	TO-15
1,2,4-Trimethylbenzene	19.2 J	20	5.1	ppbv	TO-15
2,2,4-Trimethylpentane	168	20	2.6	ppbv	TO-15
Acetone	78.2	48	15	ug/m3	TO-15
Cyclohexane	413	69	12	ug/m3	TO-15
Ethyl Acetate	73.4	72	23	ug/m3	TO-15
Hexane	71.5	70	9.2	ug/m3	TO-15
Methyl Tert Butyl Ether	36.1 J	72	6.9	ug/m3	TO-15
1,2,4-Trimethylbenzene	94.4 J	98	25	ug/m3	TO-15
2,2,4-Trimethylpentane	785	93	12	ug/m3	TO-15

JC46043-2 SV-5

Acetone	113	8.0	2.5	ppbv	TO-15
Benzene	5.4 J	8.0	1.0	ppbv	TO-15
Carbon disulfide	18.0	8.0	1.3	ppbv	TO-15
Cyclohexane	2740	16	2.8	ppbv	TO-15
4-Ethyltoluene	7.8 J	8.0	1.1	ppbv	TO-15
Heptane	32.6	8.0	1.8	ppbv	TO-15
Hexane	51.0	8.0	1.1	ppbv	TO-15
Methyl Tert Butyl Ether	185	8.0	0.75	ppbv	TO-15
1,2,4-Trimethylbenzene	22.2	8.0	2.0	ppbv	TO-15
1,3,5-Trimethylbenzene	4.7 J	8.0	1.2	ppbv	TO-15
2,2,4-Trimethylpentane	3110	16	2.1	ppbv	TO-15
Tertiary Butyl Alcohol	13.6	8.0	1.1	ppbv	TO-15
Toluene	15.2	8.0	1.1	ppbv	TO-15
o-Xylene	19.2	8.0	1.4	ppbv	TO-15
Xylenes (total)	19.2	8.0	1.4	ppbv	TO-15
Acetone	268	19	5.9	ug/m3	TO-15
Benzene	17 J	26	3.2	ug/m3	TO-15
Carbon disulfide	56.1	25	4.0	ug/m3	TO-15
Cyclohexane	9430	55	9.6	ug/m3	TO-15
4-Ethyltoluene	38 J	39	5.4	ug/m3	TO-15
Heptane	134	33	7.4	ug/m3	TO-15
Hexane	180	28	3.9	ug/m3	TO-15
Methyl Tert Butyl Ether	667	29	2.7	ug/m3	TO-15
1,2,4-Trimethylbenzene	109	39	9.8	ug/m3	TO-15
1,3,5-Trimethylbenzene	23 J	39	5.9	ug/m3	TO-15
2,2,4-Trimethylpentane	14500	75	9.8	ug/m3	TO-15

Summary of Hits

Job Number: JC46043
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17

Lab Sample ID	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
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Tertiary Butyl Alcohol		41.2	24	3.3	ug/m3	TO-15
Toluene		57.3	30	4.1	ug/m3	TO-15
o-Xylene		83.4	35	6.1	ug/m3	TO-15
Xylenes (total)		83.4	35	6.1	ug/m3	TO-15

JC46043-3 SV-6

Acetone		584	8.0	2.5	ppbv	TO-15
Cyclohexane		5.5 J	8.0	1.4	ppbv	TO-15
Ethanol		184	20	3.8	ppbv	TO-15
Ethylbenzene		7.3 J	8.0	0.91	ppbv	TO-15
Ethyl Acetate		8.4	8.0	2.6	ppbv	TO-15
Heptane		8.1	8.0	1.8	ppbv	TO-15
Hexane		11.9	8.0	1.1	ppbv	TO-15
2-Hexanone		90.2	8.0	1.6	ppbv	TO-15
Methyl ethyl ketone		1450	8.0	1.7	ppbv	TO-15
Propylene		267	20	2.3	ppbv	TO-15
1,2,4-Trimethylbenzene		6.9 J	8.0	2.0	ppbv	TO-15
2,2,4-Trimethylpentane		18.2	8.0	1.1	ppbv	TO-15
Toluene		27.8	8.0	1.1	ppbv	TO-15
m,p-Xylene		21.2	8.0	2.7	ppbv	TO-15
o-Xylene		8.0	8.0	1.4	ppbv	TO-15
Xylenes (total)		29.3	8.0	1.4	ppbv	TO-15
Acetone		1390	19	5.9	ug/m3	TO-15
Cyclohexane		19 J	28	4.8	ug/m3	TO-15
Ethanol		347	38	7.2	ug/m3	TO-15
Ethylbenzene		32 J	35	4.0	ug/m3	TO-15
Ethyl Acetate		30	29	9.4	ug/m3	TO-15
Heptane		33	33	7.4	ug/m3	TO-15
Hexane		41.9	28	3.9	ug/m3	TO-15
2-Hexanone		369	33	6.5	ug/m3	TO-15
Methyl ethyl ketone		4280	24	5.0	ug/m3	TO-15
Propylene		459	34	4.0	ug/m3	TO-15
1,2,4-Trimethylbenzene		34 J	39	9.8	ug/m3	TO-15
2,2,4-Trimethylpentane		85.0	37	5.1	ug/m3	TO-15
Toluene		105	30	4.1	ug/m3	TO-15
m,p-Xylene		92.1	35	12	ug/m3	TO-15
o-Xylene		35	35	6.1	ug/m3	TO-15
Xylenes (total)		127	35	6.1	ug/m3	TO-15

JC46043-4 SV-9

Acetone		80.4	4.0	1.2	ppbv	TO-15
Benzene		3.9 J	4.0	0.51	ppbv	TO-15
Cyclohexane		65.0	4.0	0.71	ppbv	TO-15

Summary of Hits

Job Number: JC46043
Account: Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Collected: 06/27/17

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Ethylbenzene		6.5	4.0	0.45	ppbv	TO-15
Ethyl Acetate		12.4	4.0	1.3	ppbv	TO-15
Heptane		306	4.0	0.92	ppbv	TO-15
Hexane		700	4.0	0.53	ppbv	TO-15
Methyl ethyl ketone		21.2	4.0	0.86	ppbv	TO-15
1,2,4-Trimethylbenzene		8.4	4.0	1.0	ppbv	TO-15
1,3,5-Trimethylbenzene		2.3 J	4.0	0.60	ppbv	TO-15
2,2,4-Trimethylpentane		202	4.0	0.53	ppbv	TO-15
Tetrachloroethylene		0.99	0.80	0.33	ppbv	TO-15
Toluene		31.5	4.0	0.57	ppbv	TO-15
m,p-Xylene		22.1	4.0	1.3	ppbv	TO-15
o-Xylene		8.5	4.0	0.70	ppbv	TO-15
Xylenes (total)		30.6	4.0	0.70	ppbv	TO-15
Acetone		191	9.5	2.9	ug/m3	TO-15
Benzene		12 J	13	1.6	ug/m3	TO-15
Cyclohexane		224	14	2.4	ug/m3	TO-15
Ethylbenzene		28	17	2.0	ug/m3	TO-15
Ethyl Acetate		44.6	14	4.7	ug/m3	TO-15
Heptane		1250	16	3.8	ug/m3	TO-15
Hexane		2470	14	1.9	ug/m3	TO-15
Methyl ethyl ketone		62.5	12	2.5	ug/m3	TO-15
1,2,4-Trimethylbenzene		41	20	4.9	ug/m3	TO-15
1,3,5-Trimethylbenzene		11 J	20	2.9	ug/m3	TO-15
2,2,4-Trimethylpentane		943	19	2.5	ug/m3	TO-15
Tetrachloroethylene		6.7	5.4	2.2	ug/m3	TO-15
Toluene		119	15	2.1	ug/m3	TO-15
m,p-Xylene		96.0	17	5.6	ug/m3	TO-15
o-Xylene		37	17	3.0	ug/m3	TO-15
Xylenes (total)		133	17	3.0	ug/m3	TO-15

Sample Results

Report of Analysis

Report of Analysis

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Client Sample ID: SV-3		Date Sampled: 06/27/17
Lab Sample ID: JC46043-1		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A1144		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	5W25085.D	4.97	07/07/17 03:59	DFT	n/a	n/a	V5W990

Run #1	Initial Volume
Run #2	20.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	32.9	20	6.2	ppbv		78.2	48	15	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	20	2.8	ppbv		ND	44	6.2	ug/m3
71-43-2	78.11	Benzene	ND	20	2.5	ppbv		ND	64	8.0	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	20	2.9	ppbv		ND	130	19	ug/m3
75-25-2	252.8	Bromoform	ND	20	1.8	ppbv		ND	210	19	ug/m3
74-83-9	94.94	Bromomethane	ND	20	3.2	ppbv		ND	78	12	ug/m3
593-60-2	106.9	Bromoethene	ND	20	1.6	ppbv		ND	87	7.0	ug/m3
100-44-7	126	Benzyl Chloride	ND	20	2.1	ppbv		ND	100	11	ug/m3
75-15-0	76.14	Carbon disulfide	ND	20	3.3	ppbv		ND	62	10	ug/m3
108-90-7	112.6	Chlorobenzene	ND	20	1.7	ppbv		ND	92	7.8	ug/m3
75-00-3	64.52	Chloroethane	ND	20	3.6	ppbv		ND	53	9.5	ug/m3
67-66-3	119.4	Chloroform	ND	20	3.1	ppbv		ND	98	15	ug/m3
74-87-3	50.49	Chloromethane	ND	20	6.5	ppbv		ND	41	13	ug/m3
107-05-1	76.53	3-Chloropropene	ND	20	3.7	ppbv		ND	63	12	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	20	3.6	ppbv		ND	100	19	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	20	2.0	ppbv		ND	130	13	ug/m3
110-82-7	84.16	Cyclohexane	120	20	3.5	ppbv		413	69	12	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	20	3.3	ppbv		ND	81	13	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	20	3.3	ppbv		ND	79	13	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	20	2.2	ppbv		ND	150	17	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	20	2.6	ppbv		ND	81	11	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	20	3.2	ppbv		ND	92	15	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	20	4.7	ppbv		ND	72	17	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	20	2.5	ppbv		ND	99	12	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	20	2.5	ppbv		ND	170	21	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	20	2.5	ppbv		ND	79	9.9	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	20	3.3	ppbv		ND	79	13	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	20	2.3	ppbv		ND	91	10	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	20	2.9	ppbv		ND	120	17	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	20	2.8	ppbv		ND	120	17	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	20	2.9	ppbv		ND	120	17	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	20	2.9	ppbv		ND	91	13	ug/m3

ND = Not detected MDL = Method Detection Limit
 RL = Reporting Limit

J = Indicates an estimated value
 B = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-3		Date Sampled: 06/27/17
Lab Sample ID: JC46043-1		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A1144		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	50	9.5	ppbv		ND	94	18	ug/m3
100-41-4	106.2	Ethylbenzene	ND	20	2.3	ppbv		ND	87	10	ug/m3
141-78-6	88	Ethyl Acetate	20.4	20	6.4	ppbv		73.4	72	23	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	20	2.8	ppbv		ND	98	14	ug/m3
76-13-1	187.4	Freon 113	ND	20	2.4	ppbv		ND	150	18	ug/m3
76-14-2	170.9	Freon 114	ND	20	2.4	ppbv		ND	140	17	ug/m3
142-82-5	100.2	Heptane	ND	20	4.6	ppbv		ND	82	19	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	20	2.4	ppbv		ND	210	26	ug/m3
110-54-3	86.17	Hexane	20.3	20	2.6	ppbv		71.5	70	9.2	ug/m3
591-78-6	100	2-Hexanone	ND	20	4.1	ppbv		ND	82	17	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	20	8.9	ppbv		ND	49	22	ug/m3
75-09-2	84.94	Methylene chloride	ND	20	3.3	ppbv		ND	69	11	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	20	4.3	ppbv		ND	59	13	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	20	5.7	ppbv		ND	82	23	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	10.0	20	1.9	ppbv	J	36.1	72	6.9	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	20	4.4	ppbv		ND	82	18	ug/m3
115-07-1	42	Propylene	ND	50	5.8	ppbv		ND	86	10	ug/m3
100-42-5	104.1	Styrene	ND	20	4.5	ppbv		ND	85	19	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	20	1.7	ppbv		ND	110	9.3	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	20	3.6	ppbv		ND	140	25	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	20	2.2	ppbv		ND	110	12	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	20	3.8	ppbv		ND	150	28	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	19.2	20	5.1	ppbv	J	94.4	98	25	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	20	3.0	ppbv		ND	98	15	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	168	20	2.6	ppbv		785	93	12	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	20	2.6	ppbv		ND	61	7.9	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	4.0	1.6	ppbv		ND	27	11	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	20	4.5	ppbv		ND	59	13	ug/m3
108-88-3	92.14	Toluene	ND	20	2.9	ppbv		ND	75	11	ug/m3
79-01-6	131.4	Trichloroethylene	ND	4.0	1.2	ppbv		ND	21	6.4	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	20	1.5	ppbv		ND	110	8.4	ug/m3
75-01-4	62.5	Vinyl chloride	ND	20	3.8	ppbv		ND	51	9.7	ug/m3
108-05-4	86	Vinyl Acetate	ND	20	2.7	ppbv		ND	70	9.5	ug/m3
	106.2	m,p-Xylene	ND	20	6.7	ppbv		ND	87	29	ug/m3
95-47-6	106.2	o-Xylene	ND	20	3.5	ppbv		ND	87	15	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	20	3.5	ppbv		ND	87	15	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	115%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-5		Date Sampled: 06/27/17
Lab Sample ID: JC46043-2		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A540		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W25086.D	1	07/07/17 04:44	DFT	n/a	n/a	V5W990
Run #2	5W25103.D	2	07/07/17 19:55	DFT	n/a	n/a	V5W991

Run #	Initial Volume
Run #1	10.0 ml
Run #2	10.0 ml

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	113	8.0	2.5	ppbv		268	19	5.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	8.0	1.1	ppbv		ND	18	2.4	ug/m3
71-43-2	78.11	Benzene	5.4	8.0	1.0	ppbv	J	17	26	3.2	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	8.0	1.2	ppbv		ND	54	8.0	ug/m3
75-25-2	252.8	Bromoform	ND	8.0	0.71	ppbv		ND	83	7.3	ug/m3
74-83-9	94.94	Bromomethane	ND	8.0	1.3	ppbv		ND	31	5.0	ug/m3
593-60-2	106.9	Bromoethene	ND	8.0	0.62	ppbv		ND	35	2.7	ug/m3
100-44-7	126	Benzyl Chloride	ND	8.0	0.85	ppbv		ND	41	4.4	ug/m3
75-15-0	76.14	Carbon disulfide	18.0	8.0	1.3	ppbv		56.1	25	4.0	ug/m3
108-90-7	112.6	Chlorobenzene	ND	8.0	0.69	ppbv		ND	37	3.2	ug/m3
75-00-3	64.52	Chloroethane	ND	8.0	1.4	ppbv		ND	21	3.7	ug/m3
67-66-3	119.4	Chloroform	ND	8.0	1.2	ppbv		ND	39	5.9	ug/m3
74-87-3	50.49	Chloromethane	ND	8.0	2.6	ppbv		ND	17	5.4	ug/m3
107-05-1	76.53	3-Chloropropene	ND	8.0	1.5	ppbv		ND	25	4.7	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	8.0	1.4	ppbv		ND	41	7.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	8.0	0.80	ppbv		ND	50	5.0	ug/m3
110-82-7	84.16	Cyclohexane	2740 ^a	16	2.8	ppbv		9430 ^a	55	9.6	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	8.0	1.3	ppbv		ND	32	5.3	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	8.0	1.3	ppbv		ND	32	5.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	8.0	0.88	ppbv		ND	61	6.8	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	8.0	1.1	ppbv		ND	32	4.5	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	8.0	1.3	ppbv		ND	37	6.0	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	8.0	1.9	ppbv		ND	29	6.8	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	8.0	1.0	ppbv		ND	40	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	8.0	1.0	ppbv		ND	68	8.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	8.0	1.0	ppbv		ND	32	4.0	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	8.0	1.3	ppbv		ND	32	5.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	8.0	0.93	ppbv		ND	36	4.2	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	8.0	1.2	ppbv		ND	48	7.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	8.0	1.1	ppbv		ND	48	6.6	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	8.0	1.2	ppbv		ND	48	7.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	8.0	1.2	ppbv		ND	36	5.4	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-5		Date Sampled: 06/27/17
Lab Sample ID: JC46043-2		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A540		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	20	3.8	ppbv		ND	38	7.2	ug/m3
100-41-4	106.2	Ethylbenzene	ND	8.0	0.91	ppbv		ND	35	4.0	ug/m3
141-78-6	88	Ethyl Acetate	ND	8.0	2.6	ppbv		ND	29	9.4	ug/m3
622-96-8	120.2	4-Ethyltoluene	7.8	8.0	1.1	ppbv	J	38	39	5.4	ug/m3
76-13-1	187.4	Freon 113	ND	8.0	0.96	ppbv		ND	61	7.4	ug/m3
76-14-2	170.9	Freon 114	ND	8.0	0.97	ppbv		ND	56	6.8	ug/m3
142-82-5	100.2	Heptane	32.6	8.0	1.8	ppbv		134	33	7.4	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	8.0	0.96	ppbv		ND	85	10	ug/m3
110-54-3	86.17	Hexane	51.0	8.0	1.1	ppbv		180	28	3.9	ug/m3
591-78-6	100	2-Hexanone	ND	8.0	1.6	ppbv		ND	33	6.5	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	8.0	3.6	ppbv		ND	20	8.8	ug/m3
75-09-2	84.94	Methylene chloride	ND	8.0	1.3	ppbv		ND	28	4.5	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	8.0	1.7	ppbv		ND	24	5.0	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	8.0	2.3	ppbv		ND	33	9.4	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	185	8.0	0.75	ppbv		667	29	2.7	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	8.0	1.8	ppbv		ND	33	7.4	ug/m3
115-07-1	42	Propylene	ND	20	2.3	ppbv		ND	34	4.0	ug/m3
100-42-5	104.1	Styrene	ND	8.0	1.8	ppbv		ND	34	7.7	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	8.0	0.68	ppbv		ND	44	3.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	8.0	1.4	ppbv		ND	55	9.6	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	8.0	0.88	ppbv		ND	44	4.8	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	8.0	1.5	ppbv		ND	59	11	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	22.2	8.0	2.0	ppbv		109	39	9.8	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	4.7	8.0	1.2	ppbv	J	23	39	5.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	3110 ^a	16	2.1	ppbv		14500 ^a	75	9.8	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	13.6	8.0	1.1	ppbv		41.2	24	3.3	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	1.6	0.66	ppbv		ND	11	4.5	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	8.0	1.8	ppbv		ND	24	5.3	ug/m3
108-88-3	92.14	Toluene	15.2	8.0	1.1	ppbv		57.3	30	4.1	ug/m3
79-01-6	131.4	Trichloroethylene	ND	1.6	0.47	ppbv		ND	8.6	2.5	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	8.0	0.60	ppbv		ND	45	3.4	ug/m3
75-01-4	62.5	Vinyl chloride	ND	8.0	1.5	ppbv		ND	20	3.8	ug/m3
108-05-4	86	Vinyl Acetate	ND	8.0	1.1	ppbv		ND	28	3.9	ug/m3
	106.2	m,p-Xylene	ND	8.0	2.7	ppbv		ND	35	12	ug/m3
95-47-6	106.2	o-Xylene	19.2	8.0	1.4	ppbv		83.4	35	6.1	ug/m3
1330-20-7	106.2	Xylenes (total)	19.2	8.0	1.4	ppbv		83.4	35	6.1	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	243% ^b	216% ^b	65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-5		Date Sampled: 06/27/17
Lab Sample ID: JC46043-2		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A540		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
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- (a) Result is from Run# 2
- (b) Outside control limits due to matrix interference.

ND = Not detected	MDL = Method Detection Limit	J = Indicates an estimated value
RL = Reporting Limit		B = Indicates analyte found in associated method blank
E = Indicates value exceeds calibration range		N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SV-6		Date Sampled: 06/27/17
Lab Sample ID: JC46043-3		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A1124		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W25104.D	1	07/07/17 20:39	DFT	n/a	n/a	V5W991
Run #2							

Run #1	Initial Volume
Run #1	10.0 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	584	8.0	2.5	ppbv		1390	19	5.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	8.0	1.1	ppbv		ND	18	2.4	ug/m3
71-43-2	78.11	Benzene	ND	8.0	1.0	ppbv		ND	26	3.2	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	8.0	1.2	ppbv		ND	54	8.0	ug/m3
75-25-2	252.8	Bromoform	ND	8.0	0.71	ppbv		ND	83	7.3	ug/m3
74-83-9	94.94	Bromomethane	ND	8.0	1.3	ppbv		ND	31	5.0	ug/m3
593-60-2	106.9	Bromoethene	ND	8.0	0.62	ppbv		ND	35	2.7	ug/m3
100-44-7	126	Benzyl Chloride	ND	8.0	0.85	ppbv		ND	41	4.4	ug/m3
75-15-0	76.14	Carbon disulfide	ND	8.0	1.3	ppbv		ND	25	4.0	ug/m3
108-90-7	112.6	Chlorobenzene	ND	8.0	0.69	ppbv		ND	37	3.2	ug/m3
75-00-3	64.52	Chloroethane	ND	8.0	1.4	ppbv		ND	21	3.7	ug/m3
67-66-3	119.4	Chloroform	ND	8.0	1.2	ppbv		ND	39	5.9	ug/m3
74-87-3	50.49	Chloromethane	ND	8.0	2.6	ppbv		ND	17	5.4	ug/m3
107-05-1	76.53	3-Chloropropene	ND	8.0	1.5	ppbv		ND	25	4.7	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	8.0	1.4	ppbv		ND	41	7.2	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	8.0	0.80	ppbv		ND	50	5.0	ug/m3
110-82-7	84.16	Cyclohexane	5.5	8.0	1.4	ppbv	J	19	28	4.8	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	8.0	1.3	ppbv		ND	32	5.3	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	8.0	1.3	ppbv		ND	32	5.2	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	8.0	0.88	ppbv		ND	61	6.8	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	8.0	1.1	ppbv		ND	32	4.5	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	8.0	1.3	ppbv		ND	37	6.0	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	8.0	1.9	ppbv		ND	29	6.8	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	8.0	1.0	ppbv		ND	40	4.9	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	8.0	1.0	ppbv		ND	68	8.5	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	8.0	1.0	ppbv		ND	32	4.0	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	8.0	1.3	ppbv		ND	32	5.2	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	8.0	0.93	ppbv		ND	36	4.2	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	8.0	1.2	ppbv		ND	48	7.2	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	8.0	1.1	ppbv		ND	48	6.6	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	8.0	1.2	ppbv		ND	48	7.2	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	8.0	1.2	ppbv		ND	36	5.4	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-6		Date Sampled: 06/27/17
Lab Sample ID: JC46043-3		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: A1124		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	184	20	3.8	ppbv		347	38	7.2	ug/m3
100-41-4	106.2	Ethylbenzene	7.3	8.0	0.91	ppbv	J	32	35	4.0	ug/m3
141-78-6	88	Ethyl Acetate	8.4	8.0	2.6	ppbv		30	29	9.4	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	8.0	1.1	ppbv		ND	39	5.4	ug/m3
76-13-1	187.4	Freon 113	ND	8.0	0.96	ppbv		ND	61	7.4	ug/m3
76-14-2	170.9	Freon 114	ND	8.0	0.97	ppbv		ND	56	6.8	ug/m3
142-82-5	100.2	Heptane	8.1	8.0	1.8	ppbv		33	33	7.4	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	8.0	0.96	ppbv		ND	85	10	ug/m3
110-54-3	86.17	Hexane	11.9	8.0	1.1	ppbv		41.9	28	3.9	ug/m3
591-78-6	100	2-Hexanone	90.2	8.0	1.6	ppbv		369	33	6.5	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	8.0	3.6	ppbv		ND	20	8.8	ug/m3
75-09-2	84.94	Methylene chloride	ND	8.0	1.3	ppbv		ND	28	4.5	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1450	8.0	1.7	ppbv		4280	24	5.0	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	8.0	2.3	ppbv		ND	33	9.4	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	8.0	0.75	ppbv		ND	29	2.7	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	8.0	1.8	ppbv		ND	33	7.4	ug/m3
115-07-1	42	Propylene	267	20	2.3	ppbv		459	34	4.0	ug/m3
100-42-5	104.1	Styrene	ND	8.0	1.8	ppbv		ND	34	7.7	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	8.0	0.68	ppbv		ND	44	3.7	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	8.0	1.4	ppbv		ND	55	9.6	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	8.0	0.88	ppbv		ND	44	4.8	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	8.0	1.5	ppbv		ND	59	11	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	6.9	8.0	2.0	ppbv	J	34	39	9.8	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	ND	8.0	1.2	ppbv		ND	39	5.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	18.2	8.0	1.1	ppbv		85.0	37	5.1	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	8.0	1.1	ppbv		ND	24	3.3	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	1.6	0.66	ppbv		ND	11	4.5	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	8.0	1.8	ppbv		ND	24	5.3	ug/m3
108-88-3	92.14	Toluene	27.8	8.0	1.1	ppbv		105	30	4.1	ug/m3
79-01-6	131.4	Trichloroethylene	ND	1.6	0.47	ppbv		ND	8.6	2.5	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	8.0	0.60	ppbv		ND	45	3.4	ug/m3
75-01-4	62.5	Vinyl chloride	ND	8.0	1.5	ppbv		ND	20	3.8	ug/m3
108-05-4	86	Vinyl Acetate	ND	8.0	1.1	ppbv		ND	28	3.9	ug/m3
	106.2	m,p-Xylene	21.2	8.0	2.7	ppbv		92.1	35	12	ug/m3
95-47-6	106.2	o-Xylene	8.0	8.0	1.4	ppbv		35	35	6.1	ug/m3
1330-20-7	106.2	Xylenes (total)	29.3	8.0	1.4	ppbv		127	35	6.1	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	99%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: SV-9		Date Sampled: 06/27/17
Lab Sample ID: JC46043-4		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: M188		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W25105.D	1	07/07/17 21:24	DFT	n/a	n/a	V5W991
Run #2							

Run #1	Initial Volume
Run #1	20.0 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone	80.4	4.0	1.2	ppbv		191	9.5	2.9	ug/m3
106-99-0	54.09	1,3-Butadiene	ND	4.0	0.56	ppbv		ND	8.8	1.2	ug/m3
71-43-2	78.11	Benzene	3.9	4.0	0.51	ppbv	J	12	13	1.6	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	4.0	0.58	ppbv		ND	27	3.9	ug/m3
75-25-2	252.8	Bromoform	ND	4.0	0.35	ppbv		ND	41	3.6	ug/m3
74-83-9	94.94	Bromomethane	ND	4.0	0.65	ppbv		ND	16	2.5	ug/m3
593-60-2	106.9	Bromoethene	ND	4.0	0.31	ppbv		ND	17	1.4	ug/m3
100-44-7	126	Benzyl Chloride	ND	4.0	0.42	ppbv		ND	21	2.2	ug/m3
75-15-0	76.14	Carbon disulfide	ND	4.0	0.66	ppbv		ND	12	2.1	ug/m3
108-90-7	112.6	Chlorobenzene	ND	4.0	0.34	ppbv		ND	18	1.6	ug/m3
75-00-3	64.52	Chloroethane	ND	4.0	0.72	ppbv		ND	11	1.9	ug/m3
67-66-3	119.4	Chloroform	ND	4.0	0.62	ppbv		ND	20	3.0	ug/m3
74-87-3	50.49	Chloromethane	ND	4.0	1.3	ppbv		ND	8.3	2.7	ug/m3
107-05-1	76.53	3-Chloropropene	ND	4.0	0.74	ppbv		ND	13	2.3	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	4.0	0.72	ppbv		ND	21	3.7	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	4.0	0.40	ppbv		ND	25	2.5	ug/m3
110-82-7	84.16	Cyclohexane	65.0	4.0	0.71	ppbv		224	14	2.4	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	4.0	0.65	ppbv		ND	16	2.6	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	4.0	0.66	ppbv		ND	16	2.6	ug/m3
106-93-4	187.9	1,2-Dibromoethane	ND	4.0	0.44	ppbv		ND	31	3.4	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	4.0	0.53	ppbv		ND	16	2.1	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	4.0	0.65	ppbv		ND	18	3.0	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	4.0	0.94	ppbv		ND	14	3.4	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	ND	4.0	0.51	ppbv		ND	20	2.5	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	4.0	0.50	ppbv		ND	34	4.3	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	4.0	0.51	ppbv		ND	16	2.0	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	4.0	0.67	ppbv		ND	16	2.7	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	4.0	0.46	ppbv		ND	18	2.1	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	4.0	0.58	ppbv		ND	24	3.5	ug/m3
95-50-1	147	o-Dichlorobenzene	ND	4.0	0.55	ppbv		ND	24	3.3	ug/m3
106-46-7	147	p-Dichlorobenzene	ND	4.0	0.58	ppbv		ND	24	3.5	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	4.0	0.58	ppbv		ND	18	2.6	ug/m3

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SV-9		Date Sampled: 06/27/17
Lab Sample ID: JC46043-4		Date Received: 06/28/17
Matrix: AIR - Soil Vapor Comp. Summa ID: M188		Percent Solids: n/a
Method: TO-15		
Project: 233-239 Nevins Street, Brooklyn, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	ND	10	1.9	ppbv		ND	19	3.6	ug/m3
100-41-4	106.2	Ethylbenzene	6.5	4.0	0.45	ppbv		28	17	2.0	ug/m3
141-78-6	88	Ethyl Acetate	12.4	4.0	1.3	ppbv		44.6	14	4.7	ug/m3
622-96-8	120.2	4-Ethyltoluene	ND	4.0	0.55	ppbv		ND	20	2.7	ug/m3
76-13-1	187.4	Freon 113	ND	4.0	0.48	ppbv		ND	31	3.7	ug/m3
76-14-2	170.9	Freon 114	ND	4.0	0.49	ppbv		ND	28	3.4	ug/m3
142-82-5	100.2	Heptane	306	4.0	0.92	ppbv		1250	16	3.8	ug/m3
87-68-3	260.8	Hexachlorobutadiene	ND	4.0	0.48	ppbv		ND	43	5.1	ug/m3
110-54-3	86.17	Hexane	700	4.0	0.53	ppbv		2470	14	1.9	ug/m3
591-78-6	100	2-Hexanone	ND	4.0	0.82	ppbv		ND	16	3.4	ug/m3
67-63-0	60.1	Isopropyl Alcohol	ND	4.0	1.8	ppbv		ND	9.8	4.4	ug/m3
75-09-2	84.94	Methylene chloride	ND	4.0	0.65	ppbv		ND	14	2.3	ug/m3
78-93-3	72.11	Methyl ethyl ketone	21.2	4.0	0.86	ppbv		62.5	12	2.5	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	4.0	1.1	ppbv		ND	16	4.5	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	4.0	0.38	ppbv		ND	14	1.4	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	4.0	0.88	ppbv		ND	16	3.6	ug/m3
115-07-1	42	Propylene	ND	10	1.2	ppbv		ND	17	2.1	ug/m3
100-42-5	104.1	Styrene	ND	4.0	0.91	ppbv		ND	17	3.9	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	4.0	0.34	ppbv		ND	22	1.9	ug/m3
79-34-5	167.9	1,1,2,2-Tetrachloroethane	ND	4.0	0.72	ppbv		ND	27	4.9	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	4.0	0.44	ppbv		ND	22	2.4	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene	ND	4.0	0.77	ppbv		ND	30	5.7	ug/m3
95-63-6	120.2	1,2,4-Trimethylbenzene	8.4	4.0	1.0	ppbv		41	20	4.9	ug/m3
108-67-8	120.2	1,3,5-Trimethylbenzene	2.3	4.0	0.60	ppbv	J	11	20	2.9	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	202	4.0	0.53	ppbv		943	19	2.5	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	4.0	0.53	ppbv		ND	12	1.6	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.99	0.80	0.33	ppbv		6.7	5.4	2.2	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	4.0	0.90	ppbv		ND	12	2.7	ug/m3
108-88-3	92.14	Toluene	31.5	4.0	0.57	ppbv		119	15	2.1	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.80	0.24	ppbv		ND	4.3	1.3	ug/m3
75-69-4	137.4	Trichlorofluoromethane	ND	4.0	0.30	ppbv		ND	22	1.7	ug/m3
75-01-4	62.5	Vinyl chloride	ND	4.0	0.76	ppbv		ND	10	1.9	ug/m3
108-05-4	86	Vinyl Acetate	ND	4.0	0.55	ppbv		ND	14	1.9	ug/m3
	106.2	m,p-Xylene	22.1	4.0	1.3	ppbv		96.0	17	5.6	ug/m3
95-47-6	106.2	o-Xylene	8.5	4.0	0.70	ppbv		37	17	3.0	ug/m3
1330-20-7	106.2	Xylenes (total)	30.6	4.0	0.70	ppbv		133	17	3.0	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		65-128%

ND = Not detected MDL = Method Detection Limit J = Indicates an estimated value
 RL = Reporting Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log

Client / Reporting Information			Project Information					Weather Parameters					Requested Analysis				
Company Name: Equity Environmental			Project Name: NEWS					Temperature (Fahrenheit)					Requested Analysis				
Address: 500 International Dr			Street: 233-239 NEWS ST					Start: 75 Maximum: 82									
City: Mont Olive State: NJ Zip: 07828			City: Brooklyn State: NY					Stop: 82 Minimum: 75									
Project Contact: Bob Jackson E-mail: Bob.Jackson@equityenvironmental.com			Project #: 2017035					Atmospheric Pressure (inches of Hg)									
Phone #: 978-527-7451 Fax #: _____			Client Purchase Order #: 2017035					Start: 30.00 Maximum: 30.00					S-T-O-L				
Sampler(s) Name(s): John Vabel			Other weather comment:					Stop: 29.94 Minimum: 29.68									
Lab Sample #	Field ID / Point of Collection	Air Type	Sampling Equipment Info			Start Sampling Information					Stop Sampling Information						
			Indoor/ Soil Vapors/ Ambient (A)	Canister Serial #	Canister Size 6L or 1L	Flow Controller Serial #	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	Date	Time (24hr clock)	Canister Pressure ("Hg)	Interior Temp (F)	Sampler Init.	
1	SV-3	SV	A1124	1L	FC732	6/27/17	12:56	30	75	JV	6/27/17	15:45	25	81	JV	X	
2	SV-5	SV	A546	1L	FC371	6/27/17	12:15	29	80	JV	6/27/17	14:30	4	82	JV	X	
3	SV-6	SV	A1124	1L	FC127	6/27/17	13:20	29	76	JV	6/27/17	15:40	5	81	JV	X	
4	SV-9	SV	M188	1L	FC65	6/27/17	11:35	28	81	JV	6/27/17	13:54	1	82	JV	X	
Turnaround Time (Business days)			Data Deliverable Information					Comments / Remarks									
Standard - 15 Days 10 Day 5 Day 3 Day 2 Day 1 Day Other			Approved By: _____ Date: _____					All NJDEP TO-15 is mandatory Full T1 Comm A Comm B Reduced T2 Full T1 Other: _____ OKAP reporting					* SV-3 only moved 5 hrs over 3 hrs SUMMA INITIAL ASSESSMENT LABEL VERIFICATION Sample inventory verified upon receipt in the laboratory				
Sample Custody must be documented below each time samples change possession, including courier delivery.																	
Relinquished by: Ray Lawrence		Date Time: 6/26/17 14:00		Received By: [Signature]		Date Time: 6/28/17 12:34		Relinquished by: [Signature]		Date Time: 6/28/17 9:45		Received By: Robert Chambers					
Relinquished by: 3 Robert Chambers		Date Time: 6/28/17 12:34		Received By: [Signature]		Date Time: 6/28/17 12:34		Relinquished by: [Signature]		Date Time: 6/28/17 9:45		Received By: Robert Chambers					
Relinquished by: 5		Date Time: 6/28/17 12:34		Received By: [Signature]		Date Time: 6/28/17 12:34		Relinquished by: [Signature]		Date Time: 6/28/17 9:45		Received By: Robert Chambers		Custody Seal #: 619			

4.1
4

SGS Accutest Sample Receipt Summary

Job Number: JC46043

Client: _____

Project: _____

Date / Time Received: 6/28/2017 12:34:00 PM

Delivery Method: _____

Airbill #'s: _____

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

<u>Cooler Security</u>	<u>Y or N</u>		<u>Y or N</u>	<u>Y or N</u>	
1. Custody Seals Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. COC Present:	<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Custody Seals Intact:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Smpl Dates/Time OK	<input checked="" type="checkbox"/>	<input type="checkbox"/>

<u>Cooler Temperature</u>	<u>Y or N</u>	
1. Temp criteria achieved:	<input type="checkbox"/>	<input type="checkbox"/>
2. Cooler temp verification:	N/A	
3. Cooler media:	N/A	
4. No. Coolers:	N/A	

<u>Quality Control Preservation</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Trip Blank present / cooler:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
2. Trip Blank listed on COC:	<input type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
3. Samples preserved properly:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. VOCs headspace free:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

<u>Sample Integrity - Documentation</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample labels present on bottles:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. Container labeling complete:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Sample container label / COC agree:	<input checked="" type="checkbox"/>		<input type="checkbox"/>

<u>Sample Integrity - Condition</u>	<u>Y</u>	<u>or</u>	<u>N</u>
1. Sample recvd within HT:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
2. All containers accounted for:	<input checked="" type="checkbox"/>		<input type="checkbox"/>
3. Condition of sample:	Intact		

<u>Sample Integrity - Instructions</u>	<u>Y</u>	<u>or</u>	<u>N</u>	<u>N/A</u>
1. Analysis requested is clear:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
2. Bottles received for unspecified tests	<input type="checkbox"/>		<input checked="" type="checkbox"/>	
3. Sufficient volume recvd for analysis:	<input checked="" type="checkbox"/>		<input type="checkbox"/>	
4. Compositing instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Filtering instructions clear:	<input type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>

Comments

SM089-02
Rev. Date 12/1/16

JC46043: Chain of Custody

Page 2 of 2

4.1
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Summa Canister and Flow Controller Log

Job Number: JC46043
Account: EEENJF Equity Environmental Engineering
Project: 233-239 Nevins Street, Brooklyn, NY
Received: 06/28/17

4.2
4

SUMMA CANISTERS													
Shipping						Receiving							
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A1144	1	29.4	06/26/17	PC	CP9186	3W60075.D	JC46043-1	06/29/17	PC	23.5		1	4.98
A540	1	29.4	06/26/17	PC	CP9224	5W24922.D	JC46043-2	06/29/17	PC	2.5			1
A1124	1	29.4	06/26/17	PC	CP9224	5W24922.D	JC46043-3	06/29/17	PC	3.5			1
M188	1	29.4	06/26/17	PC	CP9224	5W24922.D	JC46043-4	06/29/17	PC	1.5			1

FLOW CONTROLLERS / OTHER										
Shipping					Receiving					
Flow Ctrl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type	
FC127	06/26/17	PC	6.3	2	06/30/17	JR	6.9	9.1	Flow Controller	
FC371	06/26/17	PC	6.3	2	06/30/17	JR	6.8	7.6	Flow Controller	
FC615	06/26/17	PC	6.3	2	06/30/17	JR	7	10.5	Flow Controller	
FC732	06/26/17	PC	6.3	2	06/30/17	JR	7.6	18.7	Flow Controller	

SGS Accutest Bottle Order(s):

MP1-062217-159

Prep Date **Room Temp(F)** **Bar Pres "Hg**
 06/26/17 70 29.92