

March 27, 2019

David Godbout
561 HH LLC; The Rector, Church-wardens, and
Vestrymen of Trinity Church, in the City of New-York;
New Remainderman 561 Greenwich LLC
c/o Trinity Real Estate
120 Broadway, 38th Floor
New York, NY 10271

**Re: Waste Characterization Report
561 Greenwich Street
Block 598, Lot 42
New York, New York 10013
BCP Site No.: C231129
Langan Project No.: 190043701**

Dear Mr. Godbout:

We prepared this Waste Characterization Report in support of the planned development project at 561 Greenwich Street in the Hudson Square neighborhood of Manhattan, New York (the site). This report summarizes the results of waste characterization sampling, and can be used along with remedial investigation data (and any other data collected by the contractor) to assist the contractor in selecting appropriate off-site disposal facilities for excavated material and for determining whether the material is suitable for on-site reuse. Soil and groundwater sampling was conducted between October 29 and November 6, 2018 to characterize soil and evaluate groundwater quality for a New York City Department of Environmental Protection (NYCDEP) permit for groundwater discharge to the municipal sewer.

This report documents soil characterization performed on the site, and includes a description of the site background, a description of sampling methodology, a sample location map, a sample summary, tabulated summaries of analytical results, boring logs, and analytical laboratory reports. The sampling frequency was designed to comply with the requirements of many soil disposal facilities that receive soil from construction and remediation sites within the New York City Metropolitan Area. The contractor may be required to perform additional sampling to comply with the sampling frequency and analytical requirements of contractor-selected disposal facilities.

BACKGROUND

Site Description

The site is located in the Hudson Square neighborhood of Manhattan, New York and is identified as Block 598, Lot 42 (former lots 42 and 48), bearing the current addresses of 551 and 561 Greenwich Street. The 20,045-square-foot site is bound by King Street to the north, a 17-story commercial office building to the east (345 Hudson Street), Charlton Street to the south, and Greenwich Street to the west. The site has about 100 feet of frontage along King Street and Charlton Street to the north and south, respectively, and about 200 feet of frontage along Greenwich Street to the west. A site plan is provided as Figure 2.

According to the May 24, 2018 American Land Title Association (ALTA)/National Society of Professional Surveyors (NSPS) Land Title Survey, prepared by Langan, the site elevation (el) ranges from el 10.77 in the southern portion of the site to el 13.88 in the northeastern portion of the site. Elevations presented in the survey are measured in feet and are referenced to the North American Vertical Datum of 1988 (NAVD88). The site is occupied by a one-story ventilated parking structure with a partial cellar and an open-air parking lot.

Proposed Development

The proposed development project is in the early planning stages, but is anticipated to include a 10-story commercial office building spanning the site footprint (20,045-square-feet) with ground-floor retail and one full cellar level at about 15 feet bgs.

Environmental History

According to the January 2009 Phase I Environmental Site Assessment (ESA) Report prepared by AKRF, Inc. (AKRF), historical site use included various commercial, manufacturing and industrial buildings from as early as 1894. Multi-story buildings occupied the north portion of the site from the 1890s until 1968, when they were demolished, and the site was occupied by an open-air parking lot (former Lot 42). A one-story parking garage was constructed in the south portion of the site circa 1932 (former Lot 48). Historical uses of the site include a preserves factory, a packing canned goods company, confectioners' supplies, and an express depot. Two 550-gallon gasoline underground storage tanks (UST) were located beneath the parking garage, as indicated on the 1951, 1968, 1980 and 1994 Sanborn Fire Insurance Maps. UST documentation was not available in the New York State Department of Conservation (NYSDEC) Petroleum Bulk Storage (PBS) database. The surrounding area was developed prior to 1894 and included a paper box factory, coal yard, and an iron storage space across King Street to the north.

The site was assigned an E-Designation (E-288) for hazardous materials (hazmat), air quality, and noise by the New York City Department of City Planning (NYCDCP) following the March 20, 2013

Hudson Square Rezoning (CEQR No. 12DCP045M). The E-Designation requires environmental assessments of soil, groundwater, and soil vapor and coordination with OER. The site is subject to NYSDEC review under the Spills program (Spill No. 1801068).

Remedial Investigation Report and Remedial Action Work Plan

561 HH LLC, New Remainderman 561 Greenwich LLC, and the Rector, Church-Wardens, and Vestrymen of Trinity Church, in the city of New-York applied to the NYSDEC Brownfield Cleanup Program (BCP) as Participants to remediate the site. The BCP Application was submit to the NYSDEC on December 7, 2018 along with a Draft Remedial Investigation Report (RIR) and Draft Remedial Action Work Plan (RAWP). The site was assigned BCP Site No. C231129. The RIR describes the results and findings of soil, groundwater, and soil vapor sampling performed during the Remedial Investigation (RI). The RAWP describes the proposed remediation and mitigation activities to be implemented at the site. The findings of the RIR and RAWP, along with any additional sampling performed at the site, should be considered in concert with the findings of this study when characterizing the excavated material. Excavated materials handling must comply with the RAWP, which is currently under review by the NYSDEC. The Phase I ESA, Draft RIR, and Draft RAWP are provided in Attachment 1.

FIELD INVESTIGATION

Soil Sampling Methodology

Langan performed in-situ waste characterization sampling between October 29 and November 6, 2018. AARCO Environmental Services Corp. (AARCO) of Lindenhurst, New York advanced 20 soil borings (WC01 through WC20) using a track-mounted Geoprobe® 7822DT direct-push drill rig. Soil borings were advanced to depths from about 16 to 28 feet bgs. Soil boring locations are shown on Figure 3, and boring logs are included as Attachment 2.

Soil samples were collected continuously using 2-inch-diameter, 4-foot-long Macro-Core® barrels lined with dedicated acetate sleeves. Extracted soil was continuously screened for indications of a chemical or petroleum release, including staining, odor, and total organic vapors using a calibrated photoionization detector (PID) equipped with a 10.6 electron volt (eV) bulb. Following sample collection, borings were backfilled with clean No. 2 Morie sand, and soil cuttings were containerized within United Nations (UN)/Department of Transportation (DOT) 55-gallon steel drums.

The site was divided into 10 waste characterization areas, each containing at least two borings, based on the proposed excavation depths and volumes. Seventeen sample sets and one duplicate sample set, each consisting of one grab and one composite sample, were collected for laboratory analysis. Grab samples were collected from the depth interval exhibiting the greatest

visual, olfactory, and instrumental evidence of a chemical or petroleum release, if observed. The composite samples were created by homogenizing grab samples from common depth intervals in at least two borings in each waste characterization area.

A summary of sample sets is provided below:

- One sample set each from areas 1, 2, 7, 8, 9, and 10: 0 to 14 feet bgs
- One combined sample set from areas 1 and 2: 14 to 20 feet bgs
- One combined sample set from areas 7 and 8: 14 to 24 feet bgs
- One combined sample set from areas 9 and 10: 14 to 20 feet bgs
- One sample set each from areas 3 and 4: 0 to 12 feet bgs
- One sample set from combined areas 3 and 4: 12 to 20 feet bgs
- One sample set each from areas 5 and 6: 0 to 13 feet bgs
- One sample set from combined areas 5 and 6: 13 to 24 feet bgs

During the investigation, evidence of petroleum contamination was observed in the west-central portion of the site. Two additional sample sets were collected to characterize this material:

- One sample set from petroleum-impacted material in the north-central portion of the site (WC09, WC10, and WC14): 9 to 20 feet bgs
- One sample set from petroleum-impacted material in the south-central portion of the site (WC13, WC15, and WC18): 9 to 24 feet bgs

A portion of the volume of each grab sample that was added to a composite sample was separated and submitted as an individual grab sample, to be analyzed if composite sample results indicate hazardous concentrations of analyzed constituents. If analytical results indicated hazardous constituents in the composite sample, each individual grab sample was analyzed to isolate the location of hazardous material.

All samples were collected into laboratory-supplied containers, placed in ice-chilled coolers, and transported via courier to Alpha Analytical Laboratories, Inc. (Alpha), a New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP No. 11148)-certified laboratory in Westborough, Massachusetts under standard chain-of-custody protocol. TerraCore® sampling kits were used to collect grab samples for volatile organic compound (VOC) analysis. A summary of waste characterization samples and corresponding analytical parameters is provided as Table 1.

Laboratory Analysis

Grab soil samples were analyzed for the following parameters:

- NYSDEC Part 375, Target Compound List (TCL) and New Jersey Department of Environmental Protection (NJDEP) list VOCs by Environmental Protection Agency (EPA) Method 8260C; and
- NJDEP extractable petroleum hydrocarbons (EPH). In addition, two grab samples were analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOCs and Total Petroleum Hydrocarbons (TPH) Gasoline Range Organics (GRO).

Composite soil samples were analyzed for the following parameters:

- NYSDEC Part 375/TCL/Target Analyte List (TAL), and NJDEP list semivolatile organic compounds (SVOC) by EPA method 8270D, polychlorinated biphenyls (PCB) by EPA method 8082A, metals by EPA methods 6061C/7471B, pesticides by EPA method 8081B, herbicides by EPA method 8151A, and TCLP metals by EPA methods 7470A/6010C.

In addition, four composite samples were analyzed for the following:

- TCLP SVOCs, pesticides, and herbicides
- Resource Conservation and Recovery Act (RCRA) soil characteristics and paint filter

Groundwater Sampling Methodology

One groundwater sample was collected from an existing monitoring well (MW02) to support NYCDEP approval to discharge dewatering fluids to a sanitary or combined sewer. Prior to sampling, the well was purged until water quality parameters (i.e., temperature, pH, oxidation/reduction potential [ORP], conductivity, and dissolved oxygen [DO]) stabilized. A groundwater sample was then collected into laboratory-supplied containers and submitted to Alpha Analytical for analysis of NYCDEP sewer discharge parameters. Prior to sample collection, in-situ measurements of pH and temperature were recorded, as required by the NYCDEP. The groundwater sampling log is included in Attachment 3.

FIELD OBSERVATIONS AND RESULTS

Subsurface Observations

The stratigraphy generally consists of about 6 to 14 feet of historic fill material followed by native soil. The fill material generally consists of tan to purplish gray and reddish brown fine-grained sand with varying amounts of gravel, silt, brick, concrete, wood, and coal. A native sand layer consisting of grayish purple to brown fine sand with some silt, clay, and trace medium-grained sand was observed below the fill layer throughout the site. Peat and organic clay layers were observed in eight borings in the central portion of the site.

Evidence of staining, petroleum-like odors, and PID readings above background levels were identified in 11 borings (WC01, WC05, WC07, WC09, WC10, WC12 through WC15, WC18, and WC20). An about 1- to 4-foot-thick interval within the native layers of borings WC01, WC05, WC07, WC12, WC18 and WC20 exhibited a petroleum-like odor with PID readings ranging from 13.5 to 1,532 parts per million (ppm). An about 11.5- to 18.5-foot-thick interval within the fill and native layers of borings WC09, WC10, and WC13 through WC15 exhibited a petroleum-like odor, staining, and PID readings from 14.9 to 15,000 ppm. The maximum PID reading (15,000 ppm) was recorded in borings WC10 from 10 to 11 feet bgs, WC13 from 15 to 16 feet bgs, and WC14 from 15 to 16 feet bgs. These observations are consistent with the findings of previous investigations, and the petroleum impacts are associated with NYSDEC Spill No. 1801068. Soil boring logs are included as Attachment 2.

Groundwater was observed between about 8.5 and 14 feet bgs across the site, which is consistent with the finding of the RI. Groundwater in monitoring well MW02 was gauged using an oil-water interface probe. Evidence of product was not detected, and groundwater was encountered at about 13.19 feet below the top of the well casing, corresponding to elevation -2.63. During the RI, groundwater was encountered at elevation -4.68 in MW02. The headspace PID reading was 103 ppm and petroleum-like odors were apparent during sampling of well MW02.

Soil Analytical Results

Laboratory analytical results were compared to the lower of the NYSDEC Title 6 of the New York Codes, Rules, and Regulations (NYCRR) Part 375 Protection of Health Restricted Use Residential (RUR) and Protection of Groundwater (PGW) Soil Cleanup Objectives (SCO). TCLP sample results were compared to the NYSDEC 6 NYCRR Part 371 and Title 40 of the Code of Federal Regulations (40 CFR) 261 – Maximum Concentration of Contaminants for the Toxicity Characteristic. Soil laboratory analytical results are provided in Tables 2 through 5, and analytical laboratory reports are provided as Attachment 4. QA/QC field and trip blank sample analytical results are provided in the laboratory analytical reports.

Analytical results are presented by material type below. Samples containing concentrations of compounds above the SCOs are shown in bold.

Historic Fill

- VOCs were not detected above the SCOs in grab samples;
- Pesticides, herbicides, and PCBs were not detected above the SCOs in composite samples
- Seven SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene)

were detected above SCOs in samples COMP01_0-14, COMP02_0-14, COMP03_0-12, and COMP04_0-12;

- Three metals (barium, lead, and mercury) were detected at concentrations above SCOs in samples COMP01_0-14, COMP03_0-12, COMP05_0-13, COMP07_0-14, COMP09_0-13, and COMP10_0-13;
- Lead exceeded the NYSDEC 6 NYCRR Part 371 and 40 CFR 261 – Maximum Concentration of Contaminants for the Toxicity Characteristic in samples COMP05_0-13, COMP09_0-13, and COMP10_0-13. The grab samples comprising COMP05_0-13, COMP09_0-13, and COMP10_0-13 were individually analyzed for total and TCLP lead.
 - Total lead exceeded the Part 375 RUR SCO in grab samples WC09_2-4, WC10_6-8, WC17_1-3, WC17_5-6, WC17_6-8, WC19_1-3, WC19_4-6, WC19_6-8, WC20_1-3, and WC20_6-8.
 - TCLP Lead exceeded the NYSDEC 6 NYCRR Part 371 and 40 CFR 261 – Maximum Concentration of Contaminants for the Toxicity Characteristic in grab samples WC09_2-4, WC09_4-6, WC17_1-3, WC17_5-6, WC17_6-8, WC19_1-3, WC19_4-6, WC20_1-3, and WC20_6-8.
- The paint filter test result for sample COMP09_0-13 was positive.

Petroleum-Impacted Material

- Up to six VOCs (benzene, ethylbenzene, naphthalene, n-butylbenzene, n-propylbenzene, and total xylenes) were detected at concentrations above SCOs in grab samples WC14_14-16 and WC15_12-14.
- SVOCs, pesticides, herbicides, metals, and PCBs were not detected above SCOs in composite samples.

Native Material

- One VOC (acetone) was detected at concentrations above SCOs in grab samples WC05_12-14 and WC12_13-15
- SVOCs, pesticides, herbicides, metals, and PCBs were not detected above SCOs in composite samples.

Groundwater Analytical Results

Laboratory analytical results were compared to the NYCDEP Limitations for Effluent to Sanitary or Combined Sewers and are presented in Table 6. A copy of the laboratory report is included in Attachment 4. The analytical results are summarized as follows:

- Four VOCs (benzene, toluene, ethylbenzene, and total xylenes) were detected at concentrations exceeding the NYCDEP Limitations.

- One SVOC, naphthalene, was detected at a concentration exceeding the NYCDEP Limitation.

CONCLUSIONS

Waste characterization results indicate that material excavated during site development will be considered a regulated solid waste and must be transported by a waste removal contractor who possesses a valid New York State Part 364 Waste Transporter Permit and other applicable federal, state, and local regulations, using appropriate permits for transportation to registered or permitted disposal facilities. Hazardous waste (i.e., hazardous lead-contaminated soil) must be handled, transported and disposed in accordance with 40 Code of Federal Regulations (CFR) 263 in addition to applicable federal, state, and local regulations. Hazardous waste must be transported and disposed of under a United States Environmental Protection Agency (USEPA) hazardous waste generator ID.

Groundwater sample results indicate that the future dewatering system will need to incorporate a system to treat groundwater to reduce petroleum contamination (e.g., settling tank, bag filters, granular activated carbon) prior to discharge to the NYC sewers, in accordance with NYCDEP approval and conditions of the permit.

LIMITATIONS

This waste characterization report was prepared expressly for 561 HH LLC; the Rector, Churchwardens and Vestrymen of Trinity Church, in the city of New-York; and New Remainderman 561 Greenwich LLC; and for the objectives defined herein. Langan cannot assume responsibility for the use of this report for any property other than the specific property addressed in this report, or by any third party without specific written authorization from Langan.

The design of our sampling program is not intended to meet the specific requirements of all receiving facilities and the selected waste disposal contractor may be required to perform additional soil sampling and analysis. The sampling frequency and analytical parameter list are conservative and based on typical receiving facility requirements.

The results provided in this report are based on subsurface conditions ascertained from the analysis of a limited number of samples. Recommendations provided are contingent upon one another and no recommendation should be followed independent of the others. Actual conditions encountered may differ substantially from those presented herein and should be promptly brought to the attention of the owner and to Langan. Based on the facility selected or on field observations during construction, the contractor may be required to collect additional samples and have additional laboratory analysis completed. Langan is in no way responsible for the waste characterization grid, including marking out, maintaining, or ensuring the accuracy of

the grid. Handling, characterizing, marking out areas, excavating, transporting, and disposing of material is solely the responsibility of the contractor.

CLOSING

Should you have any questions regarding the findings presented in this report, please do not hesitate to contact the undersigned.

Sincerely,

**Langan Engineering, Environmental, Surveying,
Landscape Architecture and Geology, D.P.C.**



Michael Burke, PG, CHMM
Principal/Vice President

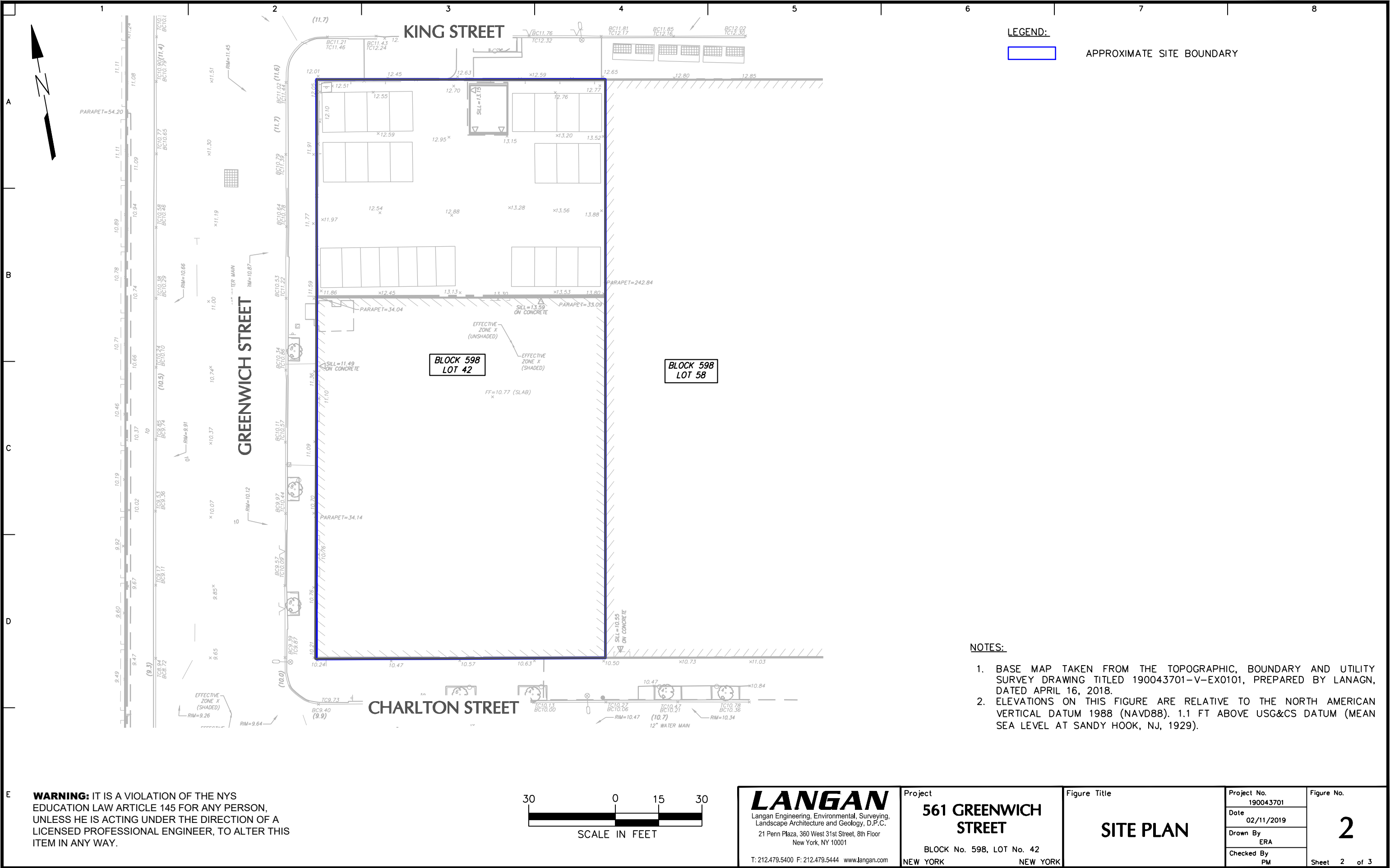
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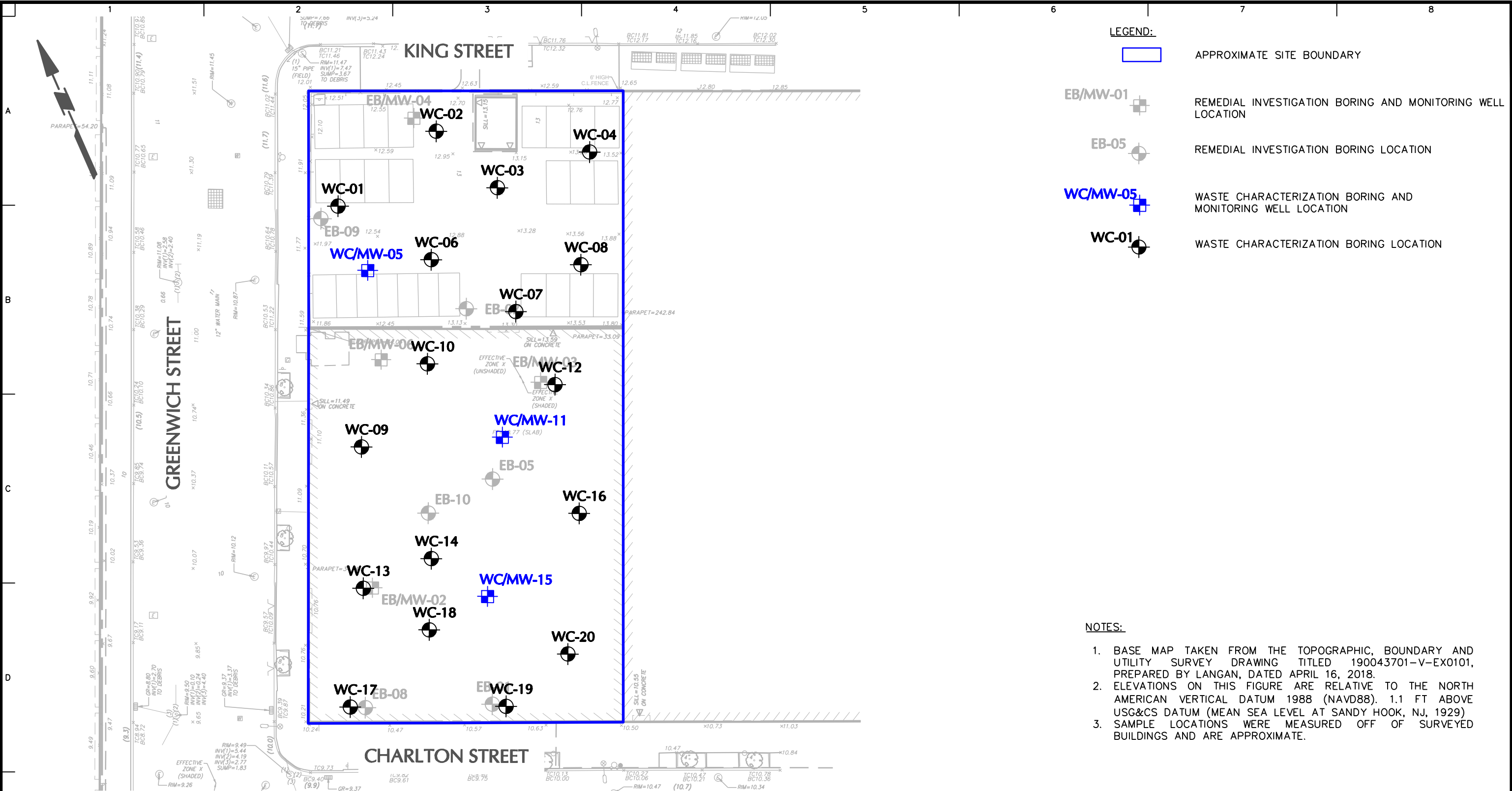
- Figure 1: Site Location Map
- Figure 2: Site Plan
- Figure 3: Sample Location Map

- Table 1: Sample Collection Summary
- Table 2: Grab Soil Sample Analytical Results - VOCs and EPH
- Table 3: Composite Soil Sample Analytical Results – SVOCs, Pest, Herb, PCBs, Metals
- Table 4: Composite Soil Sample Analytical Results – TCLP, RCRA, and Paint Filter
- Table 5: Grab Soil Sample Analytical Results –TCLP Lead and Total Lead
- Table 6: Groundwater Sample Analytical Results – NYCDEP Discharge

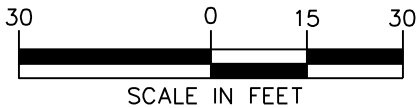
- Attachment 1: Previous Reports
- Attachment 2: Soil Boring Logs
- Attachment 3: Groundwater Construction and Sample Log
- Attachment 4: Laboratory Analytical Reports

FIGURES





WARNING: IT IS A VIOLATION OF THE NYS EDUCATION LAW ARTICLE 145 FOR ANY PERSON, UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS ITEM IN ANY WAY.



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Project
561 GREENWICH STREET
BLOCK No. 598, LOT No. 42
NEW YORK NEW YORK

Figure Title
SAMPLE LOCATION MAP

Project No.
190043701
Date
2/11/2019
Drawn By
ERA
Checked By
PM

Figure No.
3
Sheet 3 of 3

TABLES

Table 1
Preliminary Waste Characterization Report
Sample Collection Summary

561 Greenwich Street
New York, NY
BCP Site No.: C231129
Langan Project No.: 190043701

Area	Sample Name	Boring(s)	Sample Depth (ft bgs)	Sample Date	Sample Type	Analytical Parameters
Soil Samples						
1 & 2	WC02_10-12	WC02	10-12	10/29/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP01_0-14	WC01	2-4	10/29/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			6-8			
		WC02	2-4			
			6-8			
	4-6					
	WC04_6-8	WC04	6-8	10/29/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP02_0-14	WC03	2-4	10/29/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			4-6			
		10-12				
		WC04	2-4			
	6-8					
	WC03_18-20	WC03	18-20	10/29/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
COMP0102_14-20	WC01	14-16	10/29/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals, TCLP SVOCs, TCLP Pesticides, TCLP Herbicides, RCRA hazardous waste characteristics (ignitability, reactivity, corrosivity), and Paint Filter	
		18-20				
	WC02	16-18				
		WC03				14-16
18-20						
3 & 4	WC06_8-10	WC06	8-10	10/29/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP03_0-12	WC05	6-8	10/29/2019 & 10/30/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			8-10			
		WC06	2-4			
			4-6			
	8-10					
	WC08_6-8	WC08	6-8	10/29/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP04_0-12	WC07	6-8	10/29/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			9-11			
		WC08	2-4			
			5-7			
	8-10					
	WC05_12-14	WC05	12-14	10/30/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
WC07_14-16	WC07	14-16	10/29/2018	Grab		
COMP0304_12-20	WC05	14-16	10/29/2019 & 10/30/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals	
		17-19				
	WC06	14-16				
		19-20				
WC07	17-19					
5 & 6	WC09_6-8	WC09	6-8	10/30/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP05_0-13	WC10	4-6	10/30/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			6-8			
		WC09	2-4			
			4-6			
	6-8					
	WC11_6-8	WC11	6-8	10/30/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP06_0-13	WC11	4-6	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			8-10			
		WC12	2-4			
			4-6			
	6-8					
	WC12_13-15	WC12	13-15	10/31/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
COMP0506_13-24	WC09	22-24	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals	
		WC10				22-24
	WC11	13-15				
		16-18				
WC12	18-20					

Table 1
Preliminary Waste Characterization Report
Sample Collection Summary

561 Greenwich Street
New York, NY
BCP Site No.: C231129
Langan Project No.: 190043701

Area	Sample Name	Boring(s)	Sample Depth (ft bgs)	Sample Date	Sample Type	Analytical Parameters
Soil Samples						
7 & 8	WC13_2-4	WC13	2-4	10/31/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP07_0-14	WC13	2-4	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			6-8			
			8-10			
		WC14	1-3			
		5-7				
	WC15_1-3	WC15	1-3	10/31/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP08_0-14	WC15	2-4	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			6-8			
		WC16	2-4			
			6-8			
			8-10			
	WC15_20-22	WC15	20-22	10/31/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
COMP0708_14-24	WC15	20-22	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals	
		22-24				
	WC16	14-16				
		18-20				
		20-22				
9 & 10	WC18_6-8	WC18	6-8	11/1/2018	Grab	Part 375/TCL VOCs
	COMP09_0-13	WC17	1-3	11/1/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals, TCLP SVOCs, TCLP Pesticides, TCLP Herbicides, RCRA hazardous waste characteristics (ignitability, reactivity, corrosivity), and Paint Filter
			5-6			
			6-8			
		WC18	6-8			
		8-10				
	WC20_6-8	WC20	6-8	11/1/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
	COMP10_0-13	WC19	1-3	11/1/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			4-6			
			6-8			
		WC20	1-3			
			6-8			
	WC20_18-20	WC20	18-20	11/1/2018	Grab	Part 375/TCL VOCs, NJDEP EPH
WC18_16-18	WC18	16-18	11/1/2018	Grab	TCLP VOCs	
COMP0910_13-22	WC18	20-22	11/1/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals	
	WC19	13-15				
		18-20				
	WC20	18-20				
		16-18				
Petroleum-Impacted Area	WC14_14-16	WC14	14-16	10/31/2018	Grab	Part 375/TCL VOCs, NJDEP EPH, TPH GRO, TCLP VOCs
	COMP_PL_N_9-20	WC9	9-11	10/31/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals, TCLP SVOCs, TCLP Pesticides, TCLP Herbicides, RCRA hazardous waste characteristics (ignitability, reactivity, corrosivity), and Paint Filter - GRO
			16-18			
		WC10	9-11			
			12-14			
		WC14	18-20			
	WC15_12-14	WC15	12-14	10/31/2018	Grab	Part 375/TCL VOCs
	COMP_PL_S_9-23	WC13	9-11	11/1/2018	Composite	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals, TCLP SVOCs, TCLP Pesticides, TCLP Herbicides, RCRA hazardous waste characteristics (ignitability, reactivity, corrosivity), and Paint Filter - GRO
			14-16			
			21-23			
12-14						
WC18		13-15				
Soil QA/QC Samples						
6	DUP01_COMP_103118	COMP06_0-13	WC11_4-6	10/31/2018	Duplicate	Part 375/TCL/TAL SVOCs, PCBs, pesticides, herbicides, total metals (included hexavalent chromium and cyanide), TCLP metals
			WC11_8-10			
			WC12_2-4			
			WC12_4-6			
			WC12_6-8			
DUP01_GRAB_103118	WC11	6-8	10/30/2018	Duplicate	Part 375/TCL VOCs and NJDEP EPH	
N/A - QA/QC	FIELD BLANK	N/A	N/A	10/30/2018	Field Blank	Part 375/TCL VOCs, SVOCs, Pesticides, Herbicides, PCBs, Part 375/TAL Metals, Total Cyanide
Groundwater						
On-Site Wells	MW02_110618	Existing Well	18	11/6/2018	N/A	Part 375/TCL VOCs, NYCDEP Sewer Discharge Criteria

Notes:

1. All grab soil samples were collected using Terra Core samplers.
2. Part 375 = Title 6 of the official compilation of New York Codes, Rules and Regulations (NYCRR) Part 375
3. VOCs = Volatile organic compounds
4. EPH = Extractable Petroleum Hydrocarbons
5. SVOCs = Semivolatile organic compounds
6. PCBs = Polychlorinated Biphenyls
7. TCL = Target Compound List
8. TAL = Target Analyte List
9. RCRA = Resource Conservation and Recovery Act
10. QA/QC = Quality assurance/quality control
11. ft bgs = feet below grade surface

12. BCP = Brownfield Cleanup Program
13. TCLP = Toxicity Characteristic Leaching Procedure
14. N/A = Not Applicable
15. GRO = Gasoline Range Organics
16. NJDEP = New Jersey Department of Environmental Protection
17. NYCDEP = New York City Department of Enviromental Protection

Table 2
Preliminary Waste Characterization Report
Grab Soil Sample Analytical Results - VOCs and EPH

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location	NYSDEC Part 375	NYSDEC Part 375	WC02	WC03	WC04	WC05	WC06	WC07	WC08	WC09
Sample ID	Restricted Use	Restricted Use	WC02_10-12	WC03_18-20	WC04_6-8	WC05_12-14	WC06_8-10	WC07_14-16	WC08_6-8	WC09_6-8
Laboratory ID	L1844138-04	L1844138-05	L1844138-05	L1844138-05	L1844138-06	L1844138-08	L1844138-05	L1844138-04	L1844138-07	L1844138-07
Sample Date	10/29/2018	10/29/2018	10/29/2018	10/29/2018	10/29/2018	10/30/2018	10/29/2018	10/29/2018	10/29/2018	10/30/2018
Depth Range (feet bgs)	10-12	18-20	6-8	12-14	8-10	14-16	6-8	6-8	6-8	6-8
Volatile Organic Compounds (mg/kg)										
1,1,1,2-Tetrachloroethane	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
1,1,1-Trichloroethane	0.68	100	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
1,1,2,2-Tetrachloroethane	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
1,1,2-Trichloroethane	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,1-Dichloroethane	0.27	19	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,1-Dichloroethene	0.33	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,1-Dichloropropene	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
1,2,3-Trichlorobenzene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,2,3-Trichloropropene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,2,4,5-Tetramethylbenzene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0009 J	0.00028 J	0.0026 U
1,2,4-Trichlorobenzene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,2,4-Trimethylbenzene	3.6	47	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.00058 J	0.0027 U	0.0026 U
1,2-Dibromo-3-Chloropropane	~	~	0.0033 U	0.0028 U	0.003 U	0.0052 U	0.18 U	0.0033 U	0.0041 U	0.0039 U
1,2-Dibromoethane (Ethylene Dibromide)	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,2-Dichlorobenzene	1.1	100	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,2-Dichloroethane	0.02	2.3	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,2-Dichloropropane	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	47	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,3-Dichlorobenzene	2.4	17	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,3-Dichloropropane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,4-Dichlorobenzene	1.8	9.8	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
1,4-Diethyl Benzene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.00031 J	0.0027 U	0.0026 U
1,4-Dioxane (P-Dioxane)	0.1	9.8	0.11 U	0.095 U	0.1 U	0.17 U	6.1 U	0.11 U	0.14 U	0.13 U
2,2-Dichloropropane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
2-Chlorotoluene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
2-Hexanone	~	~	0.011 U	0.0095 U	0.01 U	0.017 U	0.61 U	0.011 U	0.014 U	0.013 U
4-Chlorotoluene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
4-Ethyltoluene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Acetone	0.05	100	0.011 U	0.019 U	0.01 U	0.33 U	0.61 U	0.025 U	0.023 U	0.012 J
Acrolein	~	~	0.027 U	0.024 U	0.025 U	0.043 U	1.5 U	0.028 U	0.034 U	0.033 U
Acrylonitrile	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Benzene	0.06	2.9	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Bromobenzene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Bromochloromethane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Bromodichloromethane	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Bromoform	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Bromomethane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Carbon Disulfide	~	~	0.011 U	0.0095 U	0.01 U	0.017 U	0.61 U	0.011 U	0.014 U	0.013 U
Carbon Tetrachloride	0.76	1.4	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Chlorobenzene	1.1	100	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Chloroethane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Chloroform	0.37	10	0.0016 U	0.0014 U	0.0015 U	0.0026 U	0.0091 J	0.0017 U	0.00019 J	0.002 U
Chloromethane	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Cis-1,2-Dichloroethylene	0.25	59	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Cis-1,3-Dichloropropene	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Cyclohexane	~	~	0.011 U	0.0095 U	0.01 U	0.0021 J	0.61 U	0.011 U	0.014 U	0.013 U
Cymene	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Dibromochloromethane	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Dibromomethane	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Dichlorodifluoromethane	~	~	0.011 U	0.0095 U	0.01 U	0.017 U	0.61 U	0.011 U	0.014 U	0.013 U
Diethyl Ether (Ethyl Ether)	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Ethylbenzene	1	30	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Hexachlorobutadiene	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Isopropylbenzene (Cumene)	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.00041 J	0.0014 U	0.0013 U
M,P-Xylene	~	~	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Methyl Acetate	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.5 U	0.0045 U	0.0055 U	0.0052 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.011 U	0.0095 U	0.01 U	0.045 U	0.61 U	0.011 U	0.014 U	0.013 U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	~	~	0.011 U	0.0095 U	0.01 U	0.017 U	0.61 U	0.011 U	0.014 U	0.013 U
Methylcyclohexane	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Methylene Chloride	0.05	51	0.0055 U	0.0048 U	0.0051 U	0.0087 U	0.3 U	0.0056 U	0.0069 U	0.0066 U
Naphthalene	12	100	0.0044 U	0.0038 U	0.004 U	0.0069 U	1.8 U	0.0024 J	0.14 U	0.0052 U
n-Butylbenzene	12	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
n-Propylbenzene	3.9	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.00054 J	0.0014 U	0.0013 U
o-Xylene (1,2-Dimethylbenzene)	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Sec-Butylbenzene	11	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.00055 J	0.0014 U	0.0013 U
Styrene	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
T-Butylbenzene	5.9	100	0.0022 U	0.0019 U	0.002 U	0.0035 U	0.12 U	0.0022 U	0.0027 U	0.0026 U
Tert-Butyl Alcohol	~	~	0.022 U	0.019 U	0.02 U	0.035 U	1.2 U	0.022 U	0.027 U	0.026 U
Tert-Butyl Methyl Ether	0.93	62	0.0022 U	0.00039 J	0.002 U	0.0035 U	0.12 U	0.00058 J	0.0027 U	0.0026 U
Tetrachloroethene (PCE)	1.3	5.5	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Toluene	0.7	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Total Xylenes	1.6	100	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Total, 1,3-Dichloropropene (Cis And Trans)	~	~	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Trans-1,2-Dichloroethene	0.19	100	0.0016 U	0.0014 U	0.0015 U	0.0026 U	0.092 U	0.0017 U	0.002 U	0.002 U
Trans-1,3-Dichloropropene	~	~	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Trans-1,4-Dichloro-2-Butene	~	~	0.0055 U	0.0048 U	0.0051 U	0.0087 U	0.3 U	0.0056 U	0.0069 U	0.0066 U
Trichloroethene (TCE)	0.47	10	0.00055 U	0.00048 U	0.00051 U	0.00087 U	0.03 U	0.00056 U	0.00069 U	0.00066 U
Trichlorofluoromethane	~	~	0.0044 U	0.0038 U	0.004 U	0.0069 U	0.24 U	0.0045 U	0.0055 U	0.0052 U
Vinyl Acetate	~	~	0.011 U	0.0095 U	0.01 U	0.017 U	0.61 U	0.011 U	0.014 U	0.013 U
Vinyl Chloride	0.02	0.21	0.0011 U	0.00095 U	0.001 U	0.0017 U	0.061 U	0.0011 U	0.0014 U	0.0013 U
Total Petroleum Hydrocarbons (mg/kg)										
Gasoline Range Organics	~	~	NA	NA	NA	NA	NA	NA	NA	NA
Total Extractable Petroleum Hydrocarbons	~	~	57.4	28.2 U	28.4 U	81.1	257	29 U	1,760	38.3
General Chemistry										
Total Solids	~	~	75.1	82.4	80.2	59.9	91	79.7	90.4	84.5

Table 2
Preliminary Waste Characterization Report
Grab Soil Sample Analytical Results - VOCs and EPH

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location	NYSDEC Part 375	NYSDEC Part 375	WC11	WC11	WC12	WC13	WC14	WC15	WC15	WC15	WC18	WC20	WC20											
Sample ID	Restricted Use	Restricted Use	WC11 6-8	DUP01_GRAB_103018	WC12 13-15	WC13 2-4	WC14 14-16	WC15 1-3	WC15 12-14	WC15 20-22	WC18 6-8	WC20 6-8	WC20 18-20											
Laboratory ID	Protection of	Residential SCOs	L1844354-06	L1844582-27	L1844582-02	L1844582-07	L1844582-27	L1844582-13	L1844582-26	L1844582-14	L1844810-09	L1844810-01	L1844810-02											
Sample Date	Groundwater	Residential SCOs	10/30/2018	10/30/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	11/1/2018	11/1/2018	11/1/2018											
Depth Range (feet bgs)	SCOs		6-8	6-8	13-15	2-4	14-16	1-3	12-14	20-22	6-8	6-8	18-20											
Volatile Organic Compounds (mg/kg)																								
1,1,1,2-Tetrachloroethane	~		0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
1,1,1-Trichloroethane	0.68	100	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
1,1,2,2-Tetrachloroethane	~	~	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	~	~	0.004	U	0.0042	U	0.0068	U	0.0043	U	0.24	U	0.0047	U	2.2	U	0.0041	U	0.0044	U	0.0042	U	0.004	U
1,1,2-Trichloroethane	~	~	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloroethane	0.27	19	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloroethene	0.33	100	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,1-Dichloropropene	~	~	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
1,2,3-Trichlorobenzene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,2,3-Trichloropropene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,2,4,5-Tetramethylbenzene	~	~	0.002	U	0.0021	U	0.0034	U	0.0041	J	30		0.0026	J	7.8		0.01		0.0022	U	0.0021	U	0.002	U
1,2,4-Trichlorobenzene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,2,4-Trimethylbenzene	3.6	47	0.002	U	0.0021	U	0.0026	J	0.0035		0.27		0.001	J	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,2-Dibromo-3-Chloropropane	~	~	0.003	U	0.0032	U	0.0051	U	0.0032	U	0.18	U	0.0036	U	1.6	U	0.0031	U	0.0033	U	0.0032	U	0.003	U
1,2-Dibromoethane (Ethylene Dibromide)	~	~	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,2-Dichlorobenzene	1.1	100	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,2-Dichloroethane	0.02	2.3	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,2-Dichloropropene	~	~	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	47	0.002	U	0.0021	U	0.0014	J	0.0014	J	1.8		0.00044	J	1.1	U	0.0016	J	0.0022	U	0.0021	U	0.002	U
1,3-Dichlorobenzene	2.4	17	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,3-Dichloropropene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,4-Dichlorobenzene	1.8	9.8	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
1,4-Diethyl Benzene	~	~	0.002	U	0.0021	U	0.0034	U	0.0011	J	10		0.00032	J	2.2		0.0016	J	0.0022	U	0.0021	U	0.002	U
1,4-Dioxane (P-Dioxane)	0.1	9.8	0.1	U	0.1	U	0.17	U	0.11	U	6	U	0.12	U	54	U	0.1	U	0.11	U	0.1	U	0.1	U
2,2-Dichloropropene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
2-Chlorotoluene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
2-Hexanone	~	~	0.01	U	0.01	U	0.017	U	0.011	U	0.6	U	0.012	U	5.4	U	0.01	U	0.011	U	0.01	U	0.01	U
4-Chlorotoluene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
4-Ethyltoluene	~	~	0.002	U	0.0021	U	0.0017	J	0.0026		12		0.00085	J	0.44	J	0.0012	J	0.0022	U	0.0021	U	0.002	U
Acetone	0.05	100	0.012	U	0.01	U	0.31		0.0059	J	0.6	U	0.012	U	5.4	U	0.017		0.0077	J	0.016	U	0.012	U
Acrolein	~	~	0.025	U	0.026	U	0.042	U	0.027	U	1.5	U	0.03	U	14	U	0.026	U	0.028	U	0.026	U	0.025	U
Acrylonitrile	~	~	0.004	U	0.0042	U	0.0068	U	0.0043	U	0.24	U	0.0047	U	2.2	U	0.0041	U	0.0044	U	0.0042	U	0.004	U
Benzene	0.06	2.9	0.0005	U	0.00053	U	0.00084	U	0.0013		0.35		0.00059	U	0.27	U	0.053		0.00055	U	0.00052	U	0.0011	U
Bromobenzene	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Bromochloromethane	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Bromodichloromethane	~	~	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
Bromoform	~	~	0.004	U	0.0042	U	0.0068	U	0.0043	U	0.24	U	0.0047	U	2.2	U	0.0041	U	0.0044	U	0.0042	U	0.004	U
Bromomethane	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Carbon Disulfide	~	~	0.01	U	0.01	U	0.017	U	0.011	U	0.6	U	0.012	U	5.4	U	0.01	U	0.011	U	0.01	U	0.01	U
Carbon Tetrachloride	0.76	1.4	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
Chlorobenzene	1.1	100	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
Chloroethane	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Chloroform	0.37	10	0.0015	U	0.0016	U	0.0003	J	0.0002	J	0.09	U	0.00023	J	0.81	U	0.0015	U	0.00018	J	0.00016	J	0.00017	J
Chloromethane	~	~	0.004	U	0.0042	U	0.0068	U	0.0043	U	0.24	U	0.0047	U	2.2	U	0.0041	U	0.0044	U	0.0042	U	0.004	U
Cis-1,2-Dichloroethylene	0.25	59	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
Cis-1,3-Dichloropropene	~	~	0.0005	U	0.00053	U	0.00084	U	0.00054	U	0.03	U	0.00059	U	0.27	U	0.00052	U	0.00055	U	0.00052	U	0.00051	U
Cyclohexane	~	~	0.01	U	0.01	U	0.003	J	0.0025	J	15		0.00079	J	26		0.042		0.011	U	0.01	U	0.01	U
Cymene	~	~	0.001	U	0.001	U	0.0017	U	0.0011	U	8.4		0.0012	U	1.2		0.00056	J	0.0011	U	0.001	U	0.001	U
Dibromochloromethane	~	~	0.001	U	0.001	U	0.0017	U	0.0011	U	0.06	U	0.0012	U	0.54	U	0.001	U	0.0011	U	0.001	U	0.001	U
Dibromomethane	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Dichlorodifluoromethane	~	~	0.01	U	0.01	U	0.017	U	0.011	U	0.6	U	0.012	U	5.4	U	0.01	U	0.011	U	0.01	U	0.01	U
Diethyl Ether (Ethyl Ether)	~	~	0.002	U	0.0021	U	0.0034	U	0.0021	U	0.12	U	0.0024	U	1.1	U	0.0021	U	0.0022	U	0.0021	U	0.002	U
Ethylbenzene	1	30	0.001	U	0.001	U	0.00066	J	0.0016		7.8		0.00043	J	0.54	U	0.0007	J	0.0011	U	0.001	U	0.001	U
Hexachlorobutadiene	~	~	0.004	U	0.0042	U	0.0068	U	0.0043	U	0.24	U	0.0047	U	2.2	U	0.0041	U	0.0044	U	0.0042	U	0.004	U
Isopropylbenzene (Cumene)	~	~	0.001																					

Table 2
Preliminary Waste Characterization Report
Grab Soil Sample Analytical Results - VOCs and EPH

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Notes:

1. Grab soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential Soil Cleanup Objectives (SCO) and Protection of Groundwater SCOs.
2. Analytes detected with concentrations above the lower of NYSDEC Part 375 Restricted Use Residential SCOs and Protection of Groundwater SCOs are shaded and bolded.
3. Analytical results with reporting limits (RL) above criteria are italicized.
4. Sample DUP01_GRAB_103018 is a duplicate sample of WC11_6-8.
5. ~ = Regulatory limit for this analyte does not exist
6. bgs = below grade surface
7. mg/kg = milligrams per kilogram
8. NA = Not analyzed
9. BCP = Brownfield Cleanup Program

Qualifiers:

J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 3
Preliminary Waste Characterization Report
Composite Soil Sample Analytical Results - SVOC, TPH, Pest., Herb., PCB, Metals

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location	NYSDEC Part 375 Restricted Use Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	COMP_P1_N COMP_P1_N 9-20 L1844582-30 10/31/2018 9-20	COMP_P1_S 9-23 L1844810-16 11/1/2018 9-23	COMP01 COMP01 0-14 L1844138-02 10/29/2018 0-14	COMP02 COMP02 0-14 L1844138-03 10/29/2018 0-14	COMP0102 COMP0102 14-20 L1844138-01 10/29/2018 14-20	COMP03 COMP03 0-12 L1844354-10 10/30/2018 0-12	COMP04 COMP04 0-12 L1844354-03 10/29/2018 0-12	COMP0304 COMP0304 12-20 L1844354-09 10/30/2018 12-20	COMP05 COMP05 0-13 L1844354-14 10/30/2018 0-13	COMP06 COMP06 0-13 L1844582-01 10/31/2018 0-13	COMP06 UP01_COMP 10311 L1844582-28 10/31/2018 0-13	COMP0506 COMP0506 13-24 L1844582-03 10/31/2018 13-24	COMP07 COMP07 0-14 L1844582-08 10/31/2018 0-14	COMP08 COMP08 0-14 L1844582-31 10/31/2018 0-14	COMP0708 COMP0708 14-24 L1844582-15 10/31/2018 14-24	COMP09 COMP09 0-13 L1844810-10 11/1/2018 0-13	COMP10 COMP10 0-13 L1844810-03 11/1/2018 0-13	COMP0910 COMP0910 13-22 L1844810-17 11/1/2018 13-22		
Semivolatile Organic Compounds (mg/kg)																						
1,2,4,5-Tetrachlorobenzene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.19	U	0.18	U	0.19	U	0.21	U	0.2	U
1,2,4-Trichlorobenzene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
1,2-Dichlorobenzene	1.1	100	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
1,3-Dichlorobenzene	2.4	17	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
1,4-Dichlorobenzene	1.8	9.8	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2,3,4,6-Tetrachlorophenol	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2,4,5-Trichlorophenol	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2,4,6-Trichlorophenol	~	~	0.12	U	0.13	U	0.11	U	0.12	U	0.11	U	0.12	U	0.11	U	0.13	U	0.22	U	0.12	U
2,4-Dichlorophenol	~	~	0.18	U	0.19	U	0.17	U	0.17	U	0.16	U	0.18	U	0.17	U	0.16	U	0.19	U	0.18	U
2,4-Dimethylphenol	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2,4-Dinitrophenol	~	~	0.94	U	1	U	0.91	U	0.92	U	0.93	U	0.99	U	0.93	U	0.88	U	0.88	U	1	U
2,4-Dinitrotoluene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2,6-Dinitrotoluene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2-Chloronaphthalene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2-Chlorophenol	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2-Methylnaphthalene	~	~	1.2	U	0.61	U	0.59	U	0.13	J	0.23	U	0.54	U	0.26	U	0.25	U	0.055	J	0.081	J
2-Methylphenol (o-Cresol)	0.33	100	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2-Nitroaniline	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
2-Nitrophenol	~	~	0.42	U	0.46	U	0.41	U	0.41	U	0.39	U	0.44	U	0.42	U	0.4	U	0.4	U	0.45	U
3 & 4 Methylphenol (m&p Cresol)	~	~	0.28	U	0.31	U	0.099	J	0.042	J	0.28	U	0.28	U	0.26	U	0.26	U	0.3	U	0.54	U
3,3'-Dichlorobenzidine	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
3-Nitroaniline	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4,6-Dinitro-2-Methylphenol	~	~	0.51	U	0.55	U	0.49	U	0.5	U	0.51	U	0.5	U	0.47	U	0.54	U	0.55	U	0.55	U
4-Bromophenyl Phenyl Ether	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4-Chloro-3-Methylphenol	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4-Chloroaniline	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4-Chlorophenyl Phenyl Ether	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4-Nitroaniline	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
4-Nitrophenol	~	~	0.27	U	0.3	U	0.26	U	0.27	U	0.27	U	0.25	U	0.29	U	0.26	U	0.29	U	0.3	U
Acenaphthene	98	100	0.16	U	0.17	U	2.2	U	0.24	U	0.16	U	0.92	U	0.39	U	0.15	U	0.15	U	0.17	U
Acenaphthylene	107	100	0.16	U	0.17	U	1.1	U	0.48	U	0.16	U	0.99	U	0.59	U	0.15	U	0.15	U	0.17	U
Acetophenone	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.19	U	0.19	U	0.18	U	0.19	U	0.18	U	0.21	U
Anthracene	1000	100	0.12	U	0.13	U	5	U	0.81	U	0.12	U	3.1	U	1.8	U	0.12	U	0.11	U	0.11	U
Atrazine	~	~	0.16	U	0.17	U	0.15	U	0.15	U	0.16	U	0.15	U	0.14	U	0.16	U	0.15	U	0.15	U
Azobenzene	~	~	0.2	U	0.21	U	0.19	U	0.19	U	0.18	U	0.2	U	0.19	U	0.18	U	0.21	U	0.2	U
Benzaldehyde	~	~	0.26	U	0.28	U	0.25	U	0.26	U	0.11	J	0.24	U	0.25	U	0.24	U	0.28	U	0.25	U
Benzidine	~	~	0.65	U	0.7	U	0.62	U	0.63	U	0.64	U	0.63	U	0.59	U	0.68	U	0.6	U	0.63	U
Benzo(a)Anthracene	1	1	0.12	U	0.13	U	9	U	1.7	U	0.12	U	4.8	U	0.12	U	0.053	J	0.11	U	0.11	U
Benzo(a)Pyrene	22	1	0.16	U	0.17	U	7.2	U	1.5	U	0.16	U	4	U	2.3	U	0.16	U	0.047	J	0.15	U
Benzo(b)Fluoranthene	1.7	1	0.12	U	0.13	U	10	U	2.1	U	0.12	U	5.2	U	0.12	U	0.076	J	0.11	U	0.11	U
Benzo(g,h,i)Perylene	1000	100	0.16	U	0.17	U	5.2	U	1.2	U	0.16	U	2.4	U	1.3	U	0.16	U	0.059	J	0.15	U
Benzo(k)Fluoranthene	1.7	1	0.12	U	0.13	U	2.8	U	0.68	U	0.12	U	1.5	U	0.95	U	0.12	U	0.11	U	0.11	U
Benzoic Acid	~	~	0.64	U	0.69	U	0.61	U	0.62	U	0.63	U										

Table 3
Preliminary Waste Characterization Report
Composite Soil Sample Analytical Results - SVOC, TPH, Pest., Herb., PCB, Metals

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location	NYSDEC Part 375 Restricted Use Protection of Groundwater SCOs	NYSDEC Part 375 Restricted Use Residential SCOs	COMP_P1_N Sample ID L1844582-30 10/31/2018 9-20	COMP_P1_S Sample ID L1844810-16 11/1/2018 9-23	COMP01 COMP01 0-14 L1844138-02 10/29/2018 0-14	COMP02 COMP02 0-14 L1844138-03 10/29/2018 0-14	COMP0102 COMP0102 14-20 L1844138-01 10/29/2018 14-20	COMP03 COMP03 0-12 L1844354-10 10/30/2018 0-12	COMP04 COMP04 0-12 L1844354-03 10/29/2018 0-12	COMP0304 COMP0304 12-20 L1844354-09 10/30/2018 12-20	COMP05 COMP05 0-13 L1844354-14 10/30/2018 0-13	COMP06 COMP06 0-13 L1844582-01 10/31/2018 0-13	COMP06 UP01_COMP 10311 L1844582-28 10/31/2018 0-13	COMP0506 COMP0506 13-24 L1844582-03 10/31/2018 13-24	COMP07 COMP07 0-14 L1844582-08 10/31/2018 0-14	COMP08 COMP08 0-14 L1844582-31 10/31/2018 0-14	COMP0708 COMP0708 14-24 L1844582-15 10/31/2018 14-24	COMP09 COMP09 0-13 L1844810-10 11/1/2018 0-13	COMP10 COMP10 0-13 L1844810-03 11/1/2018 0-13	COMP0910 COMP0910 13-22 L1844810-17 11/1/2018 13-22	
Pesticides (mg/kg)																					
4,4'-DDD	14	2.6	0.00953 U	0.00204 U	0.0134 U	0.00849	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
4,4'-DDE	17	1.8	0.00953 U	0.00143 J	0.0253 P	0.012	0.00186 U	0.013	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
4,4'-DDT	136	1.7	0.0179 U	0.00382 U	0.126	0.0393 P	0.00349 U	0.0656	0.0032 U	0.00369 U	0.00342 U	0.00318 U	0.00328 U	0.0036 U	0.00331 U	0.00334 U	0.00362 U	0.0036 U	0.00332 U	0.00363 U	
Aldrin	0.19	0.019	0.00953 U	0.00204 U	0.0018 U	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
Alpha BHC (Alpha Hexachlorocyclohexane)	0.02	0.097	0.00397 U	0.000849 U	0.000748 U	0.000768 U	0.000776 U	0.000731 U	0.000711 U	0.00082 U	0.00076 U	0.000707 U	0.000728 U	0.000801 U	0.000736 U	0.000742 U	0.000804 U	0.0008 U	0.000738 U	0.000806 U	
Alpha Chlordane	2.9	0.91	0.0119 U	0.00255 U	0.0227 U	0.00166 J	0.00233 U	0.00219 U	0.00213 U	0.00246 U	0.00228 U	0.00212 U	0.00218 U	0.0024 U	0.00221 U	0.00223 U	0.00241 U	0.0024 U	0.00221 U	0.00242 U	
Alpha Endosulfan	102	4.8	0.00953 U	0.00204 U	0.0018 U	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
Beta Bhc (Beta Hexachlorocyclohexane)	0.09	0.072	0.00953 U	0.00204 U	0.0018 U	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
Beta Endosulfan	102	4.8	0.00953 U	0.00204 U	0.0018 U	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
Chlordane	~	~	0.0775 U	0.0166 U	0.241	0.015 U	0.0151 U	0.0142 U	0.0138 U	0.016 U	0.0148 U	0.0138 U	0.0142 U	0.0156 U	0.0144 U	0.0145 U	0.0157 U	0.0156 U	0.0144 U	0.0157 U	
Delta Bhc (Delta Hexachlorocyclohexane)	0.25	100	0.00953 U	0.00204 U	0.00196	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00202 PI	0.000554 J	0.00193 U	
Dieldrin	0.1	0.039	0.00596 U	0.00127 U	0.00112 U	0.00115 U	0.00116 U	0.0011 U	0.00107 U	0.00123 U	0.00114 U	0.00106 U	0.00109 U	0.0012 U	0.0011 U	0.00111 U	0.00121 U	0.0012 U	0.00111 U	0.00121 U	
Endosulfan Sulfate	1000	4.8	0.00397 U	0.000849 U	0.000748 U	0.000768 U	0.000776 U	0.000731 U	0.000711 U	0.00082 U	0.00076 U	0.000707 U	0.000728 U	0.000801 U	0.000736 U	0.000742 U	0.000804 U	0.0008 U	0.000738 U	0.000806 U	
Endrin	0.06	2.2	0.00397 U	0.000849 U	0.000748 U	0.000768 U	0.000776 U	0.000731 U	0.000711 U	0.00082 U	0.00076 U	0.000707 U	0.000728 U	0.000801 U	0.000736 U	0.000742 U	0.000804 U	0.0008 U	0.000738 U	0.000806 U	
Endrin Aldehyde	~	~	0.0119 U	0.00255 U	0.00224 U	0.0023 U	0.00233 U	0.00219 U	0.00213 U	0.00246 U	0.00228 U	0.00212 U	0.00218 U	0.0024 U	0.00221 U	0.00223 U	0.00241 U	0.0024 U	0.00221 U	0.00242 U	
Endrin Ketone	~	~	0.00953 U	0.00204 U	0.0018 U	0.00184 U	0.00186 U	0.00175 U	0.0017 U	0.00197 U	0.00182 U	0.0017 U	0.00175 U	0.00192 U	0.00177 U	0.00178 U	0.00193 U	0.00192 U	0.00177 U	0.00193 U	
Gamma Bhc (Lindane)	0.1	0.28	0.00397 U	0.000849 U	0.000748 U	0.000768 U	0.000776 U	0.000731 U	0.000711 U	0.00082 U	0.00076 U	0.000707 U	0.000728 U	0.000801 U	0.000736 U	0.000742 U	0.000804 U	0.0008 U	0.000738 U	0.000806 U	
Gamma Chlordane	~	~	0.0119 U	0.00255 U	0.0254 P	0.0023 U	0.00233 U	0.00219 U	0.00213 U	0.00246 U	0.00228 U	0.00212 U	0.00218 U	0.0024 U	0.00221 U	0.00223 U	0.00241 U	0.0024 U	0.00221 U	0.00242 U	
Heptachlor	0.38	0.42	0.00477 U	0.00102 U	0.00747	0.000922 U	0.000931 U	0.000877 U	0.000853 U	0.000984 U	0.000912 U	0.000848 U	0.000873 U	0.000961 U	0.000883 U	0.000891 U	0.000965 U	0.00096 U	0.000885 U	0.000967 U	
Heptachlor Epoxide	~	~	0.0179 U	0.00382 U	0.00143 JPI	0.00346 U	0.00349 U	0.00329 U	0.0032 U	0.00369 U	0.00342 U	0.00318 U	0.00328 U	0.0036 U	0.00331 U	0.00334 U	0.00362 U	0.00532 PI	0.0027 J	0.00363 U	
Methoxychlor	~	~	0.0179 U	0.00382 U	0.00337 U	0.00346 U	0.00349 U	0.00329 U	0.0032 U	0.00369 U	0.00342 U	0.00318 U	0.00328 U	0.0036 U	0.00331 U	0.00334 U	0.00362 U	0.0036 U	0.00332 U	0.00363 U	
Toxaphene	~	~	0.179 U	0.0382 U	0.0337 U	0.0346 U	0.0349 U	0.0329 U	0.032 U	0.0369 U	0.0342 U	0.0318 U	0.0328 U	0.036 U	0.0331 U	0.0334 U	0.0362 U	0.036 U	0.0332 U	0.0363 U	
Herbicides (mg/kg)																					
2,4,5-T (Trichlorophenoxyacetic Acid)	~	~	0.2 U	0.213 U	0.188 U	0.188 U	0.192 U	0.194 U	0.185 U	0.208 U	0.198 U	0.182 U	0.182 U	0.211 U	0.188 U	0.192 U	0.208 U	0.209 U	0.193 U	0.198 U	
2,4-D (Dichlorophenoxyacetic Acid)	~	~	0.2 U	0.213 U	0.188 U	0.188 U	0.192 U	0.194 U	0.185 U	0.208 U	0.198 U	0.182 U	0.182 U	0.211 U	0.188 U	0.192 U	0.208 U	0.209 U	0.193 U	0.198 U	
Silvex (2,4,5-Tp)	3.8	58	0.2 U	0.213 U	0.188 U	0.188 U	0.192 U	0.194 U	0.185 U	0.208 U	0.198 U	0.182 U	0.182 U	0.211 U	0.188 U	0.192 U	0.208 U	0.209 U	0.193 U	0.198 U	
Polychlorinated Biphenyls (mg/kg)																					
PCB-1016 (Aroclor 1016)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1221 (Aroclor 1221)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1232 (Aroclor 1232)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1242 (Aroclor 1242)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1248 (Aroclor 1248)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.0233 J	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1254 (Aroclor 1254)	~	~	0.00486 J	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.00893 J	0.00786 J	0.0412 U	0.0388 U	0.0351 U	0.00415 J	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1260 (Aroclor 1260)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1262 (Aroclor 1262)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U	0.0384 U	0.0402 U	
PCB-1268 (Aroclor 1268)	~	~	0.0385 U	0.0412 U	0.0374 U	0.0379 U	0.0391 U	0.0368 U	0.037 U	0.0412 U	0.0388 U	0.0351 U	0.0363 U	0.0402 U	0.0373 U	0.0386 U	0.0418 U	0.0416 U			

Table 3
Preliminary Waste Characterization Report
Composite Soil Sample Analytical Results - SVOC, TPH, Pest., Herb., PCB, Metals

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Notes:

1. Composite soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use Residential Soil Cleanup Objectives (SCO) and Protection of Groundwater SCOs.
2. Analytes detected with concentrations above the lower of NYSDEC Part 375 Restricted Use Residential SCOs and Protection of Groundwater SCOs are shaded and bolded.
3. Analytical results with reporting limits (RL) above criteria are italicized.
4. Sample DUP01_COMP_103118 is a duplicate sample of COMP06_0-13.
5. ~ = Regulatory limit for this analyte does not exist
6. bgs = below grade surface
7. mg/kg = milligrams per kilogram
8. NA = Not analyzed
9. ND = Not detected
10. BCP = Brownfield Cleanup Program
11. Pest. = Pesticides
12. Herb. = Herbicides
13. SVOC = Semivolatile Organic Compounds
14. PCB = Polychlorinated biphenyls

Qualifiers:

- I = The lower value for the two columns has been reported due to obvious interference.
- J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
- P = The relative percent difference (RPD) between the results for the two columns exceeds the method-specified criteria.
- U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 4
Preliminary Waste Characterizatio Report
Grab and Composite Soil Sample Analytical Results - TCLP, RCRA, and Paint Filter

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location		WC14	WC18	COMP P1 N	COMP P1 S	COMP01	COMP02	COMP0102	COMP03	COMP04	COMP0304	COMP05	COMP06	COMP06	COMP0506	COMP07	COMP08	COMP0708	COMP09	COMP10	COMP0910
Sample ID	USEPA RCRA	WC14 14-16	WC18 16-18	COMP P1 N 9-20	COMP P1 S 9-23	COMP01 0-14	COMP02 0-14	COMP0102 14-20	COMP03 0-12	COMP04 0-12	COMP0304 12-20	COMP05 0-13	COMP06 0-13	DUP01 COMP 103118	COMP0506 13-24	COMP07 0-14	COMP08 0-14	COMP0708 14-24	COMP09 0-13	COMP10 0-13	COMP0910 13-22
Laboratory ID	TCLP	L1844582-27	L1844810-23	L1844582-30	L1844810-16	L1844138-02	L1844138-03	L1844138-01	L1844354-10	L1844354-03	L1844354-09	L1844354-14	L1844582-01	L1844582-28	L1844582-03	L1844582-08	L1844582-31	L1844582-15	L1844810-10	L1844810-03	L1844810-17
Sample Date		10/31/2018	11/1/2018	10/31/2018	11/1/2018	10/29/2018	10/29/2018	10/29/2018	10/30/2018	10/29/2018	10/30/2018	10/30/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	10/31/2018	11/1/2018	11/1/2018	11/1/2018
Depth Range (feet bgs)		14-16	16-18	9-20	9-23	0-14	0-14	14-20	0-12	0-12	12-20	0-13	0-13	0-13	13-24	0-14	0-14	14-24	0-13	0-13	13-22
Volatile Organic Compounds (mg/L)																					
1,1-Dichloroethene	0.7	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Dichloroethane	0.5	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dichlorobenzene	7.5	0.1 U	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzene	0.5	0.024	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbon Tetrachloride	0.5	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlorobenzene	100	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chloroform	6	0.03 U	0.005 J	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methyl Ethyl Ketone (2-Butanone)	200	0.2 U	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Tetrachloroethene (PCE)	0.7	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Trichloroethene (TCE)	0.5	0.02 U	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Vinyl Chloride	0.2	0.04 U	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Semivolatile Organic Compounds (mg/L)																					
2,4,5-Trichlorophenol	400	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
2,4,6-Trichlorophenol	2	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
2,4-Dinitrotoluene	0.13	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
2-Methylphenol (o-Cresol)	200	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
3 & 4 Methylphenol (m&p Cresol)	~	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
Hexachlorobenzene	0.13	NA	NA	0.01 U	0.01 U	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Hexachlorobutadiene	0.5	NA	NA	0.01 U	0.01 U	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Hexachloroethane	3	NA	NA	0.01 U	0.01 U	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Nitrobenzene	2	NA	NA	0.01 U	0.01 U	NA	NA	0.01 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.01 U	NA	NA
Pentachlorophenol	100	NA	NA	0.05 U	0.05 U	NA	NA	0.05 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.05 U	NA	NA
Pyridine	5	NA	NA	0.018 U	0.018 U	NA	NA	0.018 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.018 U	NA	NA
Pesticides (mg/L)																					
Chlordane	0.03	NA	NA	0.001 U	0.001 U	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Endrin	0.02	NA	NA	0.0002 U	0.0002 U	NA	NA	0.0002 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0002 U	NA	NA
Gamma Bhc (Lindane)	0.4	NA	NA	0.0001 U	0.0001 U	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA
Heptachlor	0.008	NA	NA	0.0001 U	0.0001 U	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA
Heptachlor Epoxide	0.008	NA	NA	0.0001 U	0.0001 U	NA	NA	0.0001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.0001 U	NA	NA
Methoxychlor	10	NA	NA	0.001 U	0.001 U	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Toxaphene	0.5	NA	NA	0.001 U	0.001 U	NA	NA	0.001 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.001 U	NA	NA
Herbicides (mg/L)																					
2,4-D (Dichlorophenoxyacetic Acid)	10	NA	NA	0.025 U	0.025 U	NA	NA	0.025 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.025 U	NA	NA
Silvex (2,4,5-Tp)	1	NA	NA	0.005 U	0.005 U	NA	NA	0.005 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.005 U	NA	NA
Inorganics (mg/L)																					
Arsenic	5	NA	NA	1 U	1 U	1 U	1 U	0.035 J	1 U	1 U	0.022 J	1 U	1 U	1 U	1 U	1 U	1 U	0.027 J	1 U	1 U	1 U
Barium	100	NA	NA	0.396 J	0.461 J	0.483 J	0.572	0.603	0.604	0.734	0.296 J	0.459 J	0.597	0.625	0.232 J	0.352 J	0.395 J	0.185 J	0.795	0.656	0.137 J
Cadmium	1	NA	NA	0.1 U	0.1 U	0.015 J	0.1 U	0.012 J	0.1 U	0.1 U	0.013 J	0.013 J	0.1 U	0.1 U	0.1 U	0.012 J	0.015 J	0.1 U	0.037 J	0.029 J	0.1 U
Chromium, Total	5	NA	NA	0.2 U	0.2 U	0.2 U	0.2 U	0.044 J	0.023 J	0.2 U	0.033 J	0.032 J	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.038 J	0.021 J	0.2 U
Lead	5	NA	NA	0.082 J	0.177 J	4.8	1.52	0.116 J	0.103 J	0.027 J	0.5 U	7.14	0.5 U	0.107 J	0.5 U	3.79	1.55	0.5 U	20.3	9.94	0.5 U
Mercury	0.2	NA	NA	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.0005 J	0.0004 J	0.0005 J	0.0004 J	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U
Selenium	1	NA	NA	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U
Silver	5	NA	NA	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
RCRA Characteristics and Paint Filter																					
Hydrogen Cation (pH Units)	<2 or >12.5	NA	NA	7.6	8.3	NA	NA	7.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3	NA	NA
Ignitability	IGNITABLE	NA	NA	NI	NI	NA	NA	NI	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NI	NA	NA
Paint Filter Test	POSITIVE	NA	NA	NEGATIVE	NEGATIVE	NA	NA	NEGATIVE	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	POSITIVE	NA	NA
Reactive Cyanide (mg/kg)	~	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA
Sulfide Reactive (mg/kg)	~	NA	NA	10 U	10 U	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10 U	NA	NA

- Notes:**
- Grab and composite soil sample analytical results are compared to the 6 New York Codes, Rules and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
 - Analytes detected with concentrations above RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic are shaded and bolded.
 - Sample DUP01_COMP_103118 is a duplicate sample of COMP06_0-13.
 - ~ = Criterion does not exist
 - mg/L = milligrams per liter
 - mg/kg = milligrams per kilogram
 - NA = Not Analyzed
 - bgs = below grade surface
 - TCLP = Toxicity Characteristic Leaching Procedure
 - NI = Not Ignitable
 - BCP = Brownfield Cleanup Program

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 5
Preliminary Waste Characterization Report
Grab Sample Analytical Results - TCLP and Total Lead

561 Greenwich Street
New York, New York
BCP Site No.: C231129
Langan Project No.: 190043701

Location Sample ID Laboratory ID Sample Date Depth Range (feet bgs)	Lower of NYSDEC Part 375 Restricted Use Protection of Groundwater and Residential SCOs	USEPA RCRA TCLP	WC09 WC09_2-4 L1844354-17 10/30/2018 2-4	WC09 WC09_4-6 L1844354-18 10/30/2018 4-6	WC09 WC09_6-8 L1844354-19 10/30/2018 6-8	WC10 WC10_4-6 L1844354-15 10/30/2018 4-6	WC10 WC10_6-8 L1844354-16 10/30/2018 6-8	WC14 WC14_14-16 L1844582-27 10/31/2018 14-16	WC17 WC17_1-3 L1900622-08 11/1/2018 1-3	WC17 WC17_5-6 L1900622-09 11/1/2018 5-6
Inorganics (mg/L) - TCLP										
Lead	~	5	21.2	6.98	0.045 J	1.73	6.39	NA	20.7	65
Inorganics (mg/kg)										
Lead	400	~	780	354	296	388	441	NA	2,000	1,760

Location Sample ID Laboratory ID Sample Date Depth Range (feet bgs)	Lower of NYSDEC Part 375 Restricted Use Protection of Groundwater and Residential SCOs	USEPA RCRA TCLP	WC17 WC17_6-8 L1900622-10 11/1/2018 6-8	WC18 WC18_16-18 L1844810-23 11/1/2018 16-18	WC18 WC18_6-8 L1900622-06 11/1/2018 6-8	WC18 WC18_8-10 L1900622-07 11/1/2018 8-10	WC19 WC19_1-3 L1900622-03 11/1/2018 1-3	WC19 WC19_4-6 L1900622-04 11/1/2018 4-6	WC19 WC19_6-8 L1900622-05 11/1/2018 6-8	WC20 WC20_1-3 L1900622-01 11/1/2018 1-3	WC20 WC20_6-8 L1900622-02 11/1/2018 6-8
Inorganics (mg/L) - TCLP											
Lead	~	5	13.4	NA	0.359 J	0.091 J	12.4	8.92	0.228 J	33.8	5.39
Inorganics (mg/kg)											
Lead	400	~	2,280	NA	133	175	1,240	1,200	817	1,890	604

- Notes:**
1. Soil sample analytical results are compared to the lower of New York State Department of Environmental Conservation (NYSDEC) Title 6 of the Official Compilation of New York Codes, Rules, and Regulations (NYCRR) Part 375 Restricted Use - Protection of Groundwater and Restricted Use - Residential Soil Cleanup Objectives (SCO) and to the 6 New York Codes, Rules, and Regulations (NYCRR) Part 371.3 and 40 CFR 261 Subpart C and Table 1 of 40 CFR 261.24 - Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Characteristics of Hazardous Waste.
 2. Analytes detected with concentrations above the lower of Restricted Use - Protection of Groundwater and Restricted Use - Residential SCOs are bolded.
 3. Analytes detected with concentrations above the RCRA Maximum Concentration of Contaminants for the Toxicity Characteristic are shaded.
 4. Analytical results with reporting limits (RL) above the regulatory comparison criteria are italicized.
 5. ~ = Regulatory limit for this analyte does not exist
 6. bgs = below grade surface
 7. mg/kg = milligrams per kilogram
 8. mg/L = milligrams per liter
 9. NA = Not analyzed
 10. TCLP = Toxicity Characteristic Leaching Procedure

Qualifiers:
J = The analyte was detected above the Method Detection Limit (MDL), but below the Reporting Limit (RL); therefore, the result is an estimated concentration.
U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

Table 6

Preliminary Waste Characterization Report

Groundwater Sample Analytical Results - NYCDEP Discharge

561 Greenwich Avenue

New York, New York

BCP Site No.: C231129

Langan Project No.: 190043701

Location Sample ID Laboratory ID Sample Date	NYCDEP Limitations for Effluent to Sanitary or Combined Sewers - Daily	MW02 MW02_110618 L1845469-01 11/6/2018
Volatile Organic Compounds (µg/L)		
1,1,1-Trichloroethane	~	200 U
1,4-Dichlorobenzene	~	500 U
Benzene	134	11,000
Carbon Tetrachloride	~	100 U
Chloroform	~	100 U
Ethylbenzene	380	1,000
M,P-Xylene	~	5,400
o-Xylene (1,2-Dimethylbenzene)	~	2,800
Tert-Butyl Methyl Ether	50	1000 U
Tetrachloroethene (PCE)	20	100 U
Toluene	74	16,000
Total Xylenes	74	8,200
Semivolatile Organic Compounds (µg/L)		
1,2,4-Trichlorobenzene	~	5 U
Naphthalene	47	290
Phenol	~	14
Total Petroleum Hydrocarbons (µg/L)		
Total Petroleum Hydrocarbons - Non-Polar Material	~	4000 U
Polychlorinated Biphenyls (µg/L)		
PCB-1016 (Aroclor 1016)	~	0.05 U
PCB-1221 (Aroclor 1221)	~	0.05 U
PCB-1232 (Aroclor 1232)	~	0.05 U
PCB-1242 (Aroclor 1242)	~	0.05 U
PCB-1248 (Aroclor 1248)	~	0.05 U
PCB-1254 (Aroclor 1254)	~	0.05 U
PCB-1260 (Aroclor 1260)	~	0.05 U
Inorganics (µg/L)		
Cadmium	690	5 U
Chromium, Hexavalent	5000	10 U
Copper	5000	10 U
Lead	2000	24
Mercury	50	0.2 U
Nickel	3000	25 U
Nitrogen	~	8,600
Zinc	5000	50 U
General Chemistry (µg/L)		
Biologic Oxygen Demand, Five Day	~	46,000
Chloride (As Cl)	~	730,000
Flashpoint (°F)	<140	>150
Hydrogen Cation (pH units)	~	7
Nitrogen, Kjeldahl, Total	~	8,560
Nitrogen, Nitrate-Nitrite	~	100 U
Total Solids	~	2,100,000
Total Suspended Solids	350000	14,000

- Notes:**
1. Groundwater sample results are compared to New York City Department of Environmental Protection (NYCDEP) Table A - Limitations for Effluent to Sanitary or Combined Sewers.
2. Concentrations that exceed the NYCDEP limitations are highlighted and in bold.
3. VOC = volatile organic compound
4. SVOC = semivolatile organic compound
5. PCB = polychlorinated biphenyl
6. µg/L = micrograms per liter
7. CBOD = carbonaceous biological oxygen demand
8. deg F = degrees Fahrenheit
9. ~ = Criterion does not exist in NYCDEP Limitations
10. BCP = Brownfield Cleanup Program

Qualifiers:

U = The analyte was analyzed for, but was not detected at a level greater than or equal to the RL; the value shown in the table is the RL.

ATTACHMENT 1
PREVIOUS REPORTS

ATTACHMENT 2
SOIL BORING LOGS

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 12 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	12
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Tim Kelly
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+12.0	R1a (0-10") Black ASPHALT	0					0.0	
	+11.2	R1b (10-37") Tan fine SAND, some red gravel, with asphalt (dry) [FILL]	1					0.0	
			2	R1	MACROCORE	37/48		0.0	
			3					0.0	
			4					0.0	
		R2 (0-35") Purplish-gray fine SAND, some red gravel, with asphalt (dry) [FILL]	5					0.0	
			6	R2	MACROCORE	35/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-15") Purplish-gray fine SAND, trace red gravel, trace fine gravel, with asphalt [FILL] (dry)	9					0.0	
	+2.6	R3b (15-40") Reddish-brown to tan fine SAND, some silt, trace clay (moist to wet)	10					0.0	
			11	R3	MACROCORE	46/48		0.0	
			12					0.0	
		R3c (40-46") Gray fine SAND, some silt (wet)	13					0.0	
	-0.8	R4a (0-9") Light brown fine SAND, some silt (wet)	14					0.0	
		R4b (9-24") Dark gray SILT, some clay (wet)	15					0.0	
			16	R4	MACROCORE	48/48		0.0	
		R4c (24-36") Gray to tan SILT, trace clay, trace fine sand (wet)	17					0.0	
	-3.0		18					0.0	
		R4d (36-48") Purplish-gray medium to fine SAND, trace fine gravel	19					0.0	
	-5.2		20					0.0	
	-5.4	R5a (0-3") Reddish-brown SILT (wet)						4.0	
		R5b (3-34") Reddish-brown coarse SAND, trace fine sand		R5	MACROCORE	34/48		68.2	Sample collected WC01_18-19
								994	Petroleum-like odors
								1532	End of boring. Backfilled to grade with clean sand and capped with asphalt
								13.5	
	-8.0							0.5	

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Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 13 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	13
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Tim Kelly
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+13.0	R1a (0-10") Black ASPHALT, trace fine sand	0					0.0	
	+12.2	R1b (10-35") Red GRAVEL, some fine gravel, trace fine sand, with asphalt (dry) [FILL]	1					0.0	
			2	R1	MACROCORE	40/48		0.0	
			3					0.0	
		R1a (35-40") Tan to purplish-brown fine SAND, trace red gravel, trace coarse sand (dry) [FILL]	4					0.0	
			5					0.0	
		R2 (0-32") Red GRAVEL, some purplish-tan fine sand, trace fine gravel (dry) [FILL]	6	R2	MACROCORE	32/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-14") Red GRAVEL, some purplish-tan fine sand, some fine gravel, with asphalt (dry) [FILL]	9					0.0	
			10	R3	MACROCORE	36/48		0.0	
		R3b (14-24") Purplish-light brown fine SAND, trace silt, trace fine gravel, trace shale (dry) [FILL]	11					0.0	
		R3c (24-36") Dark brown to black SILT, some fine sand (moist)	12					0.0	
		R4a (0-13") Red gravelly purplish-brown fine SAND, some silt, with concrete (dry) [FILL]	13					0.0	
	-0.1	R4b (13-48") Tan to gray CLAY, trace silt (wet)	14	R4	MACROCORE	48/48		0.0	
			15					0.0	
			16					0.0	
	-3.0	R5a (0-12") Purplish fine SAND, some silt, trace red gravel, with concrete (wet)	17					0.0	
	-4.0	R5b (12-36") Gray to reddish-brown silty CLAY, some fine sand (wet)	18	R5	MACROCORE	48/48		0.0	
			19					0.0	
	-6.0	R5c (36-48") Reddish-brown poorly graded coarse SAND, trace fine gravel (wet)	20					0.0	
	-7.0							0.0	

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Sample collected
WC02_10-12

Rust in center of clay

End of boring. Backfilled to
grade with clean sand and
capped with asphalt

Project					Project No.							
561 Greenwich					190043701							
Location					Elevation and Datum							
New York, NY					Approx. EI 13 (NAVD88)							
Drilling Company					Date Started		Date Finished					
AARCO Environmental Services Corp.					10/29/18		10/29/18					
Drilling Equipment					Completion Depth		Rock Depth					
Geoprobe 7822DT					20 ft							
Size and Type of Bit					Number of Samples		Disturbed		Undisturbed	Core		
4' Macrocore 2 1/4" Diameter					5		N/A		N/A			
Casing Diameter (in)				Casing Depth (ft)		Water Level (ft.)		First		Completion	24 HR.	
N/A				N/A		▽ 12.5		▼ N/A		▼ N/A		
Casing Hammer			Weight (lbs)		Drop (in)		Drilling Foreman					
N/A			N/A		N/A		Tim Kelly					
Sampler					Field Engineer							
2-inch diameter acetate liner					Dina Palazzolo							
Sampler Hammer			Weight (lbs)		Drop (in)							
N/A			N/A		N/A							
MATERIAL SYMBOL	Elev. (ft)	Sample Description			Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
						Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)		
	+13.0	R1a (0-11") Black ASPHALT			0	R1	MACROCORE	26/48		0.0	Organic-like odor	
	+12.1	R1b (11-26") Red GRAVEL, trace fine sand (dry) [FILL]			1					0.0		
					2					0.0		
					3					0.0		
		R2 (0-30") Red GRAVEL, some tan fine sand (dry) [FILL]			4	R2	MACROCORE	30/48		0.0		
					5					0.0		
					6					0.0		
					7					0.0		
					8					0.0		
					9					0.0		
					10					0.0		
					11					0.0		
		R3a (0-16") Red GRAVEL, some purplish-tan fine sand, trace fine gravel (dry) [FILL] R3b (16-18") Brown angular fine GRAVEL [FILL] (dry) R3c (18-23") Light purplish-gray fine GRAVEL, some fine sand (dry) [FILL] R3d (23-27") Purplish-brown fine SAND, some coarse sand (dry) [FILL] R3e (27-33") Reddish-brown SILT, some coarse sand, some fine sand (dry) [FILL] R3f (33-40") Reddish-brown fine SAND, some coarse sand, trace gravel (moist) [FILL]			12	R3	MACROCORE	40/48		0.0		
	+0.4				13					0.0		
					14					0.0		
					15					0.0		
					16					0.0		
					17					0.0		
		R4a (0-7") Reddish-brown fine SAND, some red gravel, trace fine gravel, trace coarse sand (moist to wet) [FILL] R4b (7-15") Reddish-brown find sandy SILT, some coarse sand (wet) R4c (15-38") Black clayey SILT, organics (wet) R4d (38-48") Gray CLAY (wet)			18	R4	MACROCORE	48/48		0.0		
	-2.2				19					0.0		
					20					0.0		
					21					0.0		
	-3.8	R5a (0-5") Gray fine SAND, trace red gravel (wet) R5b (5-39") Gray to purplish-gray CLAY, some fine sand (wet)			22	R5	MACROCORE	39/48		0.0		
	-4.2				23					0.0		
					24					0.0		Sample collected WC03_18-20 End of boring. Backfilled to grade with clean sand and capped with asphalt
					25					0.0		
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Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 13.5 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	14
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Drilling Foreman	Tim Kelly		
Field Engineer	Dina Palazzolo		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
	+13.5	R1a (0-10") Black ASPHALT	0					0.0	
	+12.7	R1b (10-25") Tan to red fine SAND, some red gravel, trace silt (dry) [FILL]	1					0.0	
		R1c (25-37") Tan fine SAND, trace silt, trace red gravel (dry) [FILL]	2	R1	MACROCORE	37/48		0.0	
			3					0.0	
			4					0.0	
		R2 (0-25") Red to tan fine sandy GRAVEL (dry) [FILL]	5					0.0	
			6	R2	MACROCORE	35/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-7") Purplish tan fine SAND, trace gravel, with asphalt (dry) [FILL]	9					0.0	
	+2.6	R3b (7-13") Red GRAVEL and ASPHALT (dry) [FILL]	10	R3	MACROCORE	46/48		0.0	
		R3c (13-26") Tan to purple fine SAND, trace gravel, trace silt (dry)	11					0.0	
			12					0.0	
		R4a (0-10") Tan to purple fine SAND, some red gravel, trace asphalt (dry)	13					0.0	
		R4b (10-30") Reddish brown fine SAND, some silt (moist to wet)	14	R4	MACROCORE	48/48		0.0	
			15					0.0	
		R4c (30-35") Purplish tan fine SAND, trace silt (dry)	16					0.0	
			17					0.0	
	-4.4	R5a (0-12") Reddish brown fine SAND, poorly sorted, some silt, trace coarse sand (wet)	18	R5	MACROCORE	34/48		0.0	
		R5b (12-33") Gray CLAY, some fine sand (wet)	19					0.0	
	-6.2		20					0.0	
	-6.5	R5c (33-37") Gray fine SAND (wet)						0.0	

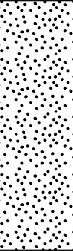
Sample collected WC04_6-8

End of boring. Backfilled with clean sand and capped with asphalt

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 12.5 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/30/19
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/30/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 10
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Adam Hutchinson
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+12.5	R1a (0-20") Whitish-gray GRAVEL (dry) [FILL]	0					0.0	
			1					0.0	
		R1b (20-26") Loose reddish-brown fine SAND, red medium gravel (moist) [FILL]	2	R1	MACROCORE	26/48		0.2	
			3					0.3	
			4						
		R2a (0-21") Loose reddish-brown fine SAND, trace medium sand, trace red medium gravel, with wood (moist) [FILL]	5	R2	MACROCORE	24/48			
			6						
		R2b (21-24") Loose grayish brown fine SAND, some medium sand, trace fine gravel (moist) [FILL]	7					0.0	
			8					0.2	
			9					0.5	
	+3.1	R3a (0-16") Reddish brown to purplish gray fine SAND, trace red fine gravel, some medium sand (moist) [FILL]	10					0.0	Coal-like material
	+2.9	R3b (16-18") Gray GRAVEL	11					0.1	
	+2.1	R3c (18-28") Brown fine SAND, trace silt (moist to wet)	12	R3	MACROCORE	47/48		0.0	
			13					0.0	
		R3d (28-34") Gray SILT, trace clay (wet)	14					0.2	
		R3e (34-47") Dark brown to black SILT, lenticular peat lenses (wet)	15					0.2	
	+0.2	R4a (0-4") Brown SILT, some clay, trace fine sand (wet)	16					0.0	
		R4b (4-11") Dark gray CLAY, some silt (wet)	17					0.0	
		R4c (11-15") Black lenticular PEAT lenses (moist)	18					0.0	Sample collected WC05_12-14
		R4d (15-26") Dark gray to black CLAY, some silt (moist)	19					0.0	
	-1.7	R4e (26-48") Gray SILT, trace clay (wet)	20	R4	MACROCORE	48/48		0.1	
			21					0.0	
			22					0.2	
			23					0.0	
			24						
			25						
			26						
			27						
			28						
			29						
	-4.2	R5a (0-8") Brown SILT, some clay, some fine gravel (wet)	30						
			31						
		R5b (8-20") Gray to brown fine SAND, some silt, trace fine gravel (wet)	32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
		R5c (20-48") Brown medium to fine SAND, trace coarse sand (wet)	40	R5	MACROCORE	48/48		24.8	Petroleum-like odor to 21ft
			41					26.9	
			42					79.2	
			43					248	
			44						Sample collected WC05_19-20
			45						
			46						
			47						
			48						
			49						

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Project 561 Greenwich		Project No. 190043701							
Location New York, NY		Elevation and Datum Approx. El 12.5 (NAVD88)							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in		PID Reading (ppm)
	-7.5	R6 (0-48") Brown to black medium fine SAND, trace coarse sand, trace silt (wet)	20	R6	MACROCORE	48/48		111	Staining Permanent well constructed, well screen set from 10-20ft. Finished with a J-plug and manhole cover. End of boring
			21					44.7	
		22	145						
		23	163						
		24	97.2						
		25	38						
		26	5.1						
		27	2.8						
		28	0.9						
	-11.5		29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 13 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	N/A
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Tim Kelly
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist	PID Reading (ppm)	
	+13.0	R1a (0-11") ASPHALT	0						
	+12.1	R1b (11-29") Red GRAVEL, trace fine sand, trace concrete (dry) [FILL]	1					0.0	
			2	R1	MACROCORE	29/48		0.0	
			3					0.0	
			4					0.0	
		R2 (0-37") Red GRAVEL, some medium to fine sand (dry) [FILL]	5						
			6	R2	MACROCORE	37/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-26") Reddish-brown medium to fine SAND, some red fine gravel, some medium white gravel, poorly sorted, trace black fine gravel (dry) [FILL]	9					0.0	
			10	R3	MACROCORE	40/48		0.0	Sample collected WC06_8-10
	+2.2	R3b (26-32") Reddish-brown fine SAND, some coarse sand (moist)	11					0.0	
		R3c (32-40") Gray fine SAND (moist)	12					0.0	
			13						
	-1.0	R4a (0-10") Black to gray SILT, some fine sand, trace organics (moist)	14					0.0	
	-1.8	R4b (10-24") Gray silty fine SAND, trace organics (moist)	15	R4	MACROCORE	24/48		0.0	Organic-like odor
			16					0.0	
			17						
		R5 (0-28") Gray to reddish-brown silty fine SAND, trace organics (moist)	18	R5	MACROCORE	28/48			
			19					0.0	
	-7.0		20					0.0	End of boring. Backfilled with clean sand and capped with asphalt

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Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 13.5 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 11.8
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Tim Kelly
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+13.5	R1a (0-10") Black ASPHALT	0						
	+12.7	R1b (10-20") Black medium to fine SAND, some gray fine gravel (dry) [FILL]	1					0.0	
		R1c (20-30") Red GRAVEL, trace gray fine sand (dry) [FILL]	2	R1	MACROCORE	30/48		0.0	
			3						
			4						
			5						
		R2 (0-15") Red GRAVEL, trace tan fine sand (dry) [FILL]	6	R2	MACROCORE	15/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-10") Gray GRAVEL, trace red gravel (dry) [FILL]	9					0.0	
		R3b (10-22") Brown fine SAND, trace gravel, trace red gravel (dry) [FILL]	10	R3	MACROCORE	45/48		0.0	
	+3.4	R3c (22-45") Purplish fine SAND, trace fine gravel, some coarse sand (moist to wet)	11					0.0	
			12					4.5	
			13					35.5	Sample collected WC07_11-12
		R4a (0-14") Purplish-tan fine SAND, some red gravel, trace coarse sand (wet)	14	R4	MACROCORE	48/48		58.6	Petroleum-like odor
	+0.3	R4b (14-34") Dark gray SILT, some fine sand, some clay, some red gravel (wet)	15					0.0	
			16					0.0	
		R4c (34-48") Gray SILT, some fine sand (wet)	17	R5	MACROCORE	44/48		0.0	
	-2.8	R5a (0-31") Purplish-tan medium to fine SAND, some red gravel, trace dark gray fine gravel (wet)	18					0.0	
			19					0.0	
	-5.4	R5b (31-44") Dark brown SILT, some fine sand, lenticular peat lenses (wet)	20					0.0	Organic-like odor
	-6.5							0.0	End of boring. Backfilled with clean sand and capped with asphalt

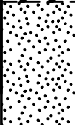
Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 13.5 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/29/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/29/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 12.5
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Tim Kelly
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+13.5	R1a (0-6") Black ASPHALT	0						
	+13.0	R1b (6-13") Brown medium to fine SAND, some coarse sand, some fine gravel, with asphalt (dry) [FILL]	1					0.0	
		R1c (13-20") Gray fine GRAVEL, some coarse sand, with asphalt (dry) [FILL]	2	R1	MACROCORE	36/48		0.0	
		R1d (20-36") Red GRAVEL, trace fine sand (dry) [FILL]	3					0.0	
			4					0.0	
			5					0.0	
		R2 (0-22") Purplish-tan medium to fine SAND, some red gravel, trace fine gravel (dry) [FILL]	6	R2	MACROCORE	22/48		0.0	
			7					0.0	
			8					0.0	
		R3a (0-12") Red GRAVEL, some gray shale, trace fine sand (dry) [FILL]	9					0.0	
		R3b (12-26") Purplish-gray fine GRAVEL, some fine sand, rounded, trace red gravel (dry) [FILL]	10	R3	MACROCORE	35/48		0.0	
			11					0.0	
		R3c (26-36") Brown fine SAND, some fine gravel, trace silt, trace red gravel (dry) [FILL]	12					0.0	
			13					0.0	
			14	R4	MACROCORE	37/48		0.0	
	-0.4	R4a (0-15") Reddish-brown fine SAND, trace coarse sand, trace silt (wet)	15					0.0	
	-1.5	R4b (15-25") Gray fine SAND, some silt, trace organics (wet)	16					0.0	
	-1.8	R4c (25-29") Gray to brown WOOD (wet)	17					0.0	
		R4d (29-37") Dark brown SILT, trace fine sand, lenticular peat lenses	18					0.0	
			19					0.0	
	-4.0	R5a (0-5") Purplish gray medium to fine SAND, some red gravel (wet)	20	R5	MACROCORE	30/48		0.0	
	-4.4	R5b (5-25") Gray SILT (wet)						0.0	
								0.0	
	-6.1	R5c (25-30") Gray fine silty SAND (wet)						0.0	
	-6.5							0.0	

End of boring. Backfilled with clean sand and capped with asphalt

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/30/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/30/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	First	9
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Adam Hutchinson
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL6/in	PID Reading (ppm)	
	+11.0	R1a (0-9") CONCRETE	0	R1	MACROCORE	31/48		0.0	Sample collected WC09_6-8 Petroleum-like odor and staining throughout to 20ft
	+10.3	R1b (9-15") Brown fine SAND, trace fine gravel (dry) [FILL]	1					0.1	
		R1c (15-26") Red GRAVEL, some fine red sand (dry) [FILL]	2					1.1	
		R1d (26-31") Brown fine SAND, trace coarse sand (dry) [FILL]	3					0.0	
			4	R2	MACROCORE	34/48		0.2	
			5					0.0	
			6					1.2	
			7					0.3	
			8	R3	MACROCORE	47/48		0.0	
			9					4.5	
			10					2.8	
			11					3.7	
	+2.5	R3a (0-5") Red fine GRAVEL, some fine red sand (moist) [FILL]	12	R4	MACROCORE	48/48		29.1	
		R3b (5-9") Reddish-brown medium to fine SAND, trace fine gravel, trace fine sand (moist to wet)	13					58	
		R3c (9-20") Dark brown fine SAND (wet)	14					2270	
		R3d (20-27") Black fine SAND, some silt (wet)	15					197.4	
		R3e (27-30") Black medium to fine SAND (wet)	16	R5	MACROCORE	46/48		114.4	
		R3f (30-35") Black fine SAND, some silt (wet)	17					93.4	
		R3g (35-47") Dark brown to black fine SAND, some lenticular peat lenses	18					5860	
			19					396	
	-1.0	R4a (0-35") Brown SILT, some fine sand, trace medium gravel, trace fine gravel (wet)	20	R5	MACROCORE	46/48		697	
			21					4792	
			22					915	
			23					398	
	-3.9	R4b (35-44") Gray CLAY, some silt, some fine sand (wet)	24	R5	MACROCORE	46/48		117	
			25					104	
			26					1634	
			27					2192	
	-4.7	R4c (44-48") Gray fine SAND, some silt, trace clay (wet)	28	R5	MACROCORE	46/48		772	
		R5a (0-12") Dark gray fine SAND, trace silt, trace coarse sand (wet)	29					544.7	
		R5b (12-20") Gray fine SAND, some silt, trace clay (wet)	30					630	
		R5c (20-36") Gray fine SAND, some clay, trace silt	31					696	
	-8.2		32	R5	MACROCORE	46/48		267	
			33						
			34						
			35						
			36	R5	MACROCORE	46/48			
			37						
			38						
			39						
			40	R5	MACROCORE	46/48			
			41						
			42						
			43						
			44	R5	MACROCORE	46/48			
			45						
			46						
			47						
			48	R5	MACROCORE	46/48			
			49						
			50						
			51						
			52	R5	MACROCORE	46/48			
			53						
			54						
			55						
			56	R5	MACROCORE	46/48			
			57						
			58						
			59						
			60	R5	MACROCORE	46/48			
			61						
			62						
			63						
			64	R5	MACROCORE	46/48			
			65						
			66						
			67						
			68	R5	MACROCORE	46/48			
			69						
			70						
			71						
			72	R5	MACROCORE	46/48			
			73						
			74						
			75						
			76	R5	MACROCORE	46/48			
			77						
			78						
			79						
			80	R5	MACROCORE	46/48			
			81						
			82						
			83						
			84	R5	MACROCORE	46/48			
			85						
			86						
			87						
			88	R5	MACROCORE	46/48			
			89						
			90						
			91						
			92	R5	MACROCORE	46/48			
			93						
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			98						
			99						
			100	R5	MACROCORE	46/48			
			101						
			102						
			103						
			104	R5	MACROCORE	46/48			
			105						
			106						
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			108	R5	MACROCORE	46/48			
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			112	R5	MACROCORE	46/48			
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			120	R5	MACROCORE	46/48			
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			122						
			123						
			124	R5	MACROCORE	46/48			
			125						
			126						
			127						
			128	R5	MACROCORE	46/48			
			129						
			130						
			131						
			132	R5	MACROCORE	46/48			
			133						
			134						
			135						
			136	R5	MACROCORE	46/48			
			137						
			138						
			139						
			140	R5	MACROCORE	46/48			
			141						
			142						
			143						
			144	R5	MACROCORE	46/48			
			145						
			146						
			147						
			148	R5	MACROCORE	46/48			
			149						
			150						
			151						
			152	R5	MACROCORE	46/48			
			153						
			154						
			155						
			156	R5	MACROCORE	46/48			
			157						
			158						
			159						
			160	R5	MACROCORE	46/48			
			161						
			162						
			163						
			164	R5	MACROCORE	46/48			
			165						
			166						
			167						
			168	R5	MACROCORE	46/48			
			169						
			170						
			171						
			172	R5	MACROCORE	46/48			
			173						
			174						
			175						
			176	R5	MACROCORE	46/48			
			177						
			178						
			179						
			180	R5	MACROCORE	46/48			
			181						
			182						
			183						
			184	R5	MACROCORE	46/48			
			185						
			186						
			187						
			188	R5	MACROCORE	46/48			
			189						
			190						
			191						
			192	R5	MACROCORE	46/48			
			193						
			194						
			195						
			196	R5	MACROCORE	46/48			
			197						
			198						
			199						
			200	R5	MACROCORE	46/48			
			201						
			202						
			203						
			204	R5	MACROCORE	46/48			
			205						
			206						
			207						
			208	R5	MACROCORE	46/48			
			209						
			210						
			211						
			212	R5	MACROCORE	46/48			
			213						
			214						
			215						
			216	R5	MACROCORE	46/48			
			217						
			218						
			219						
			220	R5	MACROCORE	46/48			
			221						
			222						
			223						
			224	R5	MACROCORE	46/48			
			225						
			226						
			227						
			228	R5	MACROCORE	46/48			
			229						
			230						
			231						
			232	R5	MACROCORE	46/48			
			233						
			234						
			235						
			236	R5	MACROCORE	46/48			
			237						
			238						
			239						

Project			Project No.						
561 Greenwich			190043701						
Location			Elevation and Datum						
New York, NY			Approx. El 11 (NAVD88)						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	
	-9.0		20					162	End of boring. Backfilled with clean sand and capped with concrete
			21						
	-11.0	R6a (0-10") Purplish-gray fine clayey SAND (wet)	22	R6	MACROCORE	24/48		169.5	
		R6b (10-17") Purplish-gray coarse SAND, some clay (wet)	23				104.3		
	R6c (17-24") Purplish-gray fine SAND, trace silt (wet)	24		27.8					
		25		27.7					
	-13.0		26				5.8		
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

End of boring. Backfilled with clean sand and capped with concrete

Project 561 Greenwich				Project No. 190043701							
Location New York, NY				Elevation and Datum Approx. El 11.5 (NAVD88)							
Drilling Company AARCO Environmental Services Corp.				Date Started 10/30/18		Date Finished 10/30/18					
Drilling Equipment Geoprobe 7822DT				Completion Depth 24 ft		Rock Depth					
Size and Type of Bit 4' Macrocore 2 1/4" Diameter				Number of Samples 6		Undisturbed N/A		Core N/A			
Casing Diameter (in) N/A			Casing Depth (ft) N/A		Water Level (ft.) First 10		Completion N/A		24 HR. N/A		
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Drilling Foreman Adam Hutchinson					
Sampler 2-inch diameter acetate liner					Field Engineer Dina Palazzolo						
Sampler Hammer N/A		Weight (lbs) N/A		Drop (in) N/A							
MATERIAL SYMBOL	Elev. (ft)	Sample Description			Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
						Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+11.5	R1a (0-15") ASPHALT and CONCRETE			0	R1	MACROCORE	15/48		0.0 0.0 0.0	Void space encountered below asphalt cover to base of sample R1. Void was inspected with a flashlight and screened for odors and PID readings. No evidence of petroleum contamination or a UST was observed, so the boring was advanced below the void space. The void may be related to a former partial cellar or crawl space beneath the garage.
	+10.3	VOID SPACE			1						
					2						
					3						
					4	R2	MACROCORE	24/48		0.0 0.0 0.0 0.0 0.2	
	+5.5	R2a (0-17") Reddish-brown fine SAND, trace silt, trace red gravel (moist) [FILL]			6						
		R2b (17-19") Dark gray to black fine GRAVEL, some medium to fine sand (moist) [FILL]			7						
		R2c (19-24") Brown fine SAND, trace silt, trace fine to medium gravel [FILL]			8						
	+2.7	R3a (0-5") Brown to dark gray fine SAND, some silt, trace clay (moist to wet)			9	R3	MACROCORE	38/48		0.2 48.2 8165 4444 4716 15000	Sample collected WC10_9-11 PID reading exceeds limit
	+2.3	R3b (5-8") Black SILT, some fine sand, trace clay (wet)			10						
	+2.0	R3c (8-16") Dark brown to black medium to fine SAND, trace fine gravel (wet)			11						
	+1.3	R3d (16-20") Dark gray SILT, some clay, trace fine sand (wet)			12						
	+1.0	R3e (20-26") Dark gray CLAY, some silt, trace fine sand (wet)			13	R4	MACROCORE	40/48		1226 682 180 617 1327 2217 91 170 16.5 27 36 64.2	Organic-like odor Petroleum-like odor and staining from 12-16ft
	+0.5	R3f (26-38") Black fine SAND, lenticular peat lenses			14						
		R4a (0-10") Black medium to fine SAND, some silt, trace clay (wet)			15						
		R4b (10-32") Grayish brown SILT, trace fine sand, trace clay (wet)			16						
	-2.7	R5a (0-8") Brown CLAY, some silt, some fine sand (wet)			17	R5	MACROCORE	48/48		113 31 29.6 14.6 52 8.4 36	Sample collected WC10_16-18 Petroleum-like odors from 16-18ft
	-4.5	R5b (8-20") Gray fine SAND, some silt, trace clay (wet)			18						
	-5.2	R5c (20-43") Gray CLAY, some silt (wet)			19						
	-6.2	R5d (43-48") Purplish gray fine SAND (wet)			20						
	-8.1										

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Project			Project No.						
561 Greenwich			190043701						
Location			Elevation and Datum						
New York, NY			Approx. El 11.5 (NAVD88)						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BL/6in	PID Reading (ppm)	
	-8.5	R6a (0-6") Gray fine SAND, trace silt (wet)	20	R6	MACROCORE	48/48		15.9 2.0 1.3 12.4 2.4 4.3	Sample collected WC10_20-22 Sample collected WC10_22-24 End of boring. Backfilled with clean sand and capped with concrete
	-9.0	R6b (6-16") Brown SILT, some clay (wet)	21						
	-9.8	R6c (16-21") Brown CLAY, some silt (wet) R6d (21-33") Brown CLAY, trace silt (wet)	22						
	-11.3		23						
	-12.5	R6e (33-48") Brown medium to fine SAND, trace silt (wet)	24						
			24						
			25						
			26						
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
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			43						
			44						
			45						

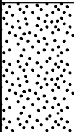
Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/30/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/30/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 8.5
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Adam Hutchinson
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-14") CONCRETE	0					0.0	
	+9.8	R1b (14-16") Dark brown fine SAND, some fine gravel, trace red gravel (dry) [FILL]	1	R1	MACROCORE	17/48		0.0	
			2					0.0	
			3						
			4						
		R2a (0-16") Purplish-gray fine SAND, some fine gravel (moist) [FILL]	5	R2	MACROCORE	35/48		0.0	
			6					0.0	
		R2b (16-20") Red fine GRAVEL, some fine red sand, trace coarse gravel, trace concrete (moist) [FILL]	7					0.0	
		R2c (20-25") Black medium to fine SAND, angular, with coal (moist) [FILL]	8					0.0	
		R2d (25-35") Purplish-gray to brown fine SAND, trace coarse sand, trace silt (moist)	9					0.0	
		R3a (0-14") Purple to gray fine SAND, trace coarse sand, trace fine gravel (moist to wet) [FILL]	10	R3	MACROCORE	48/48		0.0	
	+1.3	R3b (14-30") Gray to dark gray CLAY, some silt, trace fine sand (wet)	11					0.2	
	0.0	R5b (10-21") Brown fine SAND, some silt (wet)	12					5.9	
		R3c (30-37") Dark brown fine SAND, trace lenticular peat lenses (wet)	13					4.6	
		R3d (37-42") Dark brown fine SAND, some silt (wet)	14	R4	MACROCORE	31/48		0.0	
	-2.4	R4a (0-26") Gray SILT, some clay, trace fine sand (wet)	15					2.5	
			16					2.8	
		R4b (26-31") Gray fine SAND, some silt, trace clay (wet)	17					1.6	
		R5a (0-10") Brown medium to fine SAND, trace silt (wet)	18	R5	MACROCORE	46/48		1.5	
	-4.6		19					0.6	
		R5c (21-32") Gray CLAY, trace silt (wet)	20					6.9	
	-6.9							12.5	
		R5d (33-46") Gray fine SAND, trace silt (wet)						2.2	
	-7.9							3.5	
								2.6	
								13.8	
								7.3	
								3.2	

Sample collected WC11_6-8 and DUP01_Grab

Organic-like odor

Sample collected WC11_18-20

Project			Project No.							
561 Greenwich			190043701							
Location			Elevation and Datum							
New York, NY			Approx. El 11 (NAVD88)							
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)	
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)		
	-11.2	R6a (0-13") Purplish-gray medium to coarse SAND, trace fine sand (wet)	20	R6	MACROCORE	46/48		1.1	End of boring. Permanent well constructed, well screen set from 8-18ft. Finished with a J-plug and manhole cover. See well construction log for details.	
		R6b (13-24") Purplish-gray fine SAND, trace medium sand (wet)	21					1.8		
			R6c (24-40") Purple SILT, trace clay (wet)					22		11.9
								23		2.1
	-13.0	R6d (40-46") Purplish fine SAND, some silt (wet)	24	1.8						
			25	0.3						
			26	0.9						
			27							
			28							
			29							
			30							
			31							
			32							
			33							
			34							
			35							
			36							
			37							
			38							
			39							
			40							
			41							
			42							
			43							
			44							
			45							

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/31/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/31/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	14
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Daybi Parheco
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

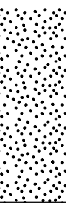
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID Reading (ppm)	
	+11.0	R1a (0-16") CONCRETE	0					75.3	
	+9.7	R1b (16-31") Purplish fine SAND, trace red fine sand, trace red fine gravel (dry) [FILL]	1					20.3	
		R1c (31-36") Gray GRAVEL, some fine purplish sand (dry) [FILL]	2	R1	MACROCORE	36/48		5.6	
			3					3.2	
			4						
		R2a (0-21") Purplish-red fine SAND, some fine gravel, trace med gravel (moist) [FILL]	5	R2	MACROCORE	36/48		52.7	
			6					6.0	Chemical-like odor
		R2b (21-30") Purplish-red medium fine SAND, trace fine sand (moist) [FILL]	7					2.2	
			8					1.2	
			9					0.7	
		R3a (0-11") Purplish-red/brown fine SAND, trace fine gravel (moist) [FILL]	10	R3	MACROCORE	26/48			Petroleum-like odors
	+0.3	R3b (11-13") Gray fine SAND, some silt (moist)	11					0.0	
	-0.3	R3c (13-17") Dark purple medium fine SAND (moist)	12					0.0	
	-0.8	R3d (17-24") Dark gray SILT, some fine sand (moist)	13					0.0	
		R3e (24-26") Black fine SAND, some silt, black wood (moist)	14					0.0	
	-2.2	R4a (0-4") Gray SILT, some fine sand, trace clay (moist)	15	R4	MACROCORE	34/48		63.5	
	-3.2	R4b (4-12") Dark gray to black SILT, some fine sand, some organics (moist)	16					3.8	Sample collected WC12_13-15
		R4c (12-30") Gray tan CLAY, trace silt, trace fine sand, wood (wet)	17					15	
	-4.7	R4d (30-34") Gray fine SAND, some silt (wet)	18					1.8	
			19					1.4	
		R5a (0-10") Purplish-gray fine SAND, trace fine gravel (wet)	20	R5	MACROCORE	39/48		16.2	
	-6.6							2.7	
		R5b (10-31") Gray SILT, trace fine sand (wet)						2.6	
								4.2	
	-8.3	R5c (31-39") Purplish-gray fine SAND (wet)						19	End of boring. Backfilled with clean sand and capped with concrete
	-9.0							8.7	

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Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/31/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/31/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	First	11
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Drilling Foreman	Daybi Parheco		
Field Engineer	Dina Palazzolo		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU6in	PID Reading (ppm)	
	+11.0	R1a (0-10") CONCRETE	0						
	+10.2	R1b (10-16") Black fine SAND, trace fine gravel (dry) [FILL]	1					3.2	
		R1c (16-22") White coarse SAND, some fine gravel (dry) [FILL]	2					2.6	
		R1d (22-40") Light brown fine SAND, trace silt, trace coarse sand (dry) [FILL]	3					0.3	
			4					5.6	
			5					4.6	
			6						
		R2a (0-8") Purplish-gray fine SAND, and red gravel, some fine gravel (dry) [FILL]	7					3.2	
		R2b (8-16") Brown fine SAND, some coarse sand, trace fine gravel (dry) [FILL]	8					5.3	
			9						
		R3a (0-12") Greenish-black fine SAND, some silt, some organics, with brick and wood (moist) [FILL]	10					1493	
	+0.7	R3b (12-32") Greenish-black fine SAND, some silt, some organics with wood (moist)	11					3871	
			12					382	
			13					175	
	-1.0	R4a (0-15") Dark brown to black SILT, some fine sand, trace clay (wet)	14					4475	
			15					2595	
			16					9703	
	-3.5	R4b (15-33") Grayish-brown fine SAND, some silt, trace clay (wet)	17					15000	
			18					2481	
			19					10098	
		R5a (0-30") Dark gray to gray fine SAND, some silt (wet)	20					9971	
								15000	
								7063	
	-8.3	R5b (30-39") Light gray SILT and fine SAND, trace clay (wet)							
	-9.0								

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Project			Project No.								
561 Greenwich			190043701								
Location			Elevation and Datum								
New York, NY			Approx. El 11 (NAVD88)								
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)			
	-9.0	R6a (0-21") Gray fine SAND, some silt, trace clay (wet)	20	R6	MACROCORE	46/48		1373	Sample collected WC13_20-22 and MS/MSD		
		R6b (21-31") Gray fine SAND, trace coarse sand, trace silt (wet)	21					12973			
		R6c (31-46") Purplish-gray medium SAND, some fine sand, trace silt (wet)	22					6180			
	-13.0		23					2020	Sample collected WC13_22-24		
			24					127.3			
			25					254			
			26					234.7			
			27								
			28								
			29								
			30								
			31								
			32								
			33								
			34								
			35								
			36								
			37								
			38								
			39								
			40								
			41								
			42								
			43								
			44								
			45								

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/31/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/31/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	28 ft
Casing Diameter (in)	N/A	Number of Samples	7
Casing Depth (ft)	N/A	Disturbed	7
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 12.5
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Daybi Parheco
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-7") CONCRETE	0						
	+10.4	R1b (7-11") Asphalt	1					0.0	
	+10.1	R1c (11-29") Brown fine SAND, some fine gravel, some red gravel, trace coarse gravel (dry) [FILL]	2	R1	MACROCORE	32/48		1.5	
		R1d (29-32") Red fine GRAVEL, some red fine sand (dry) [FILL]	3					0.3	
			4					4.3	
			5	R2	MACROCORE	20/48			
		R2a (0-15") Purplish brown fine SAND, some fine gravel (moist) [FILL]	6					1.2	
			7					0.8	
		R2b (15-20") Black fine SAND, some coarse sand and fine gravel, trace coal [FILL]	8					1.6	
	+2.8	R3a (0-12") Purplish dark gray fine SAND, some fine gravel (moist)	9	R3	MACROCORE	45/48		3.8	Petroleum-like odors throughout to 12 ft
		R3b (12-31") Purplish dark gray fine SAND, some silt, trace fine gravel (moist)	10					9.9	
			11					5090	
	+0.2	R3c (31-39") Dark gray SILT, some fine sand, trace clay (moist)	12					4151	
	-0.5	R3d (39-45") Black fine SAND, some silt, some organics (moist)	13					270.1	
		R4a (0-11") Purplish dark gray fine SAND, some fine gravel, trace silt (wet)	14	R4	MACROCORE	46/48		96.0	Petroleum-like odors and staining throughout the rest of boring
	-2.1	R4b (11-17") Black SILT, trace fine sand, trace clay (wet)	15					115.3	
	-2.6	R4c (17-23") Black fine SAND, some silt, trace clay (wet)	16					217.2	
	-3.1	R4d (23-31") Black SILT, trace clay (wet)	17					259.4	
	-3.8	R4e (31-46") Black to gray CLAY, some silt, trace fine sand (wet)	18					352.3	
			19					7175	
	-5.0	R5a (0-18") Gray to dark gray fine SAND, trace silt (wet)	20	R5	MACROCORE	46/48		15000	Sample collected WC13_16-18
								15000	
		R5b (18-35") Gray fine SAND, some silt, trace clay (wet)						191.7	
								177.7	
								958	
	-8.1	R5c (35-43") Gray CLAY (wet)						4891	
	-8.8							5185	
								1500	Sample collected WC13_18-20
								1500	

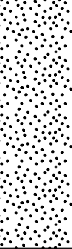
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Project			Project No.									
561 Greenwich			190043701									
Location			Elevation and Datum									
New York, NY			Approx. El 11 (NAVD88)									
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)			
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)				
	-9.0	R5d (43-46") Gray fine SAND, trace silt (wet)	20	R6	MACROCORE	24/48			Sample collected WC13_20-22			
			21									
		R6a (0-12") Purplish gray medium fine SAND, some silt (wet)	22							275.2		
			23							398.3		
			24								Sample collected WC13_22-24	
		R6b (12-24") Purplish gray medium fine SAND, trace coarse sand (wet)	25	476.3								
			26	3117								
		R7a (0-24") Purplish gray coarse SAND, trace fine sand, trace silt (wet)	27	285.7								
			28									End of boring. Backfilled with sand, capped with concrete
			29	34.7								
R7b (24-46") Purplish gray fine SAND, some silt (wet)	30	90.6										
	31	343.9										
	32	1852										
	33	958.2										
	34	1018										
	35											
	36											
	37											
	38											
	39											
	40											
	41											
	42											
	43											
	44											
	45											

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	10/31/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	10/31/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Hammer	N/A	Disturbed	6
Weight (lbs)	N/A	Undisturbed	N/A
Drop (in)	N/A	Core	N/A
Sampler	2-inch diameter acetate liner	Water Level (ft.)	First 10
Sampler Hammer	N/A	Completion	N/A
Weight (lbs)	N/A	24 HR.	N/A
Drop (in)	N/A	Drilling Foreman	Daybi Parheco
		Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-10") Concrete	0						
	+10.2	R1b (10-14") Black medium fine SAND (dry) [FILL] R1c (14-34") Tan to pink fine SAND, some fine gravel, glass (dry) [FILL]	1	R1	MACROCORE	34/48		27.4	Sample collected WC15_1-3
			2					35.8	
			3					9.8	
		R2a (0-15") Purplish-brown SAND, some fine gravel, trace silt, coal (dry) [FILL]	4					19.1	
			5					20.3	
	+4.3	R2b (15-22") Brown fine SAND, some silt, trace medium fine gravel (moist) [FILL]	6	R2	MACROCORE	22/48			
		R3a (0-11") Dark brown to black SILT, some fine SAND (moist to wet)	7					51.6	Petroleum-like odors
			8					51.0	
			9					18.2	
	+1.3	R3b (11-16") Dark purplish-black medium fine SAND (wet)	10	R3	MACROCORE	33/48		28.0	
		R3c (16-27") Dark grayish-brown silty fine SAND with organics (wet)	11					193.5	
	+0.4	R3d (27-33") Black fine SAND, some silt, some lenticular peat lenses	12					2342	Petroleum-like odors
			13					154.6	
		R4a (0-18") Black fine SAND, trace silt (wet)	14	R4	MACROCORE	46/48		264.4	
	-2.7	R4b (18-40") Grayish-olive SILT, some fine sand (wet)	15					2175	
			16					1434	
	-4.5	R4c (40-46") Grayish-olive fine SAND, trace silt (wet)	17	R5	MACROCORE	40/48		1786	Sample collected WC15_12-14
			18					30.2	
		R5a (0-9") Purplish-gray fine SAND, trace coarse sand, trace red fine gravel (wet)	19					23.2	
		R5b (9-40") Gray fine SAND, trace silt (wet)	20					58.8	
								62.3	

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Project			Project No.						
561 Greenwich			190043701						
Location			Elevation and Datum						
New York, NY			Approx. El 11 (NAVD88)						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	
	-9.0	R6a (0-31") Gray fine SAND, trace silt (wet)	20	R6	MACROCORE	46/48		10.5	Sample collected WC15_20-22
			21					6.4	
			22					7.1	
			23					5.7	
		R6b (31-46") Gray fine SAND, some medium fine sand (wet)	24					3.5	
	-13.0		25					11.3	
			26						End of boring. Permanent well constructed, well screen set from 7-17ft. Finished with a J-plug and manhole cover. See well construction log for details.
			27						
			28						
			29						
			30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

Project 561 Greenwich				Project No. 190043701			
Location New York, NY				Elevation and Datum Approx. El 11 (NAVD88)			
Drilling Company AARCO Environmental Services Corp.				Date Started 10/31/18		Date Finished 10/31/18	
Drilling Equipment Geoprobe 7822DT				Completion Depth 20 ft		Rock Depth	
Size and Type of Bit 4' Macrocore 2 1/4" Diameter				Number of Samples 6		Disturbed N/A	
Casing Diameter (in) N/A		Casing Depth (ft) N/A		Water Level (ft.) First ∇ 13		Undisturbed N/A	
Casing Hammer N/A		Weight (lbs) N/A		Drop (in) N/A		Core N/A	
Sampler 2-inch diameter acetate liner				Drilling Foreman Daybi Parheco			
Sampler Hammer N/A				Field Engineer Dina Palazzolo			

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-8") Concrete	0						
	+10.3	R1b (8-11") Black fine SAND, trace coarse sand (dry) [FILL]	1					1.0	
		R1c (11-20") Tan fine SAND, some red fine gravel (dry) [FILL]	2					1.1	
		R1d (20-25") Brown fine SAND, trace silt (moist) [FILL]	3					0.8	
			4					0.7	
			5						
			6						
			7						
		R2 Purplish-gray fine SAND, trace coarse sand, trace fine gravel (moist) [FILL]	8					0.4	
			9					0.2	
			10					0.1	
			11						
	-1.2	R3a (0-20") Purplish-gray fine SAND, some fine gravel, trace silt, trace coarse sand (moist) [FILL]	12					1.5	
	-2.1	R3b (20-37") Purplish-brown fine SAND, some silt, trace fine gravel (moist) [FILL]	13					0.3	
			14					0.0	
			15					0.7	
	-2.9	R4a (0-11") Dark purplish-gray fine SAND, trace red gravel, trace gravel (moist)	16					0.9	
		R4b (11-21") Dark gray to black SILT, trace fine sand (moist to wet)	17					1.3	
		R4c (21-46") Gray fine SAND, some silt, trace clay (wet)	18					2.6	
			19					4.3	
			20					4.0	
								5.5	
								2.9	
								0.5	
								3.0	
								8.5	
								10.0	
								0.6	

End of boring. Backfilled with clean sand and capped with concrete

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	11/1/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	11/1/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 12.5
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Adam Hutchinson
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-6") Concrete	0						
	+10.6	R1b (6-8") Black fine SAND, trace fine gravel (dry) [FILL]	1					0.0	
		R1c (8-25") Tan fine SAND, some fine red sand, some fine gravel (moist) [FILL]	2					0.0	
			3					0.0	
		R2a (0-5") Reddish-purple fine SAND, some fine gravel, trace coarse sand (moist) [FILL]	4						
		R2b (5-23") Purplish tan fine SAND, some coarse sand, trace fine gravel (moist) [FILL]	5						
			6					0.0	
			7					0.0	
	+3.4	R2c (23-25") Brown fine SAND, some silt (moist)	8					0.0	
		R3a (0-2") Brown fine SAND, some silt (moist)	9					0.0	
			10					0.0	
			11					0.0	
		R4a (0-19") Grayish olive fine SAND, trace silt (moist to wet)	12					0.0	
			13						
		R4b (19-24") Grayish-olive fine SAND, some silt, trace clay (wet)	14					1.4	
		R4c (24-30") Grayish-olive fine SAND (wet)	15					6.3	
			16					5.3	
			17					8.5	
			18					9.4	
			19					4.2	
			20					1.0	
								1.4	
								7.9	
								3.7	
								2.0	
								0.3	
								0.7	
								0.0	

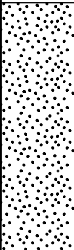
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Project			Project No.						
561 Greenwich			190043701						
Location			Elevation and Datum						
New York, NY			Approx. El 11 (NAVD88)						
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)	
	-9.0	R6a (0-31") Grayish olive fine SAND, trace silt (wet)	20	R6	MACROCORE	46/48		0.0	End of boring. Backfilled with clean sand and capped with concrete
		21	0.0						
		22	0.0						
		23	0.0						
		24	0.0						
		25	0.0						
		26	2.9						
		27	7.6						
		28	0.4						
		29							
	-13.0	R6b (31-46") Purplish gray medium fine SAND, trace coarse sand (wet)	30						
			31						
			32						
			33						
			34						
			35						
			36						
			37						
			38						
			39						
			40						
			41						
			42						
			43						
			44						
			45						

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	11/1/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	11/1/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	24 ft
Casing Diameter (in)	N/A	Number of Samples	6
Casing Depth (ft)	N/A	Disturbed	6
Casing Hammer	N/A	First	12
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Sampler	2-inch diameter acetate liner	Drilling Foreman	Adam Hutchinson
Sampler Hammer	N/A	Field Engineer	Dina Palazzolo
Weight (lbs)	N/A		
Drop (in)	N/A		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-8") Concrete	0						
	+10.3	R1b (8-18") Brown to black fine SAND, trace medium fine sand, trace coarse sand, trace fine gravel, trace red gravel (moist) [FILL]	1					0.0	
			2	R1	MACROCORE	18/48		0.0	
			3						
			4						
		R2a (0-16") Purplish/reddish brown fine SAND, some fine gravel, with brick (moist) [FILL]	5						
			6	R2	MACROCORE	27/48		0.0	Sample collected WC18_6-8
			7					0.0	
		R2b (16-18) Black fine SAND, some coarse sand, trace concrete and coal (moist) [FILL]	8					0.0	
		R2c (18-27) Brown fine SAND, trace silt (moist to wet) [FILL]	9					0.0	
		R3a (0-14") Reddish-brown fine SAND, some fine gravel, trace coarse sand (moist) [FILL]	10					0.0	
		R3b (14-30") Brown fine SAND, some gravel, trace fine gravel, trace silt (moist) [FILL]	11					0.0	
	-0.2	R3c (30-40") Black fine SAND, some silt, some lenticular peat lenses (moist)	12					0.7	Organic-like odor
		R4a (0-17") Dark brown fine SAND, some fine gravel, some coarse sand, trace silt (wet)	13					5.3	
			14					36.7	
		R4b (17-26") Dark brown SILT, some fine sand, trace coarse sand (wet)	15					17.0	
		R4c (26-33") Brownish-olive fine SAND, some silt (wet)	16					26.4	
		R4d (33-40") Olive SILT, some fine sand (wet)	17					27.8	
		R4e (40-46") Olive fine SAND (wet)	18	R4	MACROCORE	46/48		9.4	Petroleum-like odor
			19					1.2	
			20					10.7	Sample collected WC18_13-15
								0.4	
								0.0	
								0.6	
								5.6	
								1.6	
								1.4	
								4.9	
								0.5	Sulfur-like odor
								0.0	

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Project			561 Greenwich			Project No.			190043701		
Location			New York, NY			Elevation and Datum			Approx. El 11 (NAVD88)		
MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)		
				Number	Type	Recov. (in)	Penetr. resist. BL/6in	PID Reading (ppm)			
	-9.0	R6 Gray fine SAND, trace silt (wet)	20	R6	MACROCORE	40/48			0.0	End of boring. Backfilled with clean sand and capped with concrete	
			21						0.0		
			22						0.2		
			23						0.0		
			24						0.8		
			25						5.3		
			26						2.2		
			27						0.0		
			28								
			29								
	-13.0		30								
			31								
			32								
			33								
			34								
			35								
			36								
			37								
			38								
			39								
			40								
			41								
			42								
			43								
			44								
			45								

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	11/1/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	11/1/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	First	7.5
Weight (lbs)	N/A	Completion	N/A
Drop (in)	N/A	24 HR.	N/A
Drilling Foreman	Adam Hutchinson		
Field Engineer	Dina Palazzolo		

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data				Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	PID Reading (ppm)	
	+11.0	R1a (0-14") Concrete	0				0.0	
	+9.8	R1b (14-20") Black medium SAND, trace coarse sand, trace fine sand (moist) [FILL]	1				0.0	
		R1c (20-30") Purplish light brown fine SAND, some red fine gravel, trace coarse sand (moist) [FILL]	2	R1	MACROCORE	40/48	0.0	
		R1d (30-40") Purplish light brown fine SAND, trace coarse sand, trace fine gravel (moist) [FILL]	3				0.0	
			4				0.0	
		R2a (0-26") Purplish light brown fine SAND, some coarse sand, trace fine gravel (moist) [FILL]	5	R2	MACROCORE	34/48	0.0	
			6				0.0	
		R2b (26-34") Brown fine SAND, trace fine gravel, trace coarse sand, with coal (moist to wet)	7				0.0	
			8				0.0	
			9				0.0	
	+0.9	R3a (0-8") Purplish-brown fine SAND, trace silt, trace coarse sand, trace gravel (wet) [FILL]	10	R3	MACROCORE	31/48	0.0	
	+0.2	R3b (8-17") Dark gray to brown sandy SILT, trace fine gravel, with wood (wet)	11				0.0	
	-0.6	R3c (17-26") Light gray GRAVEL, some fine sand (wet)	12				0.0	
	-1.3	R3d (26-31") Black fine SAND, some silt, some lenticular peat lenses, some organics (wet)	13				0.2	Organic-like odor
	-2.4	R4a (0-13") Dark gray to black fine gravelly fine SAND, some coarse sand, trace silt (wet)	14	R4	MACROCORE	44/48	0.0	
		R4b (13-33") Dark brown to olive silty fine SAND, trace clay (wet)	15				0.0	
		R4c (33-44") Dark gray fine SAND, trace silt (wet)	16				0.0	
		R5a (0-28") Dark gray fine SAND, trace silt (wet)	17	R5	MACROCORE	46/48	0.0	
			18				0.0	
		R5b (28-46") Dark gray fine SAND (wet)	19				0.0	
	-9.0		20				0.0	End of boring. Backfilled with clean sand and capped with concrete

Project	561 Greenwich	Project No.	190043701
Location	New York, NY	Elevation and Datum	Approx. El 11 (NAVD88)
Drilling Company	AARCO Environmental Services Corp.	Date Started	11/1/18
Drilling Equipment	Geoprobe 7822DT	Date Finished	11/1/18
Size and Type of Bit	4' Macrocore 2 1/4" Diameter	Completion Depth	20 ft
Casing Diameter (in)	N/A	Number of Samples	5
Casing Depth (ft)	N/A	Disturbed	5
Casing Hammer	N/A	Undisturbed	N/A
Weight (lbs)	N/A	Core	N/A
Drop (in)	N/A	Water Level (ft.)	First 13.5
Sampler	2-inch diameter acetate liner	Completion	N/A
Sampler Hammer	N/A	24 HR.	N/A
Weight (lbs)	N/A	Drilling Foreman	Adam Hutchinson
Drop (in)	N/A	Field Engineer	Dina Palazzolo

MATERIAL SYMBOL	Elev. (ft)	Sample Description	Depth Scale	Sample Data					Remarks (Drilling Fluid, Depth of Casing, Fluid Loss, Drilling Resistance, etc.)
				Number	Type	Recov. (in)	Penetr. resist. BLU/in	PID Reading (ppm)	
	+11.0	R1a (0-9") Concrete	0						
	+10.3	R1b (9-14") Black fine SAND, trace fine gravel (dry) [FILL]	1					0.0	
		R1c (14-17") White medium GRAVEL [FILL]	2					0.1	
		R1d (17-26") Purplish brown fine SAND, trace coarse sand (moist) [FILL]	3					0.0	
			4					0.0	
			5						
		R2a (0-5") Black medium SAND, some fine angular gravel (moist) [FILL]	6					0.0	
		R2b (5-19") Purplish light brown fine SAND, some fine gravel (moist) [FILL]	7					0.0	
		R2c (19-21") Dark brown fine SAND, some silt, trace clay with coal (moist) [FILL]	8					0.0	
			9						
		R3a (0-4") Brown silty fine SAND (moist) [FILL]	10						
		R3b (4-6") Purplish light brown fine SAND, trace fine gravel (moist) [FILL]	11					0.0	
		R3c (6-21") Purplish brown fine SAND, some red fine gravel, some gray gravel, trace silt (moist) [FILL]	12					0.0	
			13					0.0	
		R4a (0-8") Brownish dark gray fine SAND, trace silt, trace coarse sand (moist to wet) [FILL]	14					0.2	
	-3.0	R4b (8-15") Dark gray fine SAND (wet)	15					0.0	
	-3.8	R4c (15-18") Dark gray fine SAND with wood (wet)	16					13.1	
		R4d (18-32") Dark gray to olive fine sandy SILT (wet)	17					3.2	
			18					1.4	
	-5.8	R5a (0-19") Gray fine SAND (wet)	19					1.1	
			20					0.1	
		R5b (19-22") Gray fine SAND, trace silt (wet)						0.8	
		R5c (22-27") Purplish gray medium SAND, trace fine sand (wet)						0.1	
		R5d (27-39") Gray fine SAND, trace silt (wet)						0.0	

Sample collected WC20_6-8

Petroleum-like odor

Sample collected WC20_18-20
End of boring. Backfilled with clean sand and capped with concrete

ATTACHMENT 3
GROUNDWATER SAMPLING LOGS

GROUND WATER SAMPLE FIELD INFORMATION FORM

[illegible]

ATTACHMENT 4
LABORATORY ANALYTICAL REPORTS



ANALYTICAL REPORT

Lab Number:	L1844138
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	551 GREENWICH ST.
Project Number:	190043701
Report Date:	02/12/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844138-01	COMP0102_14-20	SOIL	MANHATTAN, NY	10/29/18 12:00	10/29/18
L1844138-02	COMP01_0-14	SOIL	MANHATTAN, NY	10/29/18 12:25	10/29/18
L1844138-03	COMP02_0-14	SOIL	MANHATTAN, NY	10/29/18 09:45	10/29/18
L1844138-04	WC02_10-12	SOIL	MANHATTAN, NY	10/29/18 10:40	10/29/18
L1844138-05	WC03_18-20	SOIL	MANHATTAN, NY	10/29/18 09:30	10/29/18
L1844138-06	WC04_6-8	SOIL	MANHATTAN, NY	10/29/18 08:40	10/29/18
L1844138-07	WC08_6-8	SOIL	MANHATTAN, NY	10/29/18 13:15	10/29/18
L1844138-08	WC01_18-19	SOIL	MANHATTAN, NY	10/29/18 11:11	10/29/18
L1844138-09	WC07_11-12	SOIL	MANHATTAN, NY	10/29/18 14:20	10/29/18

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

Case Narrative (continued)

Report Revision

February 12, 2019: The client IDs for L1844138-02 and -03 have been amended.

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Volatile Organics

L1844138-04: The surrogate recovery for 1,2-dichloroethane-d4 (139%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

L1844138-05: The surrogate recovery for 1,2-dichloroethane-d4 (138%) is outside the acceptance criteria; however, since the sample was non-detect for all target analytes associated with this surrogate, re-analysis was not required.

L1844138-09: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Total Metals

L1844138-01 through -03: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1174273-2 LCS recovery (41%), associated with L1844138-01 through -03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. In addition, the WG1174273-2/-3

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

Case Narrative (continued)

LCS/LCSD RPD is above the acceptance criteria (66%).

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 02/12/19

ORGANICS

VOLATILES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-04
Client ID: WC02_10-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 10:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/02/18 02:09
Analyst: MV
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.55	0.21	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.76	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.17	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-04
 Client ID: WC02_10-12
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 10:40
 Date Received: 10/29/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.61	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	11		ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.18	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.71	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.6	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-04
Client ID: WC02_10-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 10:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.35	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Acrolein	ND		ug/kg	27	6.2	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	110	38.	1
Freon-113	ND		ug/kg	4.4	0.76	1
p-Diethylbenzene	ND		ug/kg	2.2	0.19	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Methyl cyclohexane	ND		ug/kg	4.4	0.66	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	139	Q	70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	115		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-05
Client ID: WC03_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:30
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/02/18 02:35
Analyst: MV
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.95	0.14	1
Chloroform	ND		ug/kg	1.4	0.13	1
Carbon tetrachloride	ND		ug/kg	0.95	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.95	0.12	1
Dibromochloromethane	ND		ug/kg	0.95	0.13	1
1,1,2-Trichloroethane	ND		ug/kg	0.95	0.25	1
Tetrachloroethene	ND		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.8	0.66	1
1,2-Dichloroethane	ND		ug/kg	0.95	0.24	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.95	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
1,1-Dichloropropene	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.8	0.23	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.95	0.52	1
Ethylbenzene	ND		ug/kg	0.95	0.13	1
Chloromethane	ND		ug/kg	3.8	0.89	1
Bromomethane	ND		ug/kg	1.9	0.55	1
Vinyl chloride	ND		ug/kg	0.95	0.32	1
Chloroethane	ND		ug/kg	1.9	0.43	1
1,1-Dichloroethene	ND		ug/kg	0.95	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-05
 Client ID: WC03_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:30
 Date Received: 10/29/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.48	0.13	1
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	0.39	J	ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.53	1
o-Xylene	ND		ug/kg	0.95	0.28	1
Xylenes, Total	ND		ug/kg	0.95	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.95	0.17	1
Dibromomethane	ND		ug/kg	1.9	0.23	1
Styrene	ND		ug/kg	0.95	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.5	0.87	1
Acetone	19		ug/kg	9.5	4.6	1
Carbon disulfide	ND		ug/kg	9.5	4.3	1
2-Butanone	ND		ug/kg	9.5	2.1	1
Vinyl acetate	ND		ug/kg	9.5	2.0	1
4-Methyl-2-pentanone	ND		ug/kg	9.5	1.2	1
1,2,3-Trichloropropane	ND		ug/kg	1.9	0.12	1
2-Hexanone	ND		ug/kg	9.5	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.19	1
2,2-Dichloropropane	ND		ug/kg	1.9	0.19	1
1,2-Dibromoethane	ND		ug/kg	0.95	0.26	1
1,3-Dichloropropane	ND		ug/kg	1.9	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.48	0.12	1
Bromobenzene	ND		ug/kg	1.9	0.14	1
n-Butylbenzene	ND		ug/kg	0.95	0.16	1
sec-Butylbenzene	ND		ug/kg	0.95	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
o-Chlorotoluene	ND		ug/kg	1.9	0.18	1
p-Chlorotoluene	ND		ug/kg	1.9	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.8	0.95	1
Hexachlorobutadiene	ND		ug/kg	3.8	0.16	1
Isopropylbenzene	ND		ug/kg	0.95	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.95	0.10	1
Naphthalene	ND		ug/kg	3.8	0.62	1
Acrylonitrile	ND		ug/kg	3.8	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	19	4.9	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-05
Client ID: WC03_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:30
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	0.95	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.18	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.8	0.90	1
Acrolein	ND		ug/kg	24	5.4	1
Cyclohexane	ND		ug/kg	9.5	0.52	1
1,4-Dioxane	ND		ug/kg	95	33.	1
Freon-113	ND		ug/kg	3.8	0.66	1
p-Diethylbenzene	ND		ug/kg	1.9	0.17	1
p-Ethyltoluene	ND		ug/kg	1.9	0.36	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	1.9	0.18	1
Ethyl ether	ND		ug/kg	1.9	0.32	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.8	1.4	1
Methyl cyclohexane	ND		ug/kg	3.8	0.57	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	138	Q	70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	117		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-06
Client ID: WC04_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 08:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/02/18 03:01
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	ND		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	ND		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-06
 Client ID: WC04_6-8
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 08:40
 Date Received: 10/29/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	ND		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.2	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-06
Client ID: WC04_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 08:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Acrolein	ND		ug/kg	25	5.7	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.0	0.70	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	137	Q	70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	116		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-07
Client ID: WC08_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 13:15
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/02/18 16:14
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.9	3.1	1
1,1-Dichloroethane	ND		ug/kg	1.4	0.20	1
Chloroform	0.19	J	ug/kg	2.0	0.19	1
Carbon tetrachloride	ND		ug/kg	1.4	0.32	1
1,2-Dichloropropane	ND		ug/kg	1.4	0.17	1
Dibromochloromethane	ND		ug/kg	1.4	0.19	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	0.37	1
Tetrachloroethene	ND		ug/kg	0.69	0.27	1
Chlorobenzene	ND		ug/kg	0.69	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.5	0.95	1
1,2-Dichloroethane	ND		ug/kg	1.4	0.35	1
1,1,1-Trichloroethane	ND		ug/kg	0.69	0.23	1
Bromodichloromethane	ND		ug/kg	0.69	0.15	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	0.37	1
cis-1,3-Dichloropropene	ND		ug/kg	0.69	0.22	1
1,3-Dichloropropene, Total	ND		ug/kg	0.69	0.22	1
1,1-Dichloropropene	ND		ug/kg	0.69	0.22	1
Bromoform	ND		ug/kg	5.5	0.34	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.69	0.23	1
Benzene	ND		ug/kg	0.69	0.23	1
Toluene	ND		ug/kg	1.4	0.74	1
Ethylbenzene	ND		ug/kg	1.4	0.19	1
Chloromethane	ND		ug/kg	5.5	1.3	1
Bromomethane	ND		ug/kg	2.7	0.80	1
Vinyl chloride	ND		ug/kg	1.4	0.46	1
Chloroethane	ND		ug/kg	2.7	0.62	1
1,1-Dichloroethene	ND		ug/kg	1.4	0.33	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.19	1

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-07

Date Collected: 10/29/18 13:15

Client ID: WC08_6-8

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.69	0.19	1
1,2-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,3-Dichlorobenzene	ND		ug/kg	2.7	0.20	1
1,4-Dichlorobenzene	ND		ug/kg	2.7	0.23	1
Methyl tert butyl ether	ND		ug/kg	2.7	0.28	1
p/m-Xylene	ND		ug/kg	2.7	0.77	1
o-Xylene	ND		ug/kg	1.4	0.40	1
Xylenes, Total	ND		ug/kg	1.4	0.40	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	0.24	1
Dibromomethane	ND		ug/kg	2.7	0.33	1
Styrene	ND		ug/kg	1.4	0.27	1
Dichlorodifluoromethane	ND		ug/kg	14	1.2	1
Acetone	23		ug/kg	14	6.6	1
Carbon disulfide	ND		ug/kg	14	6.2	1
2-Butanone	ND		ug/kg	14	3.0	1
Vinyl acetate	ND		ug/kg	14	3.0	1
4-Methyl-2-pentanone	ND		ug/kg	14	1.8	1
1,2,3-Trichloropropane	ND		ug/kg	2.7	0.17	1
2-Hexanone	ND		ug/kg	14	1.6	1
Bromochloromethane	ND		ug/kg	2.7	0.28	1
2,2-Dichloropropane	ND		ug/kg	2.7	0.28	1
1,2-Dibromoethane	ND		ug/kg	1.4	0.38	1
1,3-Dichloropropane	ND		ug/kg	2.7	0.23	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.69	0.18	1
Bromobenzene	ND		ug/kg	2.7	0.20	1
n-Butylbenzene	ND		ug/kg	1.4	0.23	1
sec-Butylbenzene	ND		ug/kg	1.4	0.20	1
tert-Butylbenzene	ND		ug/kg	2.7	0.16	1
o-Chlorotoluene	ND		ug/kg	2.7	0.26	1
p-Chlorotoluene	ND		ug/kg	2.7	0.15	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.1	1.4	1
Hexachlorobutadiene	ND		ug/kg	5.5	0.23	1
Isopropylbenzene	ND		ug/kg	1.4	0.15	1
p-Isopropyltoluene	ND		ug/kg	1.4	0.15	1
Naphthalene	140		ug/kg	5.5	0.89	1
Acrylonitrile	ND		ug/kg	5.5	1.6	1
Tert-Butyl Alcohol	ND		ug/kg	27	7.0	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-07
Client ID: WC08_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 13:15
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.4	0.23	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.7	0.44	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.7	0.37	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.7	0.26	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.7	0.46	1
Methyl Acetate	ND		ug/kg	5.5	1.3	1
Acrolein	ND		ug/kg	34	7.7	1
Cyclohexane	ND		ug/kg	14	0.75	1
1,4-Dioxane	ND		ug/kg	140	48.	1
Freon-113	ND		ug/kg	5.5	0.95	1
p-Diethylbenzene	ND		ug/kg	2.7	0.24	1
p-Ethyltoluene	ND		ug/kg	2.7	0.53	1
1,2,4,5-Tetramethylbenzene	0.28	J	ug/kg	2.7	0.26	1
Ethyl ether	ND		ug/kg	2.7	0.47	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.9	1.9	1
Methyl cyclohexane	ND		ug/kg	5.5	0.83	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	74		70-130

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-08 D

Date Collected: 10/29/18 11:11

Client ID: WC01_18-19

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/02/18 10:39

Analyst: PK

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	3400	1500	10
1,1-Dichloroethane	ND		ug/kg	670	97.	10
Chloroform	ND		ug/kg	1000	94.	10
Carbon tetrachloride	ND		ug/kg	670	150	10
1,2-Dichloropropane	ND		ug/kg	670	84.	10
Dibromochloromethane	ND		ug/kg	670	94.	10
1,1,2-Trichloroethane	ND		ug/kg	670	180	10
Tetrachloroethene	ND		ug/kg	340	130	10
Chlorobenzene	ND		ug/kg	340	85.	10
Trichlorofluoromethane	ND		ug/kg	2700	460	10
1,2-Dichloroethane	ND		ug/kg	670	170	10
1,1,1-Trichloroethane	ND		ug/kg	340	110	10
Bromodichloromethane	ND		ug/kg	340	73.	10
trans-1,3-Dichloropropene	ND		ug/kg	670	180	10
cis-1,3-Dichloropropene	ND		ug/kg	340	100	10
1,3-Dichloropropene, Total	ND		ug/kg	340	100	10
1,1-Dichloropropene	ND		ug/kg	340	110	10
Bromoform	ND		ug/kg	2700	160	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	340	110	10
Benzene	ND		ug/kg	340	110	10
Toluene	ND		ug/kg	670	360	10
Ethylbenzene	2100		ug/kg	670	94.	10
Chloromethane	ND		ug/kg	2700	620	10
Bromomethane	ND		ug/kg	1300	390	10
Vinyl chloride	ND		ug/kg	670	220	10
Chloroethane	ND		ug/kg	1300	300	10
1,1-Dichloroethene	ND		ug/kg	670	160	10
trans-1,2-Dichloroethene	ND		ug/kg	1000	92.	10

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-08 D

Date Collected: 10/29/18 11:11

Client ID: WC01_18-19

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	340	92.	10
1,2-Dichlorobenzene	ND		ug/kg	1300	96.	10
1,3-Dichlorobenzene	ND		ug/kg	1300	99.	10
1,4-Dichlorobenzene	ND		ug/kg	1300	110	10
Methyl tert butyl ether	ND		ug/kg	1300	130	10
p/m-Xylene	ND		ug/kg	1300	380	10
o-Xylene	ND		ug/kg	670	190	10
Xylenes, Total	ND		ug/kg	670	190	10
cis-1,2-Dichloroethene	ND		ug/kg	670	120	10
Dibromomethane	ND		ug/kg	1300	160	10
Styrene	ND		ug/kg	670	130	10
Dichlorodifluoromethane	ND		ug/kg	6700	610	10
Acetone	ND		ug/kg	6700	3200	10
Carbon disulfide	ND		ug/kg	6700	3000	10
2-Butanone	ND		ug/kg	6700	1500	10
Vinyl acetate	ND		ug/kg	6700	1400	10
4-Methyl-2-pentanone	ND		ug/kg	6700	860	10
1,2,3-Trichloropropane	ND		ug/kg	1300	85.	10
2-Hexanone	ND		ug/kg	6700	790	10
Bromochloromethane	ND		ug/kg	1300	140	10
2,2-Dichloropropane	ND		ug/kg	1300	140	10
1,2-Dibromoethane	ND		ug/kg	670	190	10
1,3-Dichloropropane	ND		ug/kg	1300	110	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	340	88.	10
Bromobenzene	ND		ug/kg	1300	97.	10
n-Butylbenzene	6600		ug/kg	670	110	10
sec-Butylbenzene	1700		ug/kg	670	98.	10
tert-Butylbenzene	150	J	ug/kg	1300	79.	10
o-Chlorotoluene	ND		ug/kg	1300	130	10
p-Chlorotoluene	ND		ug/kg	1300	72.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	2000	670	10
Hexachlorobutadiene	ND		ug/kg	2700	110	10
Isopropylbenzene	2500		ug/kg	670	73.	10
p-Isopropyltoluene	1300		ug/kg	670	73.	10
Naphthalene	ND		ug/kg	2700	440	10
Acrylonitrile	ND		ug/kg	2700	770	10
Tert-Butyl Alcohol	ND		ug/kg	13000	3400	10

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-08 D

Date Collected: 10/29/18 11:11

Client ID: WC01_18-19

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	10000		ug/kg	670	110	10
1,2,3-Trichlorobenzene	ND		ug/kg	1300	220	10
1,2,4-Trichlorobenzene	ND		ug/kg	1300	180	10
1,3,5-Trimethylbenzene	160	J	ug/kg	1300	130	10
1,2,4-Trimethylbenzene	ND		ug/kg	1300	220	10
Methyl Acetate	ND		ug/kg	2700	640	10
Acrolein	18000		ug/kg	17000	3800	10
Cyclohexane	21000		ug/kg	6700	360	10
1,4-Dioxane	ND		ug/kg	67000	24000	10
Freon-113	ND		ug/kg	2700	460	10
p-Diethylbenzene	4800		ug/kg	1300	120	10
p-Ethyltoluene	2400		ug/kg	1300	260	10
1,2,4,5-Tetramethylbenzene	18000		ug/kg	1300	130	10
Ethyl ether	ND		ug/kg	1300	230	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	3400	950	10
Methyl cyclohexane	88000		ug/kg	2700	400	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	118		70-130
Dibromofluoromethane	94		70-130

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-09 D

Date Collected: 10/29/18 14:20

Client ID: WC07_11-12

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/02/18 11:10

Analyst: PK

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	620	280	2
1,1-Dichloroethane	ND		ug/kg	120	18.	2
Chloroform	17	J	ug/kg	180	17.	2
Carbon tetrachloride	ND		ug/kg	120	28.	2
1,2-Dichloropropane	ND		ug/kg	120	15.	2
Dibromochloromethane	ND		ug/kg	120	17.	2
1,1,2-Trichloroethane	ND		ug/kg	120	33.	2
Tetrachloroethene	ND		ug/kg	62	24.	2
Chlorobenzene	ND		ug/kg	62	16.	2
Trichlorofluoromethane	ND		ug/kg	490	86.	2
1,2-Dichloroethane	ND		ug/kg	120	32.	2
1,1,1-Trichloroethane	ND		ug/kg	62	20.	2
Bromodichloromethane	ND		ug/kg	62	13.	2
trans-1,3-Dichloropropene	ND		ug/kg	120	34.	2
cis-1,3-Dichloropropene	ND		ug/kg	62	19.	2
1,3-Dichloropropene, Total	ND		ug/kg	62	19.	2
1,1-Dichloropropene	ND		ug/kg	62	20.	2
Bromoform	ND		ug/kg	490	30.	2
1,1,2,2-Tetrachloroethane	ND		ug/kg	62	20.	2
Benzene	ND		ug/kg	62	20.	2
Toluene	ND		ug/kg	120	67.	2
Ethylbenzene	ND		ug/kg	120	17.	2
Chloromethane	ND		ug/kg	490	110	2
Bromomethane	ND		ug/kg	250	72.	2
Vinyl chloride	ND		ug/kg	120	41.	2
Chloroethane	ND		ug/kg	250	56.	2
1,1-Dichloroethene	ND		ug/kg	120	29.	2
trans-1,2-Dichloroethene	ND		ug/kg	180	17.	2

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-09 D

Date Collected: 10/29/18 14:20

Client ID: WC07_11-12

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	62	17.	2
1,2-Dichlorobenzene	ND		ug/kg	250	18.	2
1,3-Dichlorobenzene	ND		ug/kg	250	18.	2
1,4-Dichlorobenzene	ND		ug/kg	250	21.	2
Methyl tert butyl ether	ND		ug/kg	250	25.	2
p/m-Xylene	ND		ug/kg	250	69.	2
o-Xylene	ND		ug/kg	120	36.	2
Xylenes, Total	ND		ug/kg	120	36.	2
cis-1,2-Dichloroethene	ND		ug/kg	120	22.	2
Dibromomethane	ND		ug/kg	250	29.	2
Styrene	ND		ug/kg	120	24.	2
Dichlorodifluoromethane	ND		ug/kg	1200	110	2
Acetone	ND		ug/kg	1200	590	2
Carbon disulfide	ND		ug/kg	1200	560	2
2-Butanone	ND		ug/kg	1200	270	2
Vinyl acetate	ND		ug/kg	1200	260	2
4-Methyl-2-pentanone	ND		ug/kg	1200	160	2
1,2,3-Trichloropropane	ND		ug/kg	250	16.	2
2-Hexanone	ND		ug/kg	1200	140	2
Bromochloromethane	ND		ug/kg	250	25.	2
2,2-Dichloropropane	ND		ug/kg	250	25.	2
1,2-Dibromoethane	ND		ug/kg	120	34.	2
1,3-Dichloropropane	ND		ug/kg	250	20.	2
1,1,1,2-Tetrachloroethane	ND		ug/kg	62	16.	2
Bromobenzene	ND		ug/kg	250	18.	2
n-Butylbenzene	400		ug/kg	120	20.	2
sec-Butylbenzene	600		ug/kg	120	18.	2
tert-Butylbenzene	47	J	ug/kg	250	14.	2
o-Chlorotoluene	ND		ug/kg	250	24.	2
p-Chlorotoluene	ND		ug/kg	250	13.	2
1,2-Dibromo-3-chloropropane	ND		ug/kg	370	120	2
Hexachlorobutadiene	ND		ug/kg	490	21.	2
Isopropylbenzene	20	J	ug/kg	120	13.	2
p-Isopropyltoluene	ND		ug/kg	120	13.	2
Naphthalene	1100		ug/kg	490	80.	2
Acrylonitrile	ND		ug/kg	490	140	2
Tert-Butyl Alcohol	ND		ug/kg	2500	630	2

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-09 D

Date Collected: 10/29/18 14:20

Client ID: WC07_11-12

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	50	J	ug/kg	120	21.	2
1,2,3-Trichlorobenzene	ND		ug/kg	250	40.	2
1,2,4-Trichlorobenzene	ND		ug/kg	250	34.	2
1,3,5-Trimethylbenzene	ND		ug/kg	250	24.	2
1,2,4-Trimethylbenzene	ND		ug/kg	250	41.	2
Methyl Acetate	ND		ug/kg	490	120	2
Acrolein	ND		ug/kg	3100	690	2
Cyclohexane	ND		ug/kg	1200	67.	2
1,4-Dioxane	ND		ug/kg	12000	4300	2
Freon-113	ND		ug/kg	490	85.	2
p-Diethylbenzene	290		ug/kg	250	22.	2
p-Ethyltoluene	ND		ug/kg	250	47.	2
1,2,4,5-Tetramethylbenzene	1600		ug/kg	250	24.	2
Ethyl ether	ND		ug/kg	250	42.	2
trans-1,4-Dichloro-2-butene	ND		ug/kg	620	180	2
Methyl cyclohexane	ND		ug/kg	490	74.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/01/18 20:03

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-06 Batch: WG1175121-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/01/18 20:03

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-06 Batch: WG1175121-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.22	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/01/18 20:03

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-06 Batch: WG1175121-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/01/18 20:03

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 04-06 Batch: WG1175121-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 08:20

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1175371-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 08:20

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1175371-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 08:20

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1175371-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 08:20

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 07 Batch: WG1175371-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 07:52

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1175411-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 07:52

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1175411-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 07:52

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1175411-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/02/18 07:52

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 08-09 Batch: WG1175411-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-06 Batch: WG1175121-3 WG1175121-4								
Methylene chloride	89		88		70-130	1		30
1,1-Dichloroethane	100		97		70-130	3		30
Chloroform	108		110		70-130	2		30
Carbon tetrachloride	120		120		70-130	0		30
1,2-Dichloropropane	92		93		70-130	1		30
Dibromochloromethane	110		109		70-130	1		30
1,1,2-Trichloroethane	92		93		70-130	1		30
Tetrachloroethene	109		108		70-130	1		30
Chlorobenzene	103		102		70-130	1		30
Trichlorofluoromethane	125		124		70-139	1		30
1,2-Dichloroethane	116		115		70-130	1		30
1,1,1-Trichloroethane	124		127		70-130	2		30
Bromodichloromethane	116		116		70-130	0		30
trans-1,3-Dichloropropene	103		103		70-130	0		30
cis-1,3-Dichloropropene	105		106		70-130	1		30
1,1-Dichloropropene	109		109		70-130	0		30
Bromoform	108		104		70-130	4		30
1,1,2,2-Tetrachloroethane	87		87		70-130	0		30
Benzene	96		96		70-130	0		30
Toluene	100		99		70-130	1		30
Ethylbenzene	104		104		70-130	0		30
Chloromethane	73		73		52-130	0		30
Bromomethane	121		118		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-06 Batch: WG1175121-3 WG1175121-4								
Vinyl chloride	93		91		67-130	2		30
Chloroethane	121		116		50-151	4		30
1,1-Dichloroethene	101		102		65-135	1		30
trans-1,2-Dichloroethene	102		103		70-130	1		30
Trichloroethene	112		109		70-130	3		30
1,2-Dichlorobenzene	102		101		70-130	1		30
1,3-Dichlorobenzene	103		103		70-130	0		30
1,4-Dichlorobenzene	101		99		70-130	2		30
Methyl tert butyl ether	105		104		66-130	1		30
p/m-Xylene	106		106		70-130	0		30
o-Xylene	109		108		70-130	1		30
cis-1,2-Dichloroethene	103		102		70-130	1		30
Dibromomethane	106		103		70-130	3		30
Styrene	99		99		70-130	0		30
Dichlorodifluoromethane	68		66		30-146	3		30
Acetone	95		87		54-140	9		30
Carbon disulfide	84		84		59-130	0		30
2-Butanone	83		85		70-130	2		30
Vinyl acetate	89		90		70-130	1		30
4-Methyl-2-pentanone	80		83		70-130	4		30
1,2,3-Trichloropropane	95		90		68-130	5		30
2-Hexanone	75		77		70-130	3		30
Bromochloromethane	107		108		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-06 Batch: WG1175121-3 WG1175121-4								
2,2-Dichloropropane	118		118		70-130	0		30
1,2-Dibromoethane	101		100		70-130	1		30
1,3-Dichloropropane	93		94		69-130	1		30
1,1,1,2-Tetrachloroethane	112		115		70-130	3		30
Bromobenzene	102		103		70-130	1		30
n-Butylbenzene	103		102		70-130	1		30
sec-Butylbenzene	106		104		70-130	2		30
tert-Butylbenzene	110		109		70-130	1		30
o-Chlorotoluene	104		103		70-130	1		30
p-Chlorotoluene	102		103		70-130	1		30
1,2-Dibromo-3-chloropropane	92		89		68-130	3		30
Hexachlorobutadiene	111		112		67-130	1		30
Isopropylbenzene	106		106		70-130	0		30
p-Isopropyltoluene	111		110		70-130	1		30
Naphthalene	103		101		70-130	2		30
Acrylonitrile	88		86		70-130	2		30
Tert-Butyl Alcohol	105		102		70-130	3		30
n-Propylbenzene	102		101		70-130	1		30
1,2,3-Trichlorobenzene	104		101		70-130	3		30
1,2,4-Trichlorobenzene	107		104		70-130	3		30
1,3,5-Trimethylbenzene	108		106		70-130	2		30
1,2,4-Trimethylbenzene	109		110		70-130	1		30
Methyl Acetate	80		81		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 04-06 Batch: WG1175121-3 WG1175121-4								
Acrolein	84		82		70-130	2		30
Cyclohexane	96		97		59-142	1		30
1,4-Dioxane	104		104		65-136	0		30
Freon-113	111		110		50-139	1		30
p-Diethylbenzene	109		107		70-130	2		30
p-Ethyltoluene	107		107		70-130	0		30
1,2,4,5-Tetramethylbenzene	109		108		70-130	1		30
Ethyl ether	93		90		67-130	3		30
trans-1,4-Dichloro-2-butene	89		88		70-130	1		30
Methyl cyclohexane	98		98		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	115		116		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	102		99		70-130
Dibromofluoromethane	108		109		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1175371-3 WG1175371-4								
Methylene chloride	104		102		70-130	2		30
1,1-Dichloroethane	103		98		70-130	5		30
Chloroform	102		98		70-130	4		30
Carbon tetrachloride	87		86		70-130	1		30
1,2-Dichloropropane	102		100		70-130	2		30
Dibromochloromethane	79		80		70-130	1		30
1,1,2-Trichloroethane	104		103		70-130	1		30
Tetrachloroethene	84		82		70-130	2		30
Chlorobenzene	89		87		70-130	2		30
Trichlorofluoromethane	143	Q	142	Q	70-139	1		30
1,2-Dichloroethane	95		93		70-130	2		30
1,1,1-Trichloroethane	90		87		70-130	3		30
Bromodichloromethane	91		90		70-130	1		30
trans-1,3-Dichloropropene	92		92		70-130	0		30
cis-1,3-Dichloropropene	92		91		70-130	1		30
1,1-Dichloropropene	96		93		70-130	3		30
Bromoform	75		77		70-130	3		30
1,1,2,2-Tetrachloroethane	101		100		70-130	1		30
Benzene	113		109		70-130	4		30
Toluene	100		98		70-130	2		30
Ethylbenzene	101		98		70-130	3		30
Chloromethane	83		94		52-130	12		30
Bromomethane	143		151	Q	57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1175371-3 WG1175371-4								
Vinyl chloride	127		120		67-130	6		30
Chloroethane	156	Q	151		50-151	3		30
1,1-Dichloroethene	102		94		65-135	8		30
trans-1,2-Dichloroethene	100		96		70-130	4		30
Trichloroethene	96		93		70-130	3		30
1,2-Dichlorobenzene	91		88		70-130	3		30
1,3-Dichlorobenzene	91		89		70-130	2		30
1,4-Dichlorobenzene	92		90		70-130	2		30
Methyl tert butyl ether	88		87		66-130	1		30
p/m-Xylene	96		94		70-130	2		30
o-Xylene	89		86		70-130	3		30
cis-1,2-Dichloroethene	100		97		70-130	3		30
Dibromomethane	98		95		70-130	3		30
Styrene	88		87		70-130	1		30
Dichlorodifluoromethane	77		73		30-146	5		30
Acetone	124		121		54-140	2		30
Carbon disulfide	93		89		59-130	4		30
2-Butanone	79		79		70-130	0		30
Vinyl acetate	64	Q	61	Q	70-130	5		30
4-Methyl-2-pentanone	84		85		70-130	1		30
1,2,3-Trichloropropane	100		103		68-130	3		30
2-Hexanone	76		75		70-130	1		30
Bromochloromethane	93		91		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1175371-3 WG1175371-4								
2,2-Dichloropropane	92		89		70-130	3		30
1,2-Dibromoethane	94		93		70-130	1		30
1,3-Dichloropropane	103		101		69-130	2		30
1,1,1,2-Tetrachloroethane	80		81		70-130	1		30
Bromobenzene	87		85		70-130	2		30
n-Butylbenzene	107		106		70-130	1		30
sec-Butylbenzene	99		98		70-130	1		30
tert-Butylbenzene	92		90		70-130	2		30
o-Chlorotoluene	104		101		70-130	3		30
p-Chlorotoluene	98		95		70-130	3		30
1,2-Dibromo-3-chloropropane	79		82		68-130	4		30
Hexachlorobutadiene	85		83		67-130	2		30
Isopropylbenzene	97		95		70-130	2		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	86		86		70-130	0		30
Acrylonitrile	106		103		70-130	3		30
Tert-Butyl Alcohol	78		78		70-130	0		30
n-Propylbenzene	103		101		70-130	2		30
1,2,3-Trichlorobenzene	86		86		70-130	0		30
1,2,4-Trichlorobenzene	87		86		70-130	1		30
1,3,5-Trimethylbenzene	96		94		70-130	2		30
1,2,4-Trimethylbenzene	97		94		70-130	3		30
Methyl Acetate	95		93		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 07 Batch: WG1175371-3 WG1175371-4								
Acrolein	72		69	Q	70-130	4		30
Cyclohexane	90		85		59-142	6		30
1,4-Dioxane	110		109		65-136	1		30
Freon-113	94		91		50-139	3		30
p-Diethylbenzene	90		88		70-130	2		30
p-Ethyltoluene	93		92		70-130	1		30
1,2,4,5-Tetramethylbenzene	86		84		70-130	2		30
Ethyl ether	138	Q	142	Q	67-130	3		30
trans-1,4-Dichloro-2-butene	78		79		70-130	1		30
Methyl cyclohexane	94		93		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	98		97		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	96		96		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1175411-3 WG1175411-4								
Methylene chloride	79		81		70-130	3		30
1,1-Dichloroethane	92		91		70-130	1		30
Chloroform	89		90		70-130	1		30
Carbon tetrachloride	90		91		70-130	1		30
1,2-Dichloropropane	94		93		70-130	1		30
Dibromochloromethane	88		91		70-130	3		30
1,1,2-Trichloroethane	90		94		70-130	4		30
Tetrachloroethene	92		91		70-130	1		30
Chlorobenzene	91		93		70-130	2		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	89		92		70-130	3		30
1,1,1-Trichloroethane	92		93		70-130	1		30
Bromodichloromethane	88		93		70-130	6		30
trans-1,3-Dichloropropene	93		95		70-130	2		30
cis-1,3-Dichloropropene	93		95		70-130	2		30
1,1-Dichloropropene	94		93		70-130	1		30
Bromoform	84		87		70-130	4		30
1,1,2,2-Tetrachloroethane	91		97		70-130	6		30
Benzene	90		91		70-130	1		30
Toluene	92		92		70-130	0		30
Ethylbenzene	94		93		70-130	1		30
Chloromethane	86		85		52-130	1		30
Bromomethane	85		85		57-147	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1175411-3 WG1175411-4								
Vinyl chloride	91		89		67-130	2		30
Chloroethane	87		88		50-151	1		30
1,1-Dichloroethene	88		90		65-135	2		30
trans-1,2-Dichloroethene	88		89		70-130	1		30
Trichloroethene	91		90		70-130	1		30
1,2-Dichlorobenzene	90		92		70-130	2		30
1,3-Dichlorobenzene	92		92		70-130	0		30
1,4-Dichlorobenzene	91		92		70-130	1		30
Methyl tert butyl ether	91		95		66-130	4		30
p/m-Xylene	92		92		70-130	0		30
o-Xylene	93		94		70-130	1		30
cis-1,2-Dichloroethene	90		91		70-130	1		30
Dibromomethane	88		91		70-130	3		30
Styrene	82		82		70-130	0		30
Dichlorodifluoromethane	74		73		30-146	1		30
Acetone	98		104		54-140	6		30
Carbon disulfide	83		83		59-130	0		30
2-Butanone	93		97		70-130	4		30
Vinyl acetate	88		94		70-130	7		30
4-Methyl-2-pentanone	86		92		70-130	7		30
1,2,3-Trichloropropane	87		91		68-130	4		30
2-Hexanone	91		98		70-130	7		30
Bromochloromethane	89		92		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1175411-3 WG1175411-4								
2,2-Dichloropropane	94		95		70-130	1		30
1,2-Dibromoethane	88		93		70-130	6		30
1,3-Dichloropropane	93		95		69-130	2		30
1,1,1,2-Tetrachloroethane	93		94		70-130	1		30
Bromobenzene	90		91		70-130	1		30
n-Butylbenzene	96		93		70-130	3		30
sec-Butylbenzene	95		94		70-130	1		30
tert-Butylbenzene	93		92		70-130	1		30
o-Chlorotoluene	93		92		70-130	1		30
p-Chlorotoluene	94		93		70-130	1		30
1,2-Dibromo-3-chloropropane	83		88		68-130	6		30
Hexachlorobutadiene	90		87		67-130	3		30
Isopropylbenzene	95		94		70-130	1		30
p-Isopropyltoluene	94		93		70-130	1		30
Naphthalene	91		96		70-130	5		30
Acrylonitrile	89		95		70-130	7		30
Tert-Butyl Alcohol	88		93		70-130	6		30
n-Propylbenzene	94		93		70-130	1		30
1,2,3-Trichlorobenzene	92		94		70-130	2		30
1,2,4-Trichlorobenzene	94		94		70-130	0		30
1,3,5-Trimethylbenzene	94		93		70-130	1		30
1,2,4-Trimethylbenzene	94		94		70-130	0		30
Methyl Acetate	93		100		51-146	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 08-09 Batch: WG1175411-3 WG1175411-4								
Acrolein	80		85		70-130	6		30
Cyclohexane	90		90		59-142	0		30
1,4-Dioxane	83		90		65-136	8		30
Freon-113	89		90		50-139	1		30
p-Diethylbenzene	91		90		70-130	1		30
p-Ethyltoluene	94		93		70-130	1		30
1,2,4,5-Tetramethylbenzene	93		93		70-130	0		30
Ethyl ether	93		92		67-130	1		30
trans-1,4-Dichloro-2-butene	90		98		70-130	9		30
Methyl cyclohexane	87		87		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		105		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	98		101		70-130

SEMIVOLATILES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 20:39
Analyst: KR
Percent Solids: 84%
TCLP/SPLP Ext. Date: 10/30/18 16:15

Extraction Method: EPA 3510C
Extraction Date: 11/03/18 15:26

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	80		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	82		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	81		33-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/01/18 17:07
Analyst: RC
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Benzidine	ND		ug/kg	640	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	52.	1
2,4-Dinitrotoluene	ND		ug/kg	190	39.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	19.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	31.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	ND		ug/kg	190	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-01**Date Collected:** 10/29/18 12:00**Client ID:** COMP0102_14-20**Date Received:** 10/29/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	37.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	38.	1
3-Nitroaniline	ND		ug/kg	190	37.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	73.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	93.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	630	200	1
Benzyl Alcohol	ND		ug/kg	190	60.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	160	68.	1
Benzaldehyde	ND		ug/kg	260	52.	1
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		25-120
Phenol-d6	65		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	71		10-136
4-Terphenyl-d14	49		18-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/01/18 17:31
Analyst: RC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	2200		ug/kg	150	20.	1
Benzidine	ND		ug/kg	620	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	32.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	14000	E	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	24.	1
Naphthalene	1100		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-02
 Client ID: COMP01_0-14
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
 Date Received: 10/29/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	9200	E	ug/kg	110	21.	1
Benzo(a)pyrene	7200		ug/kg	150	46.	1
Benzo(b)fluoranthene	9700	E	ug/kg	110	32.	1
Benzo(k)fluoranthene	2800		ug/kg	110	30.	1
Chrysene	7900	E	ug/kg	110	20.	1
Acenaphthylene	1100		ug/kg	150	29.	1
Anthracene	5000		ug/kg	110	37.	1
Benzo(ghi)perylene	5200		ug/kg	150	22.	1
Fluorene	2100		ug/kg	190	18.	1
Phenanthrene	14000	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	1100		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	5600		ug/kg	150	26.	1
Pyrene	12000	E	ug/kg	110	19.	1
Biphenyl	300	J	ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	36.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	78.	1
Dibenzofuran	1500		ug/kg	190	18.	1
2-Methylnaphthalene	590		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	23.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	62.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	52	J	ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	99	J	ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	610	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	1700		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	86		10-136
4-Terphenyl-d14	61		18-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02 D
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/06/18 02:42
Analyst: RC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	22000		ug/kg	450	87.	4
Benzo(a)anthracene	9000		ug/kg	450	85.	4
Benzo(b)fluoranthene	10000		ug/kg	450	130	4
Chrysene	8100		ug/kg	450	79.	4
Phenanthrene	19000		ug/kg	450	92.	4
Pyrene	19000		ug/kg	450	75.	4

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/01/18 17:55
Analyst: RC
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:10

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	240		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	3600		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	290		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-03
 Client ID: COMP02_0-14
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
 Date Received: 10/29/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	1700		ug/kg	120	22.	1
Benzo(a)pyrene	1500		ug/kg	150	47.	1
Benzo(b)fluoranthene	2100		ug/kg	120	32.	1
Benzo(k)fluoranthene	680		ug/kg	120	31.	1
Chrysene	1800		ug/kg	120	20.	1
Acenaphthylene	480		ug/kg	150	30.	1
Anthracene	810		ug/kg	120	37.	1
Benzo(ghi)perylene	1200		ug/kg	150	22.	1
Fluorene	260		ug/kg	190	19.	1
Phenanthrene	3500		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	250		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	1300		ug/kg	150	27.	1
Pyrene	3000		ug/kg	120	19.	1
Biphenyl	52	J	ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	300		ug/kg	190	18.	1
2-Methylnaphthalene	130	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	42	J	ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	460		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	90		23-120
2-Fluorobiphenyl	90		30-120
2,4,6-Tribromophenol	79		10-136
4-Terphenyl-d14	68		18-120

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/30/18 09:45
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1173625-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/30/18 09:45
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1173625-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 10/30/18 09:45
 Analyst: JG

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 01:59

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-03 Batch: WG1173625-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	96		25-120
Phenol-d6	94		10-120
Nitrobenzene-d5	95		23-120
2-Fluorobiphenyl	111		30-120
2,4,6-Tribromophenol	107		10-136
4-Terphenyl-d14	126	Q	18-120

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/18 19:25
 Analyst: KR
 TCLP/SPLP Extraction Date: 10/30/18 16:15

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 15:25

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1175717-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	78		21-120
Phenol-d6	78		10-120
Nitrobenzene-d5	78		23-120
2-Fluorobiphenyl	81		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	81		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1173625-2 WG1173625-3								
Acenaphthene	109		89		31-137	20		50
Benzidine	17		12		10-66	34		50
1,2,4-Trichlorobenzene	89		81		38-107	9		50
Hexachlorobenzene	98		88		40-140	11		50
Bis(2-chloroethyl)ether	93		79		40-140	16		50
2-Chloronaphthalene	108		84		40-140	25		50
1,2-Dichlorobenzene	88		80		40-140	10		50
1,3-Dichlorobenzene	87		79		40-140	10		50
1,4-Dichlorobenzene	88		78		28-104	12		50
3,3'-Dichlorobenzidine	68		54		40-140	23		50
2,4-Dinitrotoluene	115		95		40-132	19		50
2,6-Dinitrotoluene	118		91		40-140	26		50
Azobenzene	95		76		40-140	22		50
Fluoranthene	109		89		40-140	20		50
4-Chlorophenyl phenyl ether	98		85		40-140	14		50
4-Bromophenyl phenyl ether	100		87		40-140	14		50
Bis(2-chloroisopropyl)ether	97		73		40-140	28		50
Bis(2-chloroethoxy)methane	93		80		40-117	15		50
Hexachlorobutadiene	95		87		40-140	9		50
Hexachlorocyclopentadiene	110		85		40-140	26		50
Hexachloroethane	90		76		40-140	17		50
Isophorone	88		76		40-140	15		50
Naphthalene	95		82		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1173625-2 WG1173625-3								
Nitrobenzene	89		77		40-140	14		50
NDPA/DPA	98		84		36-157	15		50
n-Nitrosodi-n-propylamine	97		78		32-121	22		50
Bis(2-ethylhexyl)phthalate	109		93		40-140	16		50
Butyl benzyl phthalate	110		88		40-140	22		50
Di-n-butylphthalate	108		91		40-140	17		50
Di-n-octylphthalate	105		90		40-140	15		50
Diethyl phthalate	96		83		40-140	15		50
Dimethyl phthalate	111		85		40-140	27		50
Benzo(a)anthracene	101		85		40-140	17		50
Benzo(a)pyrene	107		93		40-140	14		50
Benzo(b)fluoranthene	104		94		40-140	10		50
Benzo(k)fluoranthene	111		94		40-140	17		50
Chrysene	103		86		40-140	18		50
Acenaphthylene	109		86		40-140	24		50
Anthracene	105		89		40-140	16		50
Benzo(ghi)perylene	112		93		40-140	19		50
Fluorene	94		82		40-140	14		50
Phenanthrene	101		85		40-140	17		50
Dibenzo(a,h)anthracene	110		92		40-140	18		50
Indeno(1,2,3-cd)pyrene	105		92		40-140	13		50
Pyrene	106		89		35-142	17		50
Biphenyl	109	Q	86		54-104	24		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1173625-2 WG1173625-3								
4-Chloroaniline	63		29	Q	40-140	74	Q	50
2-Nitroaniline	116		90		47-134	25		50
3-Nitroaniline	81		65		26-129	22		50
4-Nitroaniline	95		80		41-125	17		50
Dibenzofuran	102		84		40-140	19		50
2-Methylnaphthalene	106		83		40-140	24		50
1,2,4,5-Tetrachlorobenzene	110		85		40-117	26		50
Acetophenone	95		80		14-144	17		50
n-Nitrosodimethylamine	84		74		22-100	13		50
2,4,6-Trichlorophenol	113		88		30-130	25		50
p-Chloro-m-cresol	113	Q	88		26-103	25		50
2-Chlorophenol	96		84		25-102	13		50
2,4-Dichlorophenol	100		87		30-130	14		50
2,4-Dimethylphenol	97		84		30-130	14		50
2-Nitrophenol	100		90		30-130	11		50
4-Nitrophenol	113		82		11-114	32		50
2,4-Dinitrophenol	89		72		4-130	21		50
4,6-Dinitro-o-cresol	96		81		10-130	17		50
Pentachlorophenol	107		94		17-109	13		50
Phenol	94	Q	82		26-90	14		50
2-Methylphenol	96		83		30-130	15		50
3-Methylphenol/4-Methylphenol	98		85		30-130	14		50
2,4,5-Trichlorophenol	121		93		30-130	26		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-03 Batch: WG1173625-2 WG1173625-3								
Benzoic Acid	25		21		10-110	17		50
Benzyl Alcohol	97		80		40-140	19		50
Carbazole	102		87		54-128	16		50
Atrazine	108		92		40-140	16		50
Benzaldehyde	74		67		40-140	10		50
Caprolactam	92		72		15-130	24		50
2,3,4,6-Tetrachlorophenol	113		92		40-140	20		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	93		83		25-120
Phenol-d6	93		81		10-120
Nitrobenzene-d5	90		81		23-120
2-Fluorobiphenyl	109		84		30-120
2,4,6-Tribromophenol	102		92		10-136
4-Terphenyl-d14	109		91		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1175717-2 WG1175717-3								
Hexachlorobenzene	75		75		40-140	0		30
2,4-Dinitrotoluene	96		96		40-132	0		30
Hexachlorobutadiene	66		63		28-111	5		30
Hexachloroethane	65		63		21-105	3		30
Nitrobenzene	78		76		40-140	3		30
2,4,6-Trichlorophenol	92		89		30-130	3		30
Pentachlorophenol	68		69		9-103	1		30
2-Methylphenol	85		84		30-130	1		30
3-Methylphenol/4-Methylphenol	88		85		30-130	3		30
2,4,5-Trichlorophenol	91		92		30-130	1		30
Pyridine	66		64		10-66	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		78		21-120
Phenol-d6	81		78		10-120
Nitrobenzene-d5	80		78		23-120
2-Fluorobiphenyl	82		80		15-120
2,4,6-Tribromophenol	80		80		10-120
4-Terphenyl-d14	77		77		33-120

PETROLEUM HYDROCARBONS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-04
Client ID: WC02_10-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 10:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/31/18 02:48
Analyst: MEO
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	57.4		mg/kg	30.8	30.8	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	87			40-140		
o-Terphenyl	87			40-140		

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-05
Client ID: WC03_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:30
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/31/18 03:16
Analyst: MEO
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.2	28.2	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	82			40-140		
o-Terphenyl	82			40-140		

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-06
Client ID: WC04_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 08:40
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 10/31/18 03:44
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.4	28.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	80			40-140		
o-Terphenyl	80			40-140		

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-07 D
Client ID: WC08_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 13:15
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 22:05
Analyst: DG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:07

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	1760		mg/kg	50.4	50.4	2
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	61			40-140		
o-Terphenyl	57			40-140		

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH

Extraction Method: EPA 3546

Analytical Date: 10/31/18 02:20

Extraction Date: 10/30/18 11:07

Analyst: DG

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 04-07 Batch: WG1173855-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	87		40-140

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-07 Batch: WG1173855-2 WG1173855-3								
Total EPH	83		88		40-140	6		25
Nonane (C9)	62		64		40-140	3		25
Decane (C10)	71		74		40-140	4		25
Dodecane (C12)	70		72		40-140	3		25
Tetradecane (C14)	72		74		40-140	3		25
Hexadecane (C16)	75		79		40-140	5		25
Octadecane (C18)	80		83		40-140	4		25
Eicosane (C20)	79		82		40-140	4		25
Heneicosane (C21)	79		82		40-140	4		25
Docosane (C22)	79		83		40-140	5		25
Tetracosane (C24)	79		82		40-140	4		25
Hexacosane (C26)	78		82		40-140	5		25
Octacosane (C28)	78		81		40-140	4		25
Triacontane (C30)	79		83		40-140	5		25
Dotriacontane (C32)	80		84		40-140	5		25
Tetratriacontane (C34)	77		82		40-140	6		25
Hexatriacontane (C36)	77		83		40-140	8		25
Octatriacontane (C38)	70		78		40-140	11		25
Tetracontane (C40)	71		82		40-140	14		25

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-07 Batch: WG1173855-2 WG1173855-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	81		83		40-140
o-Terphenyl	81		83		40-140

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample												
Associated sample(s): 04-07				QC Batch ID: WG1173855-4		QC Sample: L1843937-01		Client ID:				
Total EPH	ND	334	321	96	-	-	-	-	40-140	-	-	50
Nonane (C9)	ND	9.28	6.21	67	-	-	-	-	40-140	-	-	50
Decane (C10)	ND	9.28	7.36	79	-	-	-	-	40-140	-	-	50
Dodecane (C12)	ND	9.28	7.09	76	-	-	-	-	40-140	-	-	50
Tetradecane (C14)	ND	9.28	7.28	79	-	-	-	-	40-140	-	-	50
Hexadecane (C16)	ND	9.28	7.89	85	-	-	-	-	40-140	-	-	50
Octadecane (C18)	ND	9.28	8.47	91	-	-	-	-	40-140	-	-	50
Eicosane (C20)	ND	9.28	8.32	90	-	-	-	-	40-140	-	-	50
Heneicosane (C21)	ND	9.28	8.28	89	-	-	-	-	40-140	-	-	50
Docosane (C22)	ND	9.28	8.35	90	-	-	-	-	40-140	-	-	50
Tetracosane (C24)	ND	9.28	8.32	90	-	-	-	-	40-140	-	-	50
Hexacosane (C26)	ND	9.28	8.27	89	-	-	-	-	40-140	-	-	50
Octacosane (C28)	ND	9.28	8.24	89	-	-	-	-	40-140	-	-	50
triacontane (C30)	ND	9.28	8.39	90	-	-	-	-	40-140	-	-	50
Dotriacontane (C32)	ND	9.28	8.44	91	-	-	-	-	40-140	-	-	50
Tetratriacontane (C34)	ND	9.28	8.09	87	-	-	-	-	40-140	-	-	50
Hexatriacontane (C36)	ND	9.28	8.21	89	-	-	-	-	40-140	-	-	50
Octatriacontane (C38)	ND	9.28	7.72	83	-	-	-	-	40-140	-	-	50
Tetracontane (C40)	ND	9.28	7.98	86	-	-	-	-	40-140	-	-	50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	89				40-140

Matrix Spike Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample Associated sample(s): 04-07 QC Batch ID: WG1173855-4 QC Sample: L1843937-01 Client ID:												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	90				40-140

Lab Duplicate Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-07 QC Batch ID: WG1173855-5 QC Sample: L1843937-01 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	84		85		40-140
o-Terphenyl	84		85		40-140

PCBS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/03/18 01:28
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 10:15
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	39.1	3.47	1	A
Aroclor 1221	ND		ug/kg	39.1	3.91	1	A
Aroclor 1232	ND		ug/kg	39.1	8.28	1	A
Aroclor 1242	ND		ug/kg	39.1	5.26	1	A
Aroclor 1248	ND		ug/kg	39.1	5.86	1	A
Aroclor 1254	ND		ug/kg	39.1	4.27	1	A
Aroclor 1260	ND		ug/kg	39.1	7.22	1	A
Aroclor 1262	ND		ug/kg	39.1	4.96	1	A
Aroclor 1268	ND		ug/kg	39.1	4.05	1	A
PCBs, Total	ND		ug/kg	39.1	3.47	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	A
Decachlorobiphenyl	42		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/03/18 00:26
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 10:15
Cleanup Method: EPA 3665A
Cleanup Date: 10/31/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.4	3.32	1	A
Aroclor 1221	ND		ug/kg	37.4	3.75	1	A
Aroclor 1232	ND		ug/kg	37.4	7.94	1	A
Aroclor 1242	ND		ug/kg	37.4	5.05	1	A
Aroclor 1248	ND		ug/kg	37.4	5.62	1	A
Aroclor 1254	ND		ug/kg	37.4	4.10	1	A
Aroclor 1260	ND		ug/kg	37.4	6.92	1	A
Aroclor 1262	ND		ug/kg	37.4	4.75	1	A
Aroclor 1268	ND		ug/kg	37.4	3.88	1	A
PCBs, Total	ND		ug/kg	37.4	3.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	49		30-150	A
Decachlorobiphenyl	39		30-150	A
2,4,5,6-Tetrachloro-m-xylene	49		30-150	B
Decachlorobiphenyl	43		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/03/18 00:38
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 10:15
Cleanup Method: EPA 3665A
Cleanup Date: 10/30/18
Cleanup Method: EPA 3660B
Cleanup Date: 10/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.9	3.36	1	A
Aroclor 1221	ND		ug/kg	37.9	3.80	1	A
Aroclor 1232	ND		ug/kg	37.9	8.03	1	A
Aroclor 1242	ND		ug/kg	37.9	5.11	1	A
Aroclor 1248	ND		ug/kg	37.9	5.68	1	A
Aroclor 1254	ND		ug/kg	37.9	4.14	1	A
Aroclor 1260	ND		ug/kg	37.9	7.00	1	A
Aroclor 1262	ND		ug/kg	37.9	4.81	1	A
Aroclor 1268	ND		ug/kg	37.9	3.92	1	A
PCBs, Total	ND		ug/kg	37.9	3.36	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	A
Decachlorobiphenyl	49		30-150	A
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	55		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 10/30/18 08:38
 Analyst: WR

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 02:50
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/30/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/30/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01-03 Batch: WG1173645-1						
Aroclor 1016	ND		ug/kg	32.3	2.87	A
Aroclor 1221	ND		ug/kg	32.3	3.24	A
Aroclor 1232	ND		ug/kg	32.3	6.85	A
Aroclor 1242	ND		ug/kg	32.3	4.36	A
Aroclor 1248	ND		ug/kg	32.3	4.85	A
Aroclor 1254	ND		ug/kg	32.3	3.54	A
Aroclor 1260	ND		ug/kg	32.3	5.97	A
Aroclor 1262	ND		ug/kg	32.3	4.10	A
Aroclor 1268	ND		ug/kg	32.3	3.35	A
PCBs, Total	ND		ug/kg	32.3	2.87	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	54		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	54		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1173645-2 WG1173645-3									
Aroclor 1016	79		64		40-140	21		50	A
Aroclor 1260	74		60		40-140	21		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		64		30-150	A
Decachlorobiphenyl	62		53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		64		30-150	B
Decachlorobiphenyl	63		53		30-150	B

PESTICIDES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/04/18 18:06
Analyst: SL
Percent Solids: 84%
TCLP/SPLP Ext. Date: 10/30/18 16:15

Extraction Method: EPA 3510C
Extraction Date: 11/03/18 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	70		30-150	A
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 15:44
Analyst: KB
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:30
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.86	0.365	1	A
Lindane	ND		ug/kg	0.776	0.347	1	A
Alpha-BHC	ND		ug/kg	0.776	0.220	1	A
Beta-BHC	ND		ug/kg	1.86	0.706	1	A
Heptachlor	ND		ug/kg	0.931	0.418	1	A
Aldrin	ND		ug/kg	1.86	0.656	1	A
Heptachlor epoxide	ND		ug/kg	3.49	1.05	1	A
Endrin	ND		ug/kg	0.776	0.318	1	A
Endrin aldehyde	ND		ug/kg	2.33	0.815	1	A
Endrin ketone	ND		ug/kg	1.86	0.480	1	A
Dieldrin	ND		ug/kg	1.16	0.582	1	A
4,4'-DDE	ND		ug/kg	1.86	0.431	1	A
4,4'-DDD	ND		ug/kg	1.86	0.664	1	A
4,4'-DDT	ND		ug/kg	3.49	1.50	1	A
Endosulfan I	ND		ug/kg	1.86	0.440	1	A
Endosulfan II	ND		ug/kg	1.86	0.622	1	A
Endosulfan sulfate	ND		ug/kg	0.776	0.369	1	A
Methoxychlor	ND		ug/kg	3.49	1.09	1	A
Toxaphene	ND		ug/kg	34.9	9.78	1	A
cis-Chlordane	ND		ug/kg	2.33	0.649	1	A
trans-Chlordane	ND		ug/kg	2.33	0.615	1	A
Chlordane	ND		ug/kg	15.1	6.17	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	107		30-150	B
2,4,5,6-Tetrachloro-m-xylene	103		30-150	A
Decachlorobiphenyl	76		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/01/18 21:14
Analyst: DGM
Percent Solids: 84%
TCLP/SPLP Ext. Date: 10/30/18 16:15
Methylation Date: 11/01/18 06:15

Extraction Method: EPA 8151A
Extraction Date: 10/31/18 15:14

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	49		30-150	A
DCAA	41		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/04/18 13:21
Analyst: DGM
Percent Solids: 84%
Methylation Date: 11/03/18 19:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 15:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.97	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	108		30-150	A
DCAA	88		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 15:56
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:30
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	1.96		ug/kg	1.80	0.352	1	B
Lindane	ND		ug/kg	0.748	0.334	1	A
Alpha-BHC	ND		ug/kg	0.748	0.212	1	A
Beta-BHC	ND		ug/kg	1.80	0.681	1	A
Heptachlor	7.47		ug/kg	0.898	0.402	1	A
Aldrin	ND		ug/kg	1.80	0.632	1	A
Heptachlor epoxide	1.43	JPI	ug/kg	3.37	1.01	1	B
Endrin	ND		ug/kg	0.748	0.307	1	A
Endrin aldehyde	ND		ug/kg	2.24	0.786	1	A
Endrin ketone	ND		ug/kg	1.80	0.462	1	A
Dieldrin	ND		ug/kg	1.12	0.561	1	A
4,4'-DDE	25.3	P	ug/kg	1.80	0.415	1	A
4,4'-DDD	13.4		ug/kg	1.80	0.640	1	B
4,4'-DDT	126		ug/kg	3.37	1.44	1	A
Endosulfan I	ND		ug/kg	1.80	0.424	1	A
Endosulfan II	ND		ug/kg	1.80	0.600	1	A
Endosulfan sulfate	ND		ug/kg	0.748	0.356	1	A
Methoxychlor	ND		ug/kg	3.37	1.05	1	A
Toxaphene	ND		ug/kg	33.7	9.43	1	A
cis-Chlordane	22.7		ug/kg	2.24	0.626	1	B
trans-Chlordane	25.4	P	ug/kg	2.24	0.593	1	A
Chlordane	241		ug/kg	14.6	5.95	1	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	71		30-150	B
Decachlorobiphenyl	105		30-150	B
2,4,5,6-Tetrachloro-m-xylene	104		30-150	A
Decachlorobiphenyl	138		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02
Client ID: COMP01_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/04/18 13:59
Analyst: DGM
Percent Solids: 87%
Methylation Date: 11/03/18 19:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 15:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	5.83	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	87		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 16:09
Analyst: KB
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 10/30/18 11:30
Cleanup Method: EPA 3620B
Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.84	0.361	1	A
Lindane	ND		ug/kg	0.768	0.343	1	A
Alpha-BHC	ND		ug/kg	0.768	0.218	1	A
Beta-BHC	ND		ug/kg	1.84	0.699	1	A
Heptachlor	ND		ug/kg	0.922	0.413	1	A
Aldrin	ND		ug/kg	1.84	0.649	1	A
Heptachlor epoxide	ND		ug/kg	3.46	1.04	1	A
Endrin	ND		ug/kg	0.768	0.315	1	A
Endrin aldehyde	ND		ug/kg	2.30	0.807	1	A
Endrin ketone	ND		ug/kg	1.84	0.475	1	A
Dieldrin	ND		ug/kg	1.15	0.576	1	A
4,4'-DDE	12.0		ug/kg	1.84	0.426	1	A
4,4'-DDD	8.49		ug/kg	1.84	0.658	1	B
4,4'-DDT	39.3	P	ug/kg	3.46	1.48	1	A
Endosulfan I	ND		ug/kg	1.84	0.436	1	A
Endosulfan II	ND		ug/kg	1.84	0.616	1	A
Endosulfan sulfate	ND		ug/kg	0.768	0.366	1	A
Methoxychlor	ND		ug/kg	3.46	1.08	1	A
Toxaphene	ND		ug/kg	34.6	9.68	1	A
cis-Chlordane	1.66	J	ug/kg	2.30	0.642	1	B
trans-Chlordane	ND		ug/kg	2.30	0.608	1	A
Chlordane	ND		ug/kg	15.0	6.11	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	97		30-150	B
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	87		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03
Client ID: COMP02_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/04/18 14:18
Analyst: DGM
Percent Solids: 87%
Methylation Date: 11/03/18 19:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 15:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	188	11.8	1	A
2,4,5-T	ND		ug/kg	188	5.82	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.00	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	117		30-150	A
DCAA	87		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 02:53
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 11:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1173871-1						
Delta-BHC	ND		ug/kg	1.54	0.303	A
Lindane	ND		ug/kg	0.644	0.288	A
Alpha-BHC	ND		ug/kg	0.644	0.183	A
Beta-BHC	ND		ug/kg	1.54	0.586	A
Heptachlor	ND		ug/kg	0.773	0.346	A
Aldrin	ND		ug/kg	1.54	0.544	A
Heptachlor epoxide	ND		ug/kg	2.90	0.869	A
Endrin	ND		ug/kg	0.644	0.264	A
Endrin aldehyde	ND		ug/kg	1.93	0.676	A
Endrin ketone	ND		ug/kg	1.54	0.398	A
Dieldrin	ND		ug/kg	0.966	0.483	A
4,4'-DDE	ND		ug/kg	1.54	0.357	A
4,4'-DDD	ND		ug/kg	1.54	0.551	A
4,4'-DDT	ND		ug/kg	2.90	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.365	A
Endosulfan II	ND		ug/kg	1.54	0.516	A
Endosulfan sulfate	ND		ug/kg	0.644	0.306	A
Methoxychlor	ND		ug/kg	2.90	0.901	A
Toxaphene	ND		ug/kg	29.0	8.11	A
cis-Chlordane	ND		ug/kg	1.93	0.538	A
trans-Chlordane	ND		ug/kg	1.93	0.510	A
Chlordane	ND		ug/kg	12.6	5.12	A

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 02:53
 Analyst: KB

Extraction Method: EPA 3546
 Extraction Date: 10/30/18 11:30
 Cleanup Method: EPA 3620B
 Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1173871-1						

Surrogate	%Recovery	Qualifier	Acceptance	
			Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	83		30-150	A
Decachlorobiphenyl	79		30-150	A

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/01/18 19:59
 Analyst: KEG
 TCLP/SPLP Extraction Date: 10/30/18 16:15
 Methylation Date: 11/01/18 05:32

Extraction Method: EPA 8151A
 Extraction Date: 10/31/18 15:14

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1174461-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	51		30-150	A
DCAA	44		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/02/18 12:57
 Analyst: DGM

Extraction Method: EPA 8151A
 Extraction Date: 11/01/18 16:05

Methylation Date: 11/02/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01-03 Batch: WG1174953-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	88		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/18 17:29
 Analyst: SL
 TCLP/SPLP Extraction Date: 10/30/18 16:15

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 15:27

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 01 Batch: WG1175719-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	97		30-150	B

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1173871-2 WG1173871-3									
Delta-BHC	68		83		30-150	20		30	A
Lindane	68		81		30-150	17		30	A
Alpha-BHC	71		83		30-150	16		30	A
Beta-BHC	72		87		30-150	19		30	A
Heptachlor	74		91		30-150	21		30	A
Aldrin	62		78		30-150	23		30	A
Heptachlor epoxide	75		94		30-150	22		30	A
Endrin	72		91		30-150	23		30	A
Endrin aldehyde	51		65		30-150	24		30	A
Endrin ketone	66		83		30-150	23		30	A
Dieldrin	67		86		30-150	25		30	A
4,4'-DDE	56		76		30-150	30		30	A
4,4'-DDD	63		81		30-150	25		30	A
4,4'-DDT	63		84		30-150	29		30	A
Endosulfan I	61		78		30-150	24		30	A
Endosulfan II	65		85		30-150	27		30	A
Endosulfan sulfate	57		77		30-150	30		30	A
Methoxychlor	66		86		30-150	26		30	A
cis-Chlordane	53		66		30-150	22		30	A
trans-Chlordane	67		71		30-150	6		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1173871-2 WG1173871-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	87		98		30-150	B
Decachlorobiphenyl	59		83		30-150	B
2,4,5,6-Tetrachloro-m-xylene	76		90		30-150	A
Decachlorobiphenyl	61		85		30-150	A

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1174461-2 WG1174461-3									
2,4-D	171	Q	190	Q	30-150	11		25	A
2,4,5-TP (Silvex)	59		55		30-150	7		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	87		78		30-150	A
DCAA	313	Q	107		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG1174953-2 WG1174953-3									
2,4-D	118		113		30-150	4		30	A
2,4,5-T	84		81		30-150	4		30	A
2,4,5-TP (Silvex)	103		90		30-150	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		101		30-150	A
DCAA	90		111		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 01 Batch: WG1175719-2 WG1175719-3									
Lindane	104		87		30-150	18		20	A
Heptachlor	102		86		30-150	17		20	A
Heptachlor epoxide	110		93		30-150	17		20	A
Endrin	104		88		30-150	17		20	A
Methoxychlor	113		97		30-150	15		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	93		81		30-150	A
Decachlorobiphenyl	87		77		30-150	A
2,4,5,6-Tetrachloro-m-xylene	92		79		30-150	B
Decachlorobiphenyl	93		83		30-150	B

METALS

Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-01

Date Collected: 10/29/18 12:00

Client ID: COMP0102_14-20

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/30/18 16:15

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.035	J	mg/l	1.00	0.019	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Barium, TCLP	0.603		mg/l	0.500	0.021	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Cadmium, TCLP	0.012	J	mg/l	0.100	0.010	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Chromium, TCLP	0.044	J	mg/l	0.200	0.021	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Lead, TCLP	0.116	J	mg/l	0.500	0.027	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/02/18 13:10	11/02/18 22:00	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/01/18 13:00	11/01/18 23:38	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-01

Date Collected: 10/29/18 12:00

Client ID: COMP0102_14-20

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7560		mg/kg	9.28	2.50	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.64	0.352	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Arsenic, Total	2.78		mg/kg	0.928	0.193	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Barium, Total	28.5		mg/kg	0.928	0.161	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Beryllium, Total	0.297	J	mg/kg	0.464	0.031	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.928	0.091	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Calcium, Total	594		mg/kg	9.28	3.25	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Chromium, Total	12.6		mg/kg	0.928	0.089	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Cobalt, Total	3.99		mg/kg	1.86	0.154	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Copper, Total	8.98		mg/kg	0.928	0.239	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Iron, Total	9460		mg/kg	4.64	0.838	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Lead, Total	6.39		mg/kg	4.64	0.248	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Magnesium, Total	2040		mg/kg	9.28	1.43	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Manganese, Total	74.9		mg/kg	0.928	0.147	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Mercury, Total	0.130		mg/kg	0.075	0.016	1	10/31/18 08:20	10/31/18 12:41	EPA 7471B	1,7471B	MG
Nickel, Total	10.2		mg/kg	2.32	0.224	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Potassium, Total	728		mg/kg	232	13.4	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Selenium, Total	0.556	J	mg/kg	1.86	0.239	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.928	0.262	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Sodium, Total	167	J	mg/kg	186	2.92	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.86	0.292	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Vanadium, Total	15.0		mg/kg	0.928	0.188	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB
Zinc, Total	23.0		mg/kg	4.64	0.272	2	10/31/18 19:15	10/31/18 23:43	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-02

Date Collected: 10/29/18 12:25

Client ID: COMP01_0-14

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/30/18 16:15

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Barium, TCLP	0.483	J	mg/l	0.500	0.021	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Cadmium, TCLP	0.015	J	mg/l	0.100	0.010	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Lead, TCLP	4.80		mg/l	0.500	0.027	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/02/18 13:10	11/02/18 21:03	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/02/18 17:00	11/05/18 14:49	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-02

Date Collected: 10/29/18 12:25

Client ID: COMP01_0-14

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4420		mg/kg	8.73	2.36	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Antimony, Total	0.707	J	mg/kg	4.36	0.332	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Arsenic, Total	4.98		mg/kg	0.873	0.182	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Barium, Total	200		mg/kg	0.873	0.152	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Beryllium, Total	0.166	J	mg/kg	0.436	0.029	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Cadmium, Total	0.969		mg/kg	0.873	0.086	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Calcium, Total	48200		mg/kg	8.73	3.05	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Chromium, Total	8.95		mg/kg	0.873	0.084	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Cobalt, Total	5.23		mg/kg	1.74	0.145	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Copper, Total	21.7		mg/kg	0.873	0.225	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Iron, Total	9150		mg/kg	4.36	0.788	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Lead, Total	810		mg/kg	4.36	0.234	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Magnesium, Total	2730		mg/kg	8.73	1.34	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Manganese, Total	404		mg/kg	0.873	0.139	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Mercury, Total	0.745		mg/kg	0.072	0.015	1	10/31/18 08:20	10/31/18 12:43	EPA 7471B	1,7471B	MG
Nickel, Total	14.1		mg/kg	2.18	0.211	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Potassium, Total	756		mg/kg	218	12.6	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Selenium, Total	0.663	J	mg/kg	1.74	0.225	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.873	0.247	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Sodium, Total	210		mg/kg	174	2.75	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.275	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Vanadium, Total	14.5		mg/kg	0.873	0.177	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB
Zinc, Total	371		mg/kg	4.36	0.256	2	10/31/18 19:15	10/31/18 23:47	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-03

Date Collected: 10/29/18 09:45

Client ID: COMP02_0-14

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 10/30/18 16:15

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Barium, TCLP	0.572		mg/l	0.500	0.021	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Lead, TCLP	1.52		mg/l	0.500	0.027	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/02/18 13:10	11/02/18 21:08	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/02/18 17:00	11/05/18 15:10	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844138-03

Date Collected: 10/29/18 09:45

Client ID: COMP02_0-14

Date Received: 10/29/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4620		mg/kg	9.04	2.44	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.52	0.343	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Arsenic, Total	3.28		mg/kg	0.904	0.188	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Barium, Total	48.0		mg/kg	0.904	0.157	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Beryllium, Total	0.172	J	mg/kg	0.452	0.030	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.904	0.089	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Calcium, Total	36500		mg/kg	9.04	3.16	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Chromium, Total	8.62		mg/kg	0.904	0.087	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Cobalt, Total	3.40		mg/kg	1.81	0.150	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Copper, Total	11.4		mg/kg	0.904	0.233	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Iron, Total	8170		mg/kg	4.52	0.816	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Lead, Total	104		mg/kg	4.52	0.242	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Magnesium, Total	3470		mg/kg	9.04	1.39	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Manganese, Total	340		mg/kg	0.904	0.144	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Mercury, Total	0.181		mg/kg	0.072	0.015	1	10/31/18 08:20	10/31/18 12:45	EPA 7471B	1,7471B	MG
Nickel, Total	10.5		mg/kg	2.26	0.219	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Potassium, Total	624		mg/kg	226	13.0	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Selenium, Total	0.533	J	mg/kg	1.81	0.233	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.904	0.256	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Sodium, Total	182		mg/kg	181	2.85	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.81	0.285	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Vanadium, Total	15.4		mg/kg	0.904	0.183	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB
Zinc, Total	39.1		mg/kg	4.52	0.265	2	10/31/18 19:15	10/31/18 23:51	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1174159-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	10/31/18 08:20	10/31/18 11:52	1,7471B	MG

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-03 Batch: WG1174515-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Sodium, Total	1.57	J	mg/kg	80.0	1.26	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1174855-1									
Arsenic, TCLP	ND	mg/l	1.00	0.019	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Barium, TCLP	ND	mg/l	0.500	0.021	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Cadmium, TCLP	ND	mg/l	0.100	0.010	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Chromium, TCLP	ND	mg/l	0.200	0.021	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Lead, TCLP	ND	mg/l	0.500	0.027	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Selenium, TCLP	ND	mg/l	0.500	0.035	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB
Silver, TCLP	ND	mg/l	0.100	0.028	1	11/01/18 13:00	11/01/18 22:48	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/30/18 16:15

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02-03 Batch: WG1175330-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	11/02/18 13:10	11/02/18 20:56	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 10/30/18 16:15

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01 Batch: WG1175335-1									
Mercury, TCLP	ND	mg/l	0.0010	0.0003	1	11/02/18 13:10	11/02/18 21:57	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 10/30/18 16:15



Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 02-03 Batch: WG1175388-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/02/18 17:00	11/05/18 14:41	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 10/30/18 16:15

Lab Control Sample Analysis
Batch Quality Control**Project Name:** 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1174159-2 SRM Lot Number: D102-540								
Mercury, Total	98		-		65-134	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1174515-2 SRM Lot Number: D102-540					
Aluminum, Total	74	-	49-150	-	
Antimony, Total	162	-	1-199	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	93	-	83-118	-	
Beryllium, Total	92	-	83-116	-	
Cadmium, Total	94	-	83-118	-	
Calcium, Total	86	-	82-118	-	
Chromium, Total	92	-	83-117	-	
Cobalt, Total	91	-	84-116	-	
Copper, Total	91	-	84-116	-	
Iron, Total	92	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	87	-	82-118	-	
Nickel, Total	91	-	83-117	-	
Potassium, Total	88	-	70-130	-	
Selenium, Total	98	-	79-121	-	
Silver, Total	96	-	80-120	-	
Sodium, Total	97	-	74-126	-	
Thallium, Total	94	-	81-119	-	
Vanadium, Total	90	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 Batch: WG1174515-2 SRM Lot Number: D102-540					
Zinc, Total	91	-	81-118	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1174855-2					
Arsenic, TCLP	106	-	75-125	-	20
Barium, TCLP	98	-	75-125	-	20
Cadmium, TCLP	105	-	75-125	-	20
Chromium, TCLP	97	-	75-125	-	20
Lead, TCLP	97	-	75-125	-	20
Selenium, TCLP	107	-	75-125	-	20
Silver, TCLP	94	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 Batch: WG1175330-2					
Mercury, TCLP	86	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 Batch: WG1175335-2					
Mercury, TCLP	81	-	80-120	-	

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 Batch: WG1175388-2					
Arsenic, TCLP	112	-	75-125	-	20
Barium, TCLP	94	-	75-125	-	20
Cadmium, TCLP	108	-	75-125	-	20
Chromium, TCLP	103	-	75-125	-	20
Lead, TCLP	107	-	75-125	-	20
Selenium, TCLP	112	-	75-125	-	20
Silver, TCLP	101	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1174159-3 QC Sample: L1843839-01 Client ID: MS Sample												
Mercury, Total	0.056J	0.138	0.210	152	Q	-	-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03			QC Batch ID: WG1174515-3		QC Sample: L1844146-01		Client ID: MS Sample		
Aluminum, Total	1420	174	2060	368	Q	-	75-125	-	20
Antimony, Total	0.340J	43.4	41.0	94		-	75-125	-	20
Arsenic, Total	3.40	10.4	14.1	103		-	75-125	-	20
Barium, Total	43.9	174	200	90		-	75-125	-	20
Beryllium, Total	0.055J	4.34	3.10	71	Q	-	75-125	-	20
Cadmium, Total	0.357J	4.43	3.61	81		-	75-125	-	20
Calcium, Total	172000	869	155000	0	Q	-	75-125	-	20
Chromium, Total	4.82	17.4	17.7	74	Q	-	75-125	-	20
Cobalt, Total	2.03	43.4	32.6	70	Q	-	75-125	-	20
Copper, Total	8.64	21.7	31.8	107		-	75-125	-	20
Iron, Total	3230	86.9	3210	0	Q	-	75-125	-	20
Lead, Total	125.	44.3	141	36	Q	-	75-125	-	20
Magnesium, Total	1690	869	2400	82		-	75-125	-	20
Manganese, Total	147.	43.4	191	101		-	75-125	-	20
Nickel, Total	3.64	43.4	34.9	72	Q	-	75-125	-	20
Potassium, Total	566.	869	1420	98		-	75-125	-	20
Selenium, Total	0.510J	10.4	10.6	102		-	75-125	-	20
Silver, Total	0.132J	26.1	26.2	100		-	75-125	-	20
Sodium, Total	325.	869	1160	96		-	75-125	-	20
Thallium, Total	ND	10.4	6.47	62	Q	-	75-125	-	20
Vanadium, Total	11.0	43.4	48.2	86		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1174515-3 QC Sample: L1844146-01 Client ID: MS Sample									
Zinc, Total	21.6	43.4	58.6	85	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1174855-3 QC Sample: L1843528-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.28	107	-	-	75-125	-	20
Barium, TCLP	0.306J	20	20.4	102	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.539	106	-	-	75-125	-	20
Chromium, TCLP	0.081J	2	1.92	96	-	-	75-125	-	20
Lead, TCLP	0.111J	5.1	5.05	99	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.32	110	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.463	93	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1175330-3 QC Sample: L1844138-02 Client ID: COMP01_0-14									
Mercury, TCLP	ND	0.025	0.0222	89	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1175335-3 QC Sample: L1844138-01 Client ID: COMP0102_14-20									
Mercury, TCLP	ND	0.025	0.0225	90	-	-	80-120	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1175388-3 QC Sample: L1844138-02 Client ID: COMP01_0-14									
Arsenic, TCLP	ND	1.2	1.40	117	-	-	75-125	-	20
Barium, TCLP	0.483J	20	19.3	96	-	-	75-125	-	20
Cadmium, TCLP	0.015J	0.51	0.560	110	-	-	75-125	-	20
Chromium, TCLP	ND	2	2.06	103	-	-	75-125	-	20
Lead, TCLP	4.80	5.1	10.1	104	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.38	115	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.515	103	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1174159-4 QC Sample: L1843839-01 Client ID: DUP Sample						
Mercury, Total	0.056J	0.081	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-03 QC Batch ID: WG1174515-4 QC Sample: L1844146-01 Client ID: DUP Sample						
Lead, Total	125.	139	mg/kg	11		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1174855-4 QC Sample: L1843528-01 Client ID: DUP Sample						
Lead, TCLP	0.111J	0.119J	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1175330-4 QC Sample: L1844138-02 Client ID: COMP01_0-14						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1175335-4 QC Sample: L1844138-01 Client ID: COMP0102_14-20						
Mercury, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 02-03 QC Batch ID: WG1175388-4 QC Sample: L1844138-02 Client ID: COMP01_0-14						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.483J	0.474J	mg/l	NC		20
Cadmium, TCLP	0.015J	0.015J	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	4.80	4.77	mg/l	1		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20

INORGANICS & MISCELLANEOUS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/01/18 06:49	1,1030	GD



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-01
Client ID: COMP0102_14-20
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:00
Date Received: 10/29/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.1		%	0.100	NA	1	-	10/30/18 15:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	10/31/18 14:10	10/31/18 16:34	1,9010C/9012B	LH
pH (H)	7.5		SU	-	NA	1	-	10/31/18 03:13	1,9045D	MA
Chromium, Hexavalent	ND		mg/kg	0.951	0.190	1	10/30/18 21:55	10/31/18 11:09	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/30/18 20:20	10/30/18 21:55	125,7.3	TL
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/30/18 20:20	10/30/18 22:03	125,7.3	TL
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	10/31/18 16:41	1,9095B	AS



Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-02

Client ID: COMP01_0-14

Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 12:25

Date Received: 10/29/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	10/30/18 15:07	121,2540G	RI
Cyanide, Total	0.30	J	mg/kg	1.1	0.23	1	10/31/18 14:10	10/31/18 17:12	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.915	0.183	1	10/30/18 21:55	10/31/18 11:09	1,7196A	NH



Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-03

Client ID: COMP02_0-14

Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 09:45

Date Received: 10/29/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	10/30/18 15:07	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	10/31/18 14:10	10/31/18 16:40	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.923	0.184	1	10/30/18 21:55	10/31/18 11:09	1,7196A	NH



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-04**Client ID:** WC02_10-12**Sample Location:** MANHATTAN, NY**Date Collected:** 10/29/18 10:40**Date Received:** 10/29/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.1		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-05**Client ID:** WC03_18-20**Sample Location:** MANHATTAN, NY**Date Collected:** 10/29/18 09:30**Date Received:** 10/29/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.4		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-06**Client ID:** WC04_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 10/29/18 08:40**Date Received:** 10/29/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.2		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-07**Client ID:** WC08_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 10/29/18 13:15**Date Received:** 10/29/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844138**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844138-08**Client ID:** WC01_18-19**Sample Location:** MANHATTAN, NY**Date Collected:** 10/29/18 11:11**Date Received:** 10/29/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.7		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844138-09

Client ID: WC07_11-12

Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 14:20

Date Received: 10/29/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.6		%	0.100	NA	1	-	10/30/18 14:16	121,2540G	RI



Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1174037-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	10/30/18 20:20	10/30/18 21:59	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01 Batch: WG1174040-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	10/30/18 20:20	10/30/18 21:51	125,7.3	TL
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1174120-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/30/18 21:55	10/31/18 11:09	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 01-03 Batch: WG1174273-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	10/31/18 14:10	10/31/18 16:14	1,9010C/9012B	LH

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1174037-2								
Sulfide, Reactive	72		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1174040-2								
Cyanide, Reactive	68		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1174120-2								
Chromium, Hexavalent	84		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 01 Batch: WG1174265-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 01-03 Batch: WG1174273-2 WG1174273-3								
Cyanide, Total	41	Q	82		80-120	66	Q	35

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Lab Number: L1844138

Project Number: 190043701

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1174120-4 QC Sample: L1844138-03 Client ID: COMP02_0-14												
Chromium, Hexavalent	ND	1190	1090	91		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1174273-4 WG1174273-5 QC Sample: L1844138-01 Client ID: COMP0102_14-20												
Cyanide, Total	ND	11	12	110		12	110		75-125	0		35

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844138

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 04-09 QC Batch ID: WG1173908-1 QC Sample: L1843881-01 Client ID: DUP Sample						
Solids, Total	82.0	81.5	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1173928-1 QC Sample: L1844153-01 Client ID: DUP Sample						
Solids, Total	73.6	73.3	%	0		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1174037-3 QC Sample: L1844123-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1174040-3 QC Sample: L1844123-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01-03 QC Batch ID: WG1174120-6 QC Sample: L1844138-03 Client ID: COMP02_0-14						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1174265-2 QC Sample: L1843107-01 Client ID: DUP Sample						
pH	6.7	6.7	SU	0		5

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121916:26
Lab Number: L1844138
Report Date: 02/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844138-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844138-01B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		HEXCR-7196(30)
L1844138-01C	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		HOLD-8260(14)
L1844138-01D	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14)
L1844138-01Q	Vial MeOH preserved split	A	NA		3.4	Y	Absent		HOLD-8260(14)
L1844138-01R	Vial Water preserved split	A	NA		3.4	Y	Absent	01-NOV-18 11:29	HOLD-8260(14)
L1844138-01S	Vial Water preserved split	A	NA		3.4	Y	Absent	01-NOV-18 11:29	HOLD-8260(14)
L1844138-01X	Amber 1000ml unpreserved Extracts	A	NA		3.4	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1844138-01X9	Tumble Vessel	A	NA		3.4	Y	Absent		-
L1844138-01Z	Plastic 120ml HNO3 preserved Extracts	A	NA		3.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844138-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844138-02B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		HEXCR-7196(30)
L1844138-02C	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1844138-02X9	Tumble Vessel	A	NA		3.4	Y	Absent		-

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121916:26
Lab Number: L1844138
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844138-02Z	Plastic 120ml HNO3 preserved Extracts	A	NA		3.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844138-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844138-03B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		HEXCR-7196(30)
L1844138-03C	Glass 500ml/16oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14)
L1844138-03X9	Tumble Vessel	A	NA		3.4	Y	Absent		-
L1844138-03Z	Plastic 120ml HNO3 preserved Extracts	A	NA		3.4	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844138-04A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-04B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-04C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-04D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1844138-04E	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1844138-05A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-05B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-05C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-05D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1844138-05E	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1844138-06A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-06B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-06C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-06D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1844138-06E	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1844138-07A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-07B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121916:26
Lab Number: L1844138
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844138-07C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-07D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1844138-07E	Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		NJEPH-TPH-CAT1(14)
L1844138-08A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-08B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-08C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-08D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)
L1844138-09A	Vial MeOH preserved	A	NA		3.4	Y	Absent		NYTCL-8260HLW(14)
L1844138-09B	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-09C	Vial water preserved	A	NA		3.4	Y	Absent	30-OCT-18 07:50	NYTCL-8260HLW(14)
L1844138-09D	Plastic 2oz unpreserved for TS	A	NA		3.4	Y	Absent		TS(7)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: DU Report with 'J' Qualifiers



Project Name: 551 GREENWICH ST.**Lab Number:** L1844138**Project Number:** 190043701**Report Date:** 02/12/19

result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844138
Report Date: 02/12/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

Published Date: 10/9/2018 4:58:19 PM

Title: **Certificate/Approval Program Summary**

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 10/29/18		ALPHA Job # L1844138																																																																																																																																																																							
		Project Information Project Name: 551 Greenwich St Project Location: Manhattan NY Project # 190043701 (Use Project name as Project #) ☐ Project Manager: Dan McMahon ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #																																																																																																																																																																									
Client Information Client: LANGAN Address: 300 W. 3rd St 8FL Manhattan Phone: 212-474-5400 Fax: Email: pmcmahone@langan.com		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:																																																																																																																																																																											
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		ANALYSIS TUL Part 375/VOC NJ EPH Part 375/TUL/TAL SVOCs, PCBs, Pest Insect Total Metals (see chain) (Yields) TUL PM10s TUL SVOCs, TUL Pest TUL Herb. paint, etc. PCRA Haz Waste Characterization		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments																																																																																																																																																																											
Please specify Metals or TAL.		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">ALPHA Lab ID (Lab Use Only)</th> <th rowspan="2">Sample ID</th> <th colspan="2">Collection</th> <th rowspan="2">Sample Matrix</th> <th rowspan="2">Sampler's Initials</th> <th rowspan="2">TUL</th> <th rowspan="2">Part 375/VOC</th> <th rowspan="2">NJ EPH</th> <th rowspan="2">Part 375/TUL/TAL</th> <th rowspan="2">SVOCs, PCBs, Pest Insect</th> <th rowspan="2">Total Metals (see chain)</th> <th rowspan="2">(Yields) TUL PM10s</th> <th rowspan="2">TUL SVOCs, TUL Pest</th> <th rowspan="2">TUL Herb. paint, etc.</th> <th rowspan="2">PCRA Haz Waste Characterization</th> <th rowspan="2">Total Bottle</th> </tr> <tr> <th>Date</th> <th>Time</th> </tr> </thead> <tbody> <tr> <td>44/138 -01</td> <td>COMP0102-14-20</td> <td>10/29/18</td> <td>1200</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-02</td> <td>COMP01-2-8</td> <td></td> <td>1225</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-03</td> <td>COMP02-2-12</td> <td></td> <td>0945</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-04</td> <td>WC02-10-12</td> <td></td> <td>1040</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-05</td> <td>WC03-18-20</td> <td></td> <td>0930</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-06</td> <td>WC04-6-8</td> <td></td> <td>0840</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-07</td> <td>WC08-6-8</td> <td></td> <td>1315</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-08</td> <td>WC01-18-19</td> <td></td> <td>1111</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>-09</td> <td>WC07-11-12</td> <td></td> <td>1420</td> <td>S</td> <td>DP</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>		ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	TUL	Part 375/VOC	NJ EPH	Part 375/TUL/TAL	SVOCs, PCBs, Pest Insect	Total Metals (see chain)	(Yields) TUL PM10s	TUL SVOCs, TUL Pest	TUL Herb. paint, etc.	PCRA Haz Waste Characterization	Total Bottle	Date	Time	44/138 -01	COMP0102-14-20	10/29/18	1200	S	DP	X	X	X	X	X	X	X	X	X			-02	COMP01-2-8		1225	S	DP	X	X	X	X	X	X	X	X	X			-03	COMP02-2-12		0945	S	DP	X	X	X	X	X	X	X	X	X			-04	WC02-10-12		1040	S	DP	X	X	X	X	X	X	X	X	X			-05	WC03-18-20		0930	S	DP	X	X	X	X	X	X	X	X	X			-06	WC04-6-8		0840	S	DP	X	X	X	X	X	X	X	X	X			-07	WC08-6-8		1315	S	DP	X	X	X	X	X	X	X	X	X			-08	WC01-18-19		1111	S	DP	X	X	X	X	X	X	X	X	X			-09	WC07-11-12		1420	S	DP	X	X	X	X	X	X	X	X	X		
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-08	WC01-18-19		1111	S	DP	X	X	X	X	X	X	X	X	X																																																																																																																																																																	
-09	WC07-11-12		1420	S	DP	X	X	X	X	X	X	X	X	X																																																																																																																																																																	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)																																																																																																																																																																							
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: D. Santos RAL		Date/Time 10/29/18 3:40pm 10/29/18 1730 10/29/18 2310		Received By: Steven Wagner P. Santos Steven Wagner		Date/Time 10/29/18 1540 10/29/18 1800 10/29/18 2310																																																																																																																																																																							



ANALYTICAL REPORT

Lab Number:	L1844354
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	551 GREENWICH STREET
Project Number:	190043701
Report Date:	02/12/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844354-01	WC05_19-20	SOIL	MANHATTAN, NY	10/30/18 09:15	10/30/18
L1844354-02	WC11_18-20	SOIL	MANHATTAN, NY	10/30/18 15:00	10/30/18
L1844354-03	COMP04_0-12	SOIL	MANHATTAN, NY	10/29/18 15:40	10/30/18
L1844354-04	WC07_14-16	SOIL	MANHATTAN, NY	10/29/18 14:50	10/30/18
L1844354-05	WC06_8-10	SOIL	MANHATTAN, NY	10/29/18 15:30	10/30/18
L1844354-06	DUP01_GRAB_103018	SOIL	MANHATTAN, NY	10/30/18 00:00	10/30/18
L1844354-07	WC11_6-8	SOIL	MANHATTAN, NY	10/30/18 15:15	10/30/18
L1844354-08	WC05_12-14	SOIL	MANHATTAN, NY	10/30/18 08:30	10/30/18
L1844354-09	COMP0304_12-20	SOIL	MANHATTAN, NY	10/30/18 08:35	10/30/18
L1844354-10	COMP03_0-12	SOIL	MANHATTAN, NY	10/30/18 08:50	10/30/18
L1844354-11	WC05_6-8	SOIL	MANHATTAN, NY	10/30/18 08:55	10/30/18
L1844354-12	WC05_8-10	SOIL	MANHATTAN, NY	10/30/18 09:05	10/30/18
L1844354-13	WC09_6-8	SOIL	MANHATTAN, NY	10/30/18 13:00	10/30/18
L1844354-14	COMP05_0-13	SOIL	MANHATTAN, NY	10/30/18 13:05	10/30/18
L1844354-15	WC10_4-6	SOIL	MANHATTAN, NY	10/30/18 10:25	10/30/18
L1844354-16	WC10_6-8	SOIL	MANHATTAN, NY	10/30/18 10:30	10/30/18
L1844354-17	WC09_2-4	SOIL	MANHATTAN, NY	10/30/18 12:45	10/30/18
L1844354-18	WC09_4-6	SOIL	MANHATTAN, NY	10/30/18 12:50	10/30/18
L1844354-19	WC09_6-8	SOIL	MANHATTAN, NY	10/30/18 12:55	10/30/18
L1844354-20	WC09_16-18	SOIL	MANHATTAN, NY	10/30/18 13:20	10/30/18
L1844354-21	WC10_9-11	SOIL	MANHATTAN, NY	10/30/18 10:00	10/30/18
L1844354-22	WC10_16-18	SOIL	MANHATTAN, NY	10/30/18 10:05	10/30/18
L1844354-23	WC10_18-20	SOIL	MANHATTAN, NY	10/30/18 10:10	10/30/18
L1844354-24	WC10_20-22	SOIL	MANHATTAN, NY	10/30/18 10:15	10/30/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844354-25	WC10_22-24	SOIL	MANHATTAN, NY	10/30/18 10:20	10/30/18
L1844354-26	DUP02_GRAB_103018	SOIL	MANHATTAN, NY	10/30/18 00:00	10/30/18
L1844354-27	FIELD BLANK	WATER	MANHATTAN, NY	10/30/18 10:06	10/30/18

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

Case Narrative (continued)

Report Revision

February 12, 2019: The sample IDs for L1844354-03, -09, -10, and -14 have been amended.

Report Submission

November 19, 2018: This final report includes the results of the Total and TCLP Lead analyses performed on L1844354-15 through -19.

November 06, 2018: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L1844354-01: The collection date and time on the chain of custody was 30-OCT-18 08:15; however, the collection date/time on the container label was 30-OCT-18 09:15. At the client's request, the collection date/time is reported as 30-OCT-18 09:15.

L1844354-01: The analysis of NJEPH was not required.

L1844354-04: The analyses of Volatile Organics and NJEPH were performed at the client's request.

Volatile Organics

L1844354-27: The Field Blank has a result for acetone present above the reporting limit. The sample vial was verified as being labeled correctly by the laboratory and the previous analysis showed there was no potential for carry over.

Semivolatile Organics

The WG1175650-2/-3 LCS/LCSD recoveries, associated with L1844354-27, are below the acceptance criteria for benzidine (0%/4%) and benzoic acid (LCSD 0%); however, they have been identified as "difficult" analytes. The results of the associated sample are reported.

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

Case Narrative (continued)

Total Metals

L1844354-03, -09, -10, and -14: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1174273-2 LCS recovery (41%), associated with L1844354-03, -09, -10, and -14, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The LCS/LCSD RPD (66%) is above the acceptance criteria.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 02/12/19

ORGANICS

VOLATILES

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-01
Client ID: WC05_19-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 09:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 11:01
Analyst: JC
Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	0.46	J	ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	2.8		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-01
 Client ID: WC05_19-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 09:15
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	0.65	J	ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
Xylenes, Total	0.65	J	ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	25		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	1.6		ug/kg	1.0	0.17	1
sec-Butylbenzene	0.60	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	1.3		ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.33	J	ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.3	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-01
 Client ID: WC05_19-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 09:15
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	4.2		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Acrolein	ND		ug/kg	26	5.8	1
Cyclohexane	53		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
p-Diethylbenzene	1.3	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	0.68	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	3.9		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Methyl cyclohexane	88		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	91		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-02
Client ID: WC11_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 11:29
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.16	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	14		ug/kg	0.50	0.16	1
Toluene	0.64	J	ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.92	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-02
 Client ID: WC11_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	2.6		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
Xylenes, Total	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	18		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
Vinyl acetate	ND		ug/kg	9.9	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.16	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.14	1
n-Butylbenzene	0.18	J	ug/kg	0.99	0.16	1
sec-Butylbenzene	0.17	J	ug/kg	0.99	0.14	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	1.5		ug/kg	0.99	0.11	1
p-Isopropyltoluene	ND		ug/kg	0.99	0.11	1
Naphthalene	ND		ug/kg	4.0	0.64	1
Acrylonitrile	ND		ug/kg	4.0	1.1	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.1	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-02
 Client ID: WC11_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.6		ug/kg	0.99	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33	1
Methyl Acetate	ND		ug/kg	4.0	0.94	1
Acrolein	ND		ug/kg	25	5.6	1
Cyclohexane	16		ug/kg	9.9	0.54	1
1,4-Dioxane	ND		ug/kg	99	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
p-Diethylbenzene	0.33	J	ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.38	1
1,2,4,5-Tetramethylbenzene	1.5	J	ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Methyl cyclohexane	28		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	96		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-04
 Client ID: WC07_14-16
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 14:50
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/18 11:56
 Analyst: JC
 Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.6	2.6	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	ND		ug/kg	1.7	0.16	1
Carbon tetrachloride	ND		ug/kg	1.1	0.26	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.56	0.22	1
Chlorobenzene	ND		ug/kg	0.56	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.5	0.78	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.29	1
1,1,1-Trichloroethane	ND		ug/kg	0.56	0.19	1
Bromodichloromethane	ND		ug/kg	0.56	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.56	0.18	1
1,3-Dichloropropene, Total	ND		ug/kg	0.56	0.18	1
1,1-Dichloropropene	ND		ug/kg	0.56	0.18	1
Bromoform	ND		ug/kg	4.5	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.56	0.18	1
Benzene	ND		ug/kg	0.56	0.18	1
Toluene	ND		ug/kg	1.1	0.61	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.5	1.0	1
Bromomethane	ND		ug/kg	2.2	0.65	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	0.15	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-04
 Client ID: WC07_14-16
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 14:50
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.56	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	0.58	J	ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.20	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	25		ug/kg	11	5.4	1
Carbon disulfide	ND		ug/kg	11	5.1	1
2-Butanone	ND		ug/kg	11	2.5	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.19	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.56	0.15	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.19	1
sec-Butylbenzene	0.55	J	ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.5	0.19	1
Isopropylbenzene	0.41	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	2.4	J	ug/kg	4.5	0.72	1
Acrylonitrile	ND		ug/kg	4.5	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.7	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-04**Date Collected:** 10/29/18 14:50**Client ID:** WC07_14-16**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.54	J	ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.22	1
1,2,4-Trimethylbenzene	0.58	J	ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.5	1.1	1
Acrolein	ND		ug/kg	28	6.3	1
Cyclohexane	ND		ug/kg	11	0.61	1
1,4-Dioxane	ND		ug/kg	110	39.	1
Freon-113	ND		ug/kg	4.5	0.77	1
p-Diethylbenzene	0.31	J	ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.43	1
1,2,4,5-Tetramethylbenzene	0.90	J	ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.6	1.6	1
Methyl cyclohexane	ND		ug/kg	4.5	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-05
Client ID: WC06_8-10
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 17:59
Analyst: MV
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	61	8.8	1
Chloroform	9.1	J	ug/kg	92	8.5	1
Carbon tetrachloride	ND		ug/kg	61	14.	1
1,2-Dichloropropane	ND		ug/kg	61	7.6	1
Dibromochloromethane	ND		ug/kg	61	8.5	1
1,1,2-Trichloroethane	ND		ug/kg	61	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.7	1
Trichlorofluoromethane	ND		ug/kg	240	42.	1
1,2-Dichloroethane	ND		ug/kg	61	16.	1
1,1,1-Trichloroethane	ND		ug/kg	30	10.	1
Bromodichloromethane	ND		ug/kg	30	6.6	1
trans-1,3-Dichloropropene	ND		ug/kg	61	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.6	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.6	1
1,1-Dichloropropene	ND		ug/kg	30	9.7	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	10.	1
Benzene	ND		ug/kg	30	10.	1
Toluene	ND		ug/kg	61	33.	1
Ethylbenzene	ND		ug/kg	61	8.6	1
Chloromethane	ND		ug/kg	240	57.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	61	20.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	61	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	92	8.4	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-05
 Client ID: WC06_8-10
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:30
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.4	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,3-Dichlorobenzene	ND		ug/kg	120	9.0	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	ND		ug/kg	120	34.	1
o-Xylene	ND		ug/kg	61	18.	1
Xylenes, Total	ND		ug/kg	61	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	61	11.	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	61	12.	1
Dichlorodifluoromethane	ND		ug/kg	610	56.	1
Acetone	ND		ug/kg	610	290	1
Carbon disulfide	ND		ug/kg	610	280	1
2-Butanone	ND		ug/kg	610	140	1
Vinyl acetate	ND		ug/kg	610	130	1
4-Methyl-2-pentanone	ND		ug/kg	610	78.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.7	1
2-Hexanone	ND		ug/kg	610	72.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	61	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	8.0	1
Bromobenzene	ND		ug/kg	120	8.8	1
n-Butylbenzene	ND		ug/kg	61	10.	1
sec-Butylbenzene	ND		ug/kg	61	8.9	1
tert-Butylbenzene	ND		ug/kg	120	7.2	1
o-Chlorotoluene	ND		ug/kg	120	12.	1
p-Chlorotoluene	ND		ug/kg	120	6.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	61.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	ND		ug/kg	61	6.6	1
p-Isopropyltoluene	ND		ug/kg	61	6.6	1
Naphthalene	1800		ug/kg	240	40.	1
Acrylonitrile	ND		ug/kg	240	70.	1
Tert-Butyl Alcohol	ND		ug/kg	1200	310	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-05**Date Collected:** 10/29/18 15:30**Client ID:** WC06_8-10**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	ND		ug/kg	61	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	ND		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	ND		ug/kg	120	20.	1
Methyl Acetate	500		ug/kg	240	58.	1
Acrolein	ND		ug/kg	1500	340	1
Cyclohexane	ND		ug/kg	610	33.	1
1,4-Dioxane	ND		ug/kg	6100	2100	1
Freon-113	ND		ug/kg	240	42.	1
p-Diethylbenzene	ND		ug/kg	120	11.	1
p-Ethyltoluene	ND		ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	120	12.	1
Ethyl ether	ND		ug/kg	120	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	87.	1
Methyl cyclohexane	ND		ug/kg	240	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	120		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-06
Client ID: DUP01_GRAB_103018
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 12:24
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.53	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.18	1
Benzene	ND		ug/kg	0.53	0.18	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-06
 Client ID: DUP01_GRAB_103018
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.53	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.12	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.4	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-06
Client ID: DUP01_GRAB_103018
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.3	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.64	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-07
 Client ID: WC11_6-8
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:15
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/18 12:52
 Analyst: JC
 Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-07**Date Collected:** 10/30/18 15:15**Client ID:** WC11_6-8**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	12		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.2	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-07**Date Collected:** 10/30/18 15:15**Client ID:** WC11_6-8**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Acrolein	ND		ug/kg	25	5.7	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	35.	1
Freon-113	ND		ug/kg	4.0	0.70	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-08
Client ID: WC05_12-14
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 13:20
Analyst: JC
Percent Solids: 60%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.7	4.0	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.25	1
Chloroform	ND		ug/kg	2.6	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.40	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.22	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.46	1
Tetrachloroethene	ND		ug/kg	0.87	0.34	1
Chlorobenzene	ND		ug/kg	0.87	0.22	1
Trichlorofluoromethane	ND		ug/kg	6.9	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.44	1
1,1,1-Trichloroethane	ND		ug/kg	0.87	0.29	1
Bromodichloromethane	ND		ug/kg	0.87	0.19	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.47	1
cis-1,3-Dichloropropene	ND		ug/kg	0.87	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.87	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.87	0.28	1
Bromoform	ND		ug/kg	6.9	0.43	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.87	0.29	1
Benzene	ND		ug/kg	0.87	0.29	1
Toluene	ND		ug/kg	1.7	0.94	1
Ethylbenzene	ND		ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.9	1.6	1
Bromomethane	ND		ug/kg	3.5	1.0	1
Vinyl chloride	ND		ug/kg	1.7	0.58	1
Chloroethane	ND		ug/kg	3.5	0.78	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.41	1
trans-1,2-Dichloroethene	ND		ug/kg	2.6	0.24	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-08
 Client ID: WC05_12-14
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:30
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.87	0.24	1
1,2-Dichlorobenzene	ND		ug/kg	3.5	0.25	1
1,3-Dichlorobenzene	ND		ug/kg	3.5	0.26	1
1,4-Dichlorobenzene	ND		ug/kg	3.5	0.30	1
Methyl tert butyl ether	ND		ug/kg	3.5	0.35	1
p/m-Xylene	ND		ug/kg	3.5	0.97	1
o-Xylene	ND		ug/kg	1.7	0.50	1
Xylenes, Total	ND		ug/kg	1.7	0.50	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
Dibromomethane	ND		ug/kg	3.5	0.41	1
Styrene	ND		ug/kg	1.7	0.34	1
Dichlorodifluoromethane	ND		ug/kg	17	1.6	1
Acetone	330		ug/kg	17	8.3	1
Carbon disulfide	ND		ug/kg	17	7.9	1
2-Butanone	45		ug/kg	17	3.8	1
Vinyl acetate	ND		ug/kg	17	3.7	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.5	0.22	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.5	0.36	1
2,2-Dichloropropane	ND		ug/kg	3.5	0.35	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.48	1
1,3-Dichloropropane	ND		ug/kg	3.5	0.29	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.87	0.23	1
Bromobenzene	ND		ug/kg	3.5	0.25	1
n-Butylbenzene	ND		ug/kg	1.7	0.29	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	ND		ug/kg	3.5	0.20	1
o-Chlorotoluene	ND		ug/kg	3.5	0.33	1
p-Chlorotoluene	ND		ug/kg	3.5	0.19	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.2	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.9	0.29	1
Isopropylbenzene	ND		ug/kg	1.7	0.19	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.19	1
Naphthalene	ND		ug/kg	6.9	1.1	1
Acrylonitrile	ND		ug/kg	6.9	2.0	1
Tert-Butyl Alcohol	ND		ug/kg	35	8.9	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-08**Date Collected:** 10/30/18 08:30**Client ID:** WC05_12-14**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.7	0.30	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.5	0.56	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.5	0.47	1
1,3,5-Trimethylbenzene	ND		ug/kg	3.5	0.33	1
1,2,4-Trimethylbenzene	ND		ug/kg	3.5	0.58	1
Methyl Acetate	ND		ug/kg	6.9	1.6	1
Acrolein	ND		ug/kg	43	9.8	1
Cyclohexane	2.1	J	ug/kg	17	0.94	1
1,4-Dioxane	ND		ug/kg	170	61.	1
Freon-113	ND		ug/kg	6.9	1.2	1
p-Diethylbenzene	ND		ug/kg	3.5	0.31	1
p-Ethyltoluene	ND		ug/kg	3.5	0.67	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.5	0.33	1
Ethyl ether	ND		ug/kg	3.5	0.59	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.7	2.5	1
Methyl cyclohexane	ND		ug/kg	6.9	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-13
Client ID: WC09_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 13:47
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.6	3.0	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.19	1
Chloroform	ND		ug/kg	2.0	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.30	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.35	1
Tetrachloroethene	ND		ug/kg	0.66	0.26	1
Chlorobenzene	ND		ug/kg	0.66	0.17	1
Trichlorofluoromethane	ND		ug/kg	5.2	0.91	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.34	1
1,1,1-Trichloroethane	ND		ug/kg	0.66	0.22	1
Bromodichloromethane	ND		ug/kg	0.66	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.36	1
cis-1,3-Dichloropropene	ND		ug/kg	0.66	0.21	1
1,3-Dichloropropene, Total	ND		ug/kg	0.66	0.21	1
1,1-Dichloropropene	ND		ug/kg	0.66	0.21	1
Bromoform	ND		ug/kg	5.2	0.32	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.66	0.22	1
Benzene	ND		ug/kg	0.66	0.22	1
Toluene	ND		ug/kg	1.3	0.71	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.2	1.2	1
Bromomethane	ND		ug/kg	2.6	0.76	1
Vinyl chloride	ND		ug/kg	1.3	0.44	1
Chloroethane	ND		ug/kg	2.6	0.59	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.31	1
trans-1,2-Dichloroethene	ND		ug/kg	2.0	0.18	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-13
 Client ID: WC09_6-8
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.66	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.73	1
o-Xylene	ND		ug/kg	1.3	0.38	1
Xylenes, Total	ND		ug/kg	1.3	0.38	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.23	1
Dibromomethane	ND		ug/kg	2.6	0.31	1
Styrene	ND		ug/kg	1.3	0.26	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	12	J	ug/kg	13	6.3	1
Carbon disulfide	ND		ug/kg	13	6.0	1
2-Butanone	ND		ug/kg	13	2.9	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.7	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.17	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.27	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.37	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.22	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.66	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.19	1
n-Butylbenzene	ND		ug/kg	1.3	0.22	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.25	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.9	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.2	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.2	0.85	1
Acrylonitrile	ND		ug/kg	5.2	1.5	1
Tert-Butyl Alcohol	ND		ug/kg	26	6.7	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-13**Date Collected:** 10/30/18 13:00**Client ID:** WC09_6-8**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.42	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.36	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.44	1
Methyl Acetate	ND		ug/kg	5.2	1.2	1
Acrolein	ND		ug/kg	33	7.4	1
Cyclohexane	ND		ug/kg	13	0.71	1
1,4-Dioxane	ND		ug/kg	130	46.	1
Freon-113	ND		ug/kg	5.2	0.91	1
p-Diethylbenzene	ND		ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.50	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.6	0.25	1
Ethyl ether	ND		ug/kg	2.6	0.45	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.6	1.9	1
Methyl cyclohexane	ND		ug/kg	5.2	0.79	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-20 D

Date Collected: 10/30/18 13:20

Client ID: WC09_16-18

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/05/18 18:25

Analyst: MV

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2900	1300	10
1,1-Dichloroethane	ND		ug/kg	590	85.	10
Chloroform	ND		ug/kg	880	82.	10
Carbon tetrachloride	ND		ug/kg	590	140	10
1,2-Dichloropropane	ND		ug/kg	590	73.	10
Dibromochloromethane	ND		ug/kg	590	82.	10
1,1,2-Trichloroethane	ND		ug/kg	590	160	10
Tetrachloroethene	ND		ug/kg	290	120	10
Chlorobenzene	ND		ug/kg	290	74.	10
Trichlorofluoromethane	ND		ug/kg	2300	410	10
1,2-Dichloroethane	ND		ug/kg	590	150	10
1,1,1-Trichloroethane	ND		ug/kg	290	98.	10
Bromodichloromethane	ND		ug/kg	290	64.	10
trans-1,3-Dichloropropene	ND		ug/kg	590	160	10
cis-1,3-Dichloropropene	ND		ug/kg	290	93.	10
1,3-Dichloropropene, Total	ND		ug/kg	290	93.	10
1,1-Dichloropropene	ND		ug/kg	290	93.	10
Bromoform	ND		ug/kg	2300	140	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	290	97.	10
Benzene	7900		ug/kg	290	97.	10
Toluene	14000		ug/kg	590	320	10
Ethylbenzene	16000		ug/kg	590	83.	10
Chloromethane	ND		ug/kg	2300	550	10
Bromomethane	ND		ug/kg	1200	340	10
Vinyl chloride	ND		ug/kg	590	200	10
Chloroethane	ND		ug/kg	1200	260	10
1,1-Dichloroethene	ND		ug/kg	590	140	10
trans-1,2-Dichloroethene	ND		ug/kg	880	80.	10

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-20 D

Date Collected: 10/30/18 13:20

Client ID: WC09_16-18

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	290	80.	10
1,2-Dichlorobenzene	ND		ug/kg	1200	84.	10
1,3-Dichlorobenzene	ND		ug/kg	1200	87.	10
1,4-Dichlorobenzene	ND		ug/kg	1200	100	10
Methyl tert butyl ether	ND		ug/kg	1200	120	10
p/m-Xylene	74000		ug/kg	1200	330	10
o-Xylene	25000		ug/kg	590	170	10
Xylenes, Total	99000		ug/kg	590	170	10
cis-1,2-Dichloroethene	ND		ug/kg	590	100	10
Dibromomethane	ND		ug/kg	1200	140	10
Styrene	ND		ug/kg	590	120	10
Dichlorodifluoromethane	ND		ug/kg	5900	540	10
Acetone	ND		ug/kg	5900	2800	10
Carbon disulfide	ND		ug/kg	5900	2700	10
2-Butanone	ND		ug/kg	5900	1300	10
Vinyl acetate	ND		ug/kg	5900	1300	10
4-Methyl-2-pentanone	ND		ug/kg	5900	750	10
1,2,3-Trichloropropane	ND		ug/kg	1200	74.	10
2-Hexanone	ND		ug/kg	5900	690	10
Bromochloromethane	ND		ug/kg	1200	120	10
2,2-Dichloropropane	ND		ug/kg	1200	120	10
1,2-Dibromoethane	ND		ug/kg	590	160	10
1,3-Dichloropropane	ND		ug/kg	1200	98.	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	290	78.	10
Bromobenzene	ND		ug/kg	1200	85.	10
n-Butylbenzene	2200		ug/kg	590	98.	10
sec-Butylbenzene	1300		ug/kg	590	86.	10
tert-Butylbenzene	180	J	ug/kg	1200	69.	10
o-Chlorotoluene	ND		ug/kg	1200	110	10
p-Chlorotoluene	ND		ug/kg	1200	63.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1800	590	10
Hexachlorobutadiene	ND		ug/kg	2300	99.	10
Isopropylbenzene	3400		ug/kg	590	64.	10
p-Isopropyltoluene	1700		ug/kg	590	64.	10
Naphthalene	8500		ug/kg	2300	380	10
Acrylonitrile	ND		ug/kg	2300	680	10
Tert-Butyl Alcohol	ND		ug/kg	12000	3000	10

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-20 D

Date Collected: 10/30/18 13:20

Client ID: WC09_16-18

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	6200		ug/kg	590	100	10
1,2,3-Trichlorobenzene	ND		ug/kg	1200	190	10
1,2,4-Trichlorobenzene	ND		ug/kg	1200	160	10
1,3,5-Trimethylbenzene	19000		ug/kg	1200	110	10
1,2,4-Trimethylbenzene	47000		ug/kg	1200	200	10
Methyl Acetate	ND		ug/kg	2300	560	10
Acrolein	ND		ug/kg	15000	3300	10
Cyclohexane	48000		ug/kg	5900	320	10
1,4-Dioxane	ND		ug/kg	59000	21000	10
Freon-113	ND		ug/kg	2300	410	10
p-Diethylbenzene	18000		ug/kg	1200	100	10
p-Ethyltoluene	37000		ug/kg	1200	220	10
1,2,4,5-Tetramethylbenzene	5500		ug/kg	1200	110	10
Ethyl ether	ND		ug/kg	1200	200	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	2900	830	10
Methyl cyclohexane	130000		ug/kg	2300	350	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	121		70-130
Toluene-d8	107		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	102		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-21
 Client ID: WC10_9-11
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/18 18:52
 Analyst: MV
 Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	360	170	1
1,1-Dichloroethane	ND		ug/kg	73	10.	1
Chloroform	ND		ug/kg	110	10.	1
Carbon tetrachloride	ND		ug/kg	73	17.	1
1,2-Dichloropropane	ND		ug/kg	73	9.1	1
Dibromochloromethane	ND		ug/kg	73	10.	1
1,1,2-Trichloroethane	ND		ug/kg	73	19.	1
Tetrachloroethene	ND		ug/kg	36	14.	1
Chlorobenzene	ND		ug/kg	36	9.2	1
Trichlorofluoromethane	ND		ug/kg	290	51.	1
1,2-Dichloroethane	ND		ug/kg	73	19.	1
1,1,1-Trichloroethane	ND		ug/kg	36	12.	1
Bromodichloromethane	ND		ug/kg	36	7.9	1
trans-1,3-Dichloropropene	ND		ug/kg	73	20.	1
cis-1,3-Dichloropropene	ND		ug/kg	36	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	36	12.	1
1,1-Dichloropropene	ND		ug/kg	36	12.	1
Bromoform	ND		ug/kg	290	18.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	36	12.	1
Benzene	78		ug/kg	36	12.	1
Toluene	43	J	ug/kg	73	40.	1
Ethylbenzene	240		ug/kg	73	10.	1
Chloromethane	ND		ug/kg	290	68.	1
Bromomethane	ND		ug/kg	140	42.	1
Vinyl chloride	ND		ug/kg	73	24.	1
Chloroethane	ND		ug/kg	140	33.	1
1,1-Dichloroethene	ND		ug/kg	73	17.	1
trans-1,2-Dichloroethene	ND		ug/kg	110	10.	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-21
 Client ID: WC10_9-11
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:00
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	36	10.	1
1,2-Dichlorobenzene	ND		ug/kg	140	10.	1
1,3-Dichlorobenzene	ND		ug/kg	140	11.	1
1,4-Dichlorobenzene	ND		ug/kg	140	12.	1
Methyl tert butyl ether	ND		ug/kg	140	15.	1
p/m-Xylene	170		ug/kg	140	41.	1
o-Xylene	32	J	ug/kg	73	21.	1
Xylenes, Total	200	J	ug/kg	73	21.	1
cis-1,2-Dichloroethene	ND		ug/kg	73	13.	1
Dibromomethane	ND		ug/kg	140	17.	1
Styrene	ND		ug/kg	73	14.	1
Dichlorodifluoromethane	ND		ug/kg	730	67.	1
Acetone	ND		ug/kg	730	350	1
Carbon disulfide	ND		ug/kg	730	330	1
2-Butanone	ND		ug/kg	730	160	1
Vinyl acetate	ND		ug/kg	730	160	1
4-Methyl-2-pentanone	ND		ug/kg	730	93.	1
1,2,3-Trichloropropane	ND		ug/kg	140	9.2	1
2-Hexanone	ND		ug/kg	730	86.	1
Bromochloromethane	ND		ug/kg	140	15.	1
2,2-Dichloropropane	ND		ug/kg	140	15.	1
1,2-Dibromoethane	ND		ug/kg	73	20.	1
1,3-Dichloropropane	ND		ug/kg	140	12.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	36	9.6	1
Bromobenzene	ND		ug/kg	140	10.	1
n-Butylbenzene	440		ug/kg	73	12.	1
sec-Butylbenzene	250		ug/kg	73	11.	1
tert-Butylbenzene	34	J	ug/kg	140	8.6	1
o-Chlorotoluene	ND		ug/kg	140	14.	1
p-Chlorotoluene	ND		ug/kg	140	7.9	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	220	73.	1
Hexachlorobutadiene	ND		ug/kg	290	12.	1
Isopropylbenzene	400		ug/kg	73	7.9	1
p-Isopropyltoluene	44	J	ug/kg	73	7.9	1
Naphthalene	650		ug/kg	290	47.	1
Acrylonitrile	ND		ug/kg	290	84.	1
Tert-Butyl Alcohol	ND		ug/kg	1400	370	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-21**Date Collected:** 10/30/18 10:00**Client ID:** WC10_9-11**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	1300		ug/kg	73	12.	1
1,2,3-Trichlorobenzene	ND		ug/kg	140	23.	1
1,2,4-Trichlorobenzene	ND		ug/kg	140	20.	1
1,3,5-Trimethylbenzene	68	J	ug/kg	140	14.	1
1,2,4-Trimethylbenzene	95	J	ug/kg	140	24.	1
Methyl Acetate	280	J	ug/kg	290	69.	1
Acrolein	ND		ug/kg	1800	410	1
Cyclohexane	4200		ug/kg	730	40.	1
1,4-Dioxane	ND		ug/kg	7300	2600	1
Freon-113	ND		ug/kg	290	50.	1
p-Diethylbenzene	200		ug/kg	140	13.	1
p-Ethyltoluene	140		ug/kg	140	28.	1
1,2,4,5-Tetramethylbenzene	2200		ug/kg	140	14.	1
Ethyl ether	ND		ug/kg	140	25.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	360	100	1
Methyl cyclohexane	9000		ug/kg	290	44.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-22
 Client ID: WC10_16-18
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:05
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/18 08:11
 Analyst: JC
 Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	310	140	1
1,1-Dichloroethane	ND		ug/kg	61	8.9	1
Chloroform	ND		ug/kg	92	8.6	1
Carbon tetrachloride	ND		ug/kg	61	14.	1
1,2-Dichloropropane	ND		ug/kg	61	7.6	1
Dibromochloromethane	ND		ug/kg	61	8.6	1
1,1,2-Trichloroethane	ND		ug/kg	61	16.	1
Tetrachloroethene	ND		ug/kg	31	12.	1
Chlorobenzene	ND		ug/kg	31	7.8	1
Trichlorofluoromethane	ND		ug/kg	240	42.	1
1,2-Dichloroethane	ND		ug/kg	61	16.	1
1,1,1-Trichloroethane	ND		ug/kg	31	10.	1
Bromodichloromethane	ND		ug/kg	31	6.7	1
trans-1,3-Dichloropropene	ND		ug/kg	61	17.	1
cis-1,3-Dichloropropene	ND		ug/kg	31	9.7	1
1,3-Dichloropropene, Total	ND		ug/kg	31	9.7	1
1,1-Dichloropropene	ND		ug/kg	31	9.7	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	31	10.	1
Benzene	130		ug/kg	31	10.	1
Toluene	62		ug/kg	61	33.	1
Ethylbenzene	910		ug/kg	61	8.6	1
Chloromethane	ND		ug/kg	240	57.	1
Bromomethane	ND		ug/kg	120	36.	1
Vinyl chloride	ND		ug/kg	61	20.	1
Chloroethane	ND		ug/kg	120	28.	1
1,1-Dichloroethene	ND		ug/kg	61	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	92	8.4	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-22
 Client ID: WC10_16-18
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:05
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	31	8.4	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,3-Dichlorobenzene	ND		ug/kg	120	9.1	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	2000		ug/kg	120	34.	1
o-Xylene	880		ug/kg	61	18.	1
Xylenes, Total	2900		ug/kg	61	18.	1
cis-1,2-Dichloroethene	ND		ug/kg	61	11.	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	61	12.	1
Dichlorodifluoromethane	ND		ug/kg	610	56.	1
Acetone	ND		ug/kg	610	290	1
Carbon disulfide	ND		ug/kg	610	280	1
2-Butanone	ND		ug/kg	610	140	1
Vinyl acetate	ND		ug/kg	610	130	1
4-Methyl-2-pentanone	ND		ug/kg	610	78.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.8	1
2-Hexanone	ND		ug/kg	610	72.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	61	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	31	8.1	1
Bromobenzene	ND		ug/kg	120	8.9	1
n-Butylbenzene	370		ug/kg	61	10.	1
sec-Butylbenzene	100		ug/kg	61	8.9	1
tert-Butylbenzene	12	J	ug/kg	120	7.2	1
o-Chlorotoluene	ND		ug/kg	120	12.	1
p-Chlorotoluene	ND		ug/kg	120	6.6	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	61.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	190		ug/kg	61	6.7	1
p-Isopropyltoluene	48	J	ug/kg	61	6.7	1
Naphthalene	520		ug/kg	240	40.	1
Acrylonitrile	ND		ug/kg	240	70.	1
Tert-Butyl Alcohol	ND		ug/kg	1200	310	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-22
Client ID: WC10_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	550		ug/kg	61	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	20.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	17.	1
1,3,5-Trimethylbenzene	230		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	580		ug/kg	120	20.	1
Methyl Acetate	ND		ug/kg	240	58.	1
Acrolein	ND		ug/kg	1500	340	1
Cyclohexane	3800		ug/kg	610	33.	1
1,4-Dioxane	ND		ug/kg	6100	2100	1
Freon-113	ND		ug/kg	240	42.	1
p-Diethylbenzene	1000		ug/kg	120	11.	1
p-Ethyltoluene	430		ug/kg	120	24.	1
1,2,4,5-Tetramethylbenzene	830		ug/kg	120	12.	1
Ethyl ether	ND		ug/kg	120	21.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	310	87.	1
Methyl cyclohexane	9200		ug/kg	240	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	96		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-23
 Client ID: WC10_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:10
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/05/18 14:15
 Analyst: JC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.0	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	ND		ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.60	0.23	1
Chlorobenzene	ND		ug/kg	0.60	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.8	0.83	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.31	1
1,1,1-Trichloroethane	ND		ug/kg	0.60	0.20	1
Bromodichloromethane	ND		ug/kg	0.60	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.33	1
cis-1,3-Dichloropropene	ND		ug/kg	0.60	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.60	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.60	0.19	1
Bromoform	ND		ug/kg	4.8	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.60	0.20	1
Benzene	5.8		ug/kg	0.60	0.20	1
Toluene	ND		ug/kg	1.2	0.65	1
Ethylbenzene	ND		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.8	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-23
 Client ID: WC10_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:10
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.60	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	ND		ug/kg	2.4	0.67	1
o-Xylene	ND		ug/kg	1.2	0.35	1
Xylenes, Total	ND		ug/kg	1.2	0.35	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	26		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.60	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	0.44	J	ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.8	0.20	1
Isopropylbenzene	0.57	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.8	0.78	1
Acrylonitrile	ND		ug/kg	4.8	1.4	1
Tert-Butyl Alcohol	17	J	ug/kg	24	6.1	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-23**Date Collected:** 10/30/18 10:10**Client ID:** WC10_18-20**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.76	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.8	1.1	1
Acrolein	ND		ug/kg	30	6.7	1
Cyclohexane	10	J	ug/kg	12	0.65	1
1,4-Dioxane	ND		ug/kg	120	42.	1
Freon-113	ND		ug/kg	4.8	0.83	1
p-Diethylbenzene	0.22	J	ug/kg	2.4	0.21	1
p-Ethyltoluene	ND		ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	1.3	J	ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.41	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.0	1.7	1
Methyl cyclohexane	15		ug/kg	4.8	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-24
Client ID: WC10_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 14:43
Analyst: JC
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.4	2.0	1
1,1-Dichloroethane	ND		ug/kg	0.87	0.13	1
Chloroform	ND		ug/kg	1.3	0.12	1
Carbon tetrachloride	ND		ug/kg	0.87	0.20	1
1,2-Dichloropropane	ND		ug/kg	0.87	0.11	1
Dibromochloromethane	ND		ug/kg	0.87	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.87	0.23	1
Tetrachloroethene	ND		ug/kg	0.44	0.17	1
Chlorobenzene	ND		ug/kg	0.44	0.11	1
Trichlorofluoromethane	ND		ug/kg	3.5	0.60	1
1,2-Dichloroethane	ND		ug/kg	0.87	0.22	1
1,1,1-Trichloroethane	ND		ug/kg	0.44	0.14	1
Bromodichloromethane	ND		ug/kg	0.44	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.87	0.24	1
cis-1,3-Dichloropropene	ND		ug/kg	0.44	0.14	1
1,3-Dichloropropene, Total	ND		ug/kg	0.44	0.14	1
1,1-Dichloropropene	ND		ug/kg	0.44	0.14	1
Bromoform	ND		ug/kg	3.5	0.21	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.44	0.14	1
Benzene	3.1		ug/kg	0.44	0.14	1
Toluene	ND		ug/kg	0.87	0.47	1
Ethylbenzene	0.12	J	ug/kg	0.87	0.12	1
Chloromethane	ND		ug/kg	3.5	0.81	1
Bromomethane	ND		ug/kg	1.7	0.50	1
Vinyl chloride	ND		ug/kg	0.87	0.29	1
Chloroethane	ND		ug/kg	1.7	0.39	1
1,1-Dichloroethene	ND		ug/kg	0.87	0.21	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	0.12	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-24
 Client ID: WC10_20-22
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:15
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.44	0.12	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.7	0.13	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	0.15	1
Methyl tert butyl ether	ND		ug/kg	1.7	0.17	1
p/m-Xylene	ND		ug/kg	1.7	0.49	1
o-Xylene	ND		ug/kg	0.87	0.25	1
Xylenes, Total	ND		ug/kg	0.87	0.25	1
cis-1,2-Dichloroethene	ND		ug/kg	0.87	0.15	1
Dibromomethane	ND		ug/kg	1.7	0.21	1
Styrene	ND		ug/kg	0.87	0.17	1
Dichlorodifluoromethane	ND		ug/kg	8.7	0.80	1
Acetone	24		ug/kg	8.7	4.2	1
Carbon disulfide	ND		ug/kg	8.7	4.0	1
2-Butanone	ND		ug/kg	8.7	1.9	1
Vinyl acetate	ND		ug/kg	8.7	1.9	1
4-Methyl-2-pentanone	ND		ug/kg	8.7	1.1	1
1,2,3-Trichloropropane	ND		ug/kg	1.7	0.11	1
2-Hexanone	ND		ug/kg	8.7	1.0	1
Bromochloromethane	ND		ug/kg	1.7	0.18	1
2,2-Dichloropropane	ND		ug/kg	1.7	0.18	1
1,2-Dibromoethane	ND		ug/kg	0.87	0.24	1
1,3-Dichloropropane	ND		ug/kg	1.7	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.44	0.11	1
Bromobenzene	ND		ug/kg	1.7	0.13	1
n-Butylbenzene	0.29	J	ug/kg	0.87	0.14	1
sec-Butylbenzene	1.2		ug/kg	0.87	0.13	1
tert-Butylbenzene	0.12	J	ug/kg	1.7	0.10	1
o-Chlorotoluene	ND		ug/kg	1.7	0.17	1
p-Chlorotoluene	ND		ug/kg	1.7	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.6	0.87	1
Hexachlorobutadiene	ND		ug/kg	3.5	0.15	1
Isopropylbenzene	1.2		ug/kg	0.87	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.87	0.10	1
Naphthalene	ND		ug/kg	3.5	0.56	1
Acrylonitrile	ND		ug/kg	3.5	1.0	1
Tert-Butyl Alcohol	ND		ug/kg	17	4.5	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-24**Date Collected:** 10/30/18 10:15**Client ID:** WC10_20-22**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	1.2		ug/kg	0.87	0.15	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	0.28	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	0.24	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.7	0.17	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.7	0.29	1
Methyl Acetate	ND		ug/kg	3.5	0.83	1
Acrolein	ND		ug/kg	22	4.9	1
Cyclohexane	14		ug/kg	8.7	0.47	1
1,4-Dioxane	ND		ug/kg	87	30.	1
Freon-113	ND		ug/kg	3.5	0.60	1
p-Diethylbenzene	0.63	J	ug/kg	1.7	0.15	1
p-Ethyltoluene	ND		ug/kg	1.7	0.33	1
1,2,4,5-Tetramethylbenzene	2.8		ug/kg	1.7	0.17	1
Ethyl ether	ND		ug/kg	1.7	0.30	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.4	1.2	1
Methyl cyclohexane	26		ug/kg	3.5	0.52	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	96		70-130

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-25
 Client ID: WC10_22-24
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:20
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 11/06/18 08:37
 Analyst: JC
 Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	6.4	2.9	1
1,1-Dichloroethane	ND		ug/kg	1.3	0.18	1
Chloroform	ND		ug/kg	1.9	0.18	1
Carbon tetrachloride	ND		ug/kg	1.3	0.29	1
1,2-Dichloropropane	ND		ug/kg	1.3	0.16	1
Dibromochloromethane	ND		ug/kg	1.3	0.18	1
1,1,2-Trichloroethane	ND		ug/kg	1.3	0.34	1
Tetrachloroethene	ND		ug/kg	0.64	0.25	1
Chlorobenzene	ND		ug/kg	0.64	0.16	1
Trichlorofluoromethane	ND		ug/kg	5.1	0.89	1
1,2-Dichloroethane	ND		ug/kg	1.3	0.33	1
1,1,1-Trichloroethane	ND		ug/kg	0.64	0.21	1
Bromodichloromethane	ND		ug/kg	0.64	0.14	1
trans-1,3-Dichloropropene	ND		ug/kg	1.3	0.35	1
cis-1,3-Dichloropropene	ND		ug/kg	0.64	0.20	1
1,3-Dichloropropene, Total	ND		ug/kg	0.64	0.20	1
1,1-Dichloropropene	ND		ug/kg	0.64	0.20	1
Bromoform	ND		ug/kg	5.1	0.31	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.64	0.21	1
Benzene	ND		ug/kg	0.64	0.21	1
Toluene	ND		ug/kg	1.3	0.70	1
Ethylbenzene	ND		ug/kg	1.3	0.18	1
Chloromethane	ND		ug/kg	5.1	1.2	1
Bromomethane	ND		ug/kg	2.6	0.74	1
Vinyl chloride	ND		ug/kg	1.3	0.43	1
Chloroethane	ND		ug/kg	2.6	0.58	1
1,1-Dichloroethene	ND		ug/kg	1.3	0.30	1
trans-1,2-Dichloroethene	ND		ug/kg	1.9	0.18	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-25
 Client ID: WC10_22-24
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:20
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.64	0.18	1
1,2-Dichlorobenzene	ND		ug/kg	2.6	0.18	1
1,3-Dichlorobenzene	ND		ug/kg	2.6	0.19	1
1,4-Dichlorobenzene	ND		ug/kg	2.6	0.22	1
Methyl tert butyl ether	ND		ug/kg	2.6	0.26	1
p/m-Xylene	ND		ug/kg	2.6	0.72	1
o-Xylene	ND		ug/kg	1.3	0.37	1
Xylenes, Total	ND		ug/kg	1.3	0.37	1
cis-1,2-Dichloroethene	ND		ug/kg	1.3	0.22	1
Dibromomethane	ND		ug/kg	2.6	0.30	1
Styrene	ND		ug/kg	1.3	0.25	1
Dichlorodifluoromethane	ND		ug/kg	13	1.2	1
Acetone	18		ug/kg	13	6.2	1
Carbon disulfide	ND		ug/kg	13	5.8	1
2-Butanone	ND		ug/kg	13	2.8	1
Vinyl acetate	ND		ug/kg	13	2.8	1
4-Methyl-2-pentanone	ND		ug/kg	13	1.6	1
1,2,3-Trichloropropane	ND		ug/kg	2.6	0.16	1
2-Hexanone	ND		ug/kg	13	1.5	1
Bromochloromethane	ND		ug/kg	2.6	0.26	1
2,2-Dichloropropane	ND		ug/kg	2.6	0.26	1
1,2-Dibromoethane	ND		ug/kg	1.3	0.36	1
1,3-Dichloropropane	ND		ug/kg	2.6	0.21	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.64	0.17	1
Bromobenzene	ND		ug/kg	2.6	0.18	1
n-Butylbenzene	ND		ug/kg	1.3	0.21	1
sec-Butylbenzene	ND		ug/kg	1.3	0.19	1
tert-Butylbenzene	ND		ug/kg	2.6	0.15	1
o-Chlorotoluene	ND		ug/kg	2.6	0.24	1
p-Chlorotoluene	ND		ug/kg	2.6	0.14	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.8	1.3	1
Hexachlorobutadiene	ND		ug/kg	5.1	0.22	1
Isopropylbenzene	ND		ug/kg	1.3	0.14	1
p-Isopropyltoluene	ND		ug/kg	1.3	0.14	1
Naphthalene	ND		ug/kg	5.1	0.83	1
Acrylonitrile	ND		ug/kg	5.1	1.5	1
Tert-Butyl Alcohol	ND		ug/kg	26	6.6	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-25**Date Collected:** 10/30/18 10:20**Client ID:** WC10_22-24**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.3	0.22	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.6	0.41	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.6	0.35	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.6	0.25	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.6	0.43	1
Methyl Acetate	ND		ug/kg	5.1	1.2	1
Acrolein	ND		ug/kg	32	7.2	1
Cyclohexane	0.94	J	ug/kg	13	0.70	1
1,4-Dioxane	ND		ug/kg	130	45.	1
Freon-113	ND		ug/kg	5.1	0.89	1
p-Diethylbenzene	0.30	J	ug/kg	2.6	0.23	1
p-Ethyltoluene	ND		ug/kg	2.6	0.49	1
1,2,4,5-Tetramethylbenzene	0.42	J	ug/kg	2.6	0.24	1
Ethyl ether	ND		ug/kg	2.6	0.44	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	6.4	1.8	1
Methyl cyclohexane	2.7	J	ug/kg	5.1	0.77	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	101		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-26 D
Client ID: DUP02_GRAB_103018
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/05/18 20:10
Analyst: MV
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	5600	2600	20
1,1-Dichloroethane	ND		ug/kg	1100	160	20
Chloroform	ND		ug/kg	1700	160	20
Carbon tetrachloride	ND		ug/kg	1100	260	20
1,2-Dichloropropane	ND		ug/kg	1100	140	20
Dibromochloromethane	ND		ug/kg	1100	160	20
1,1,2-Trichloroethane	ND		ug/kg	1100	300	20
Tetrachloroethene	ND		ug/kg	560	220	20
Chlorobenzene	ND		ug/kg	560	140	20
Trichlorofluoromethane	ND		ug/kg	4500	790	20
1,2-Dichloroethane	ND		ug/kg	1100	290	20
1,1,1-Trichloroethane	ND		ug/kg	560	190	20
Bromodichloromethane	ND		ug/kg	560	120	20
trans-1,3-Dichloropropene	ND		ug/kg	1100	310	20
cis-1,3-Dichloropropene	ND		ug/kg	560	180	20
1,3-Dichloropropene, Total	ND		ug/kg	560	180	20
1,1-Dichloropropene	ND		ug/kg	560	180	20
Bromoform	ND		ug/kg	4500	280	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	560	190	20
Benzene	11000		ug/kg	560	190	20
Toluene	22000		ug/kg	1100	610	20
Ethylbenzene	26000		ug/kg	1100	160	20
Chloromethane	ND		ug/kg	4500	1000	20
Bromomethane	ND		ug/kg	2300	660	20
Vinyl chloride	ND		ug/kg	1100	380	20
Chloroethane	ND		ug/kg	2300	510	20
1,1-Dichloroethene	ND		ug/kg	1100	270	20
trans-1,2-Dichloroethene	ND		ug/kg	1700	160	20

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-26 D

Date Collected: 10/30/18 00:00

Client ID: DUP02_GRAB_103018

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	560	160	20
1,2-Dichlorobenzene	ND		ug/kg	2300	160	20
1,3-Dichlorobenzene	ND		ug/kg	2300	170	20
1,4-Dichlorobenzene	ND		ug/kg	2300	190	20
Methyl tert butyl ether	ND		ug/kg	2300	230	20
p/m-Xylene	120000		ug/kg	2300	630	20
o-Xylene	38000		ug/kg	1100	330	20
Xylenes, Total	160000		ug/kg	1100	330	20
cis-1,2-Dichloroethene	ND		ug/kg	1100	200	20
Dibromomethane	ND		ug/kg	2300	270	20
Styrene	ND		ug/kg	1100	220	20
Dichlorodifluoromethane	ND		ug/kg	11000	1000	20
Acetone	ND		ug/kg	11000	5400	20
Carbon disulfide	ND		ug/kg	11000	5100	20
2-Butanone	ND		ug/kg	11000	2500	20
Vinyl acetate	ND		ug/kg	11000	2400	20
4-Methyl-2-pentanone	ND		ug/kg	11000	1400	20
1,2,3-Trichloropropane	ND		ug/kg	2300	140	20
2-Hexanone	ND		ug/kg	11000	1300	20
Bromochloromethane	ND		ug/kg	2300	230	20
2,2-Dichloropropane	ND		ug/kg	2300	230	20
1,2-Dibromoethane	ND		ug/kg	1100	320	20
1,3-Dichloropropane	ND		ug/kg	2300	190	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	560	150	20
Bromobenzene	ND		ug/kg	2300	160	20
n-Butylbenzene	3800		ug/kg	1100	190	20
sec-Butylbenzene	2100		ug/kg	1100	160	20
tert-Butylbenzene	300	J	ug/kg	2300	130	20
o-Chlorotoluene	ND		ug/kg	2300	220	20
p-Chlorotoluene	ND		ug/kg	2300	120	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	3400	1100	20
Hexachlorobutadiene	ND		ug/kg	4500	190	20
Isopropylbenzene	5900		ug/kg	1100	120	20
p-Isopropyltoluene	2900		ug/kg	1100	120	20
Naphthalene	15000		ug/kg	4500	740	20
Acrylonitrile	ND		ug/kg	4500	1300	20
Tert-Butyl Alcohol	ND		ug/kg	23000	5800	20

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-26 D**Date Collected:** 10/30/18 00:00**Client ID:** DUP02_GRAB_103018**Date Received:** 10/30/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	11000		ug/kg	1100	190	20
1,2,3-Trichlorobenzene	ND		ug/kg	2300	360	20
1,2,4-Trichlorobenzene	ND		ug/kg	2300	310	20
1,3,5-Trimethylbenzene	31000		ug/kg	2300	220	20
1,2,4-Trimethylbenzene	76000		ug/kg	2300	380	20
Methyl Acetate	ND		ug/kg	4500	1100	20
Acrolein	ND		ug/kg	28000	6400	20
Cyclohexane	73000		ug/kg	11000	620	20
1,4-Dioxane	ND		ug/kg	110000	40000	20
Freon-113	ND		ug/kg	4500	780	20
p-Diethylbenzene	32000		ug/kg	2300	200	20
p-Ethyltoluene	61000		ug/kg	2300	430	20
1,2,4,5-Tetramethylbenzene	9900		ug/kg	2300	220	20
Ethyl ether	ND		ug/kg	2300	380	20
trans-1,4-Dichloro-2-butene	ND		ug/kg	5600	1600	20
Methyl cyclohexane	210000		ug/kg	4500	680	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	114		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 11/03/18 09:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14	1
1,1-Dichloropropene	ND		ug/l	2.5	0.70	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-27
 Client ID: FIELD BLANK
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
Xylenes, Total	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Dibromomethane	ND		ug/l	5.0	1.0	1
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70	1
Acrylonitrile	ND		ug/l	5.0	1.5	1
Tert-Butyl Alcohol	ND		ug/l	10	1.4	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	6.9		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
Vinyl acetate	ND		ug/l	5.0	1.0	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Acrolein	ND		ug/l	5.0	0.44	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
2,2-Dichloropropane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,3-Dichloropropane	ND		ug/l	2.5	0.70	1
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70	1
Bromobenzene	ND		ug/l	2.5	0.70	1
n-Butylbenzene	ND		ug/l	2.5	0.70	1
sec-Butylbenzene	ND		ug/l	2.5	0.70	1
tert-Butylbenzene	ND		ug/l	2.5	0.70	1
o-Chlorotoluene	ND		ug/l	2.5	0.70	1
p-Chlorotoluene	ND		ug/l	2.5	0.70	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Hexachlorobutadiene	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
p-Isopropyltoluene	ND		ug/l	2.5	0.70	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Naphthalene	ND		ug/l	2.5	0.70	1
n-Propylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
p-Diethylbenzene	ND		ug/l	2.0	0.70	1
p-Ethyltoluene	ND		ug/l	2.0	0.70	1
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54	1
Ethyl ether	ND		ug/l	2.5	0.70	1
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	90		70-130

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/03/18 08:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175821-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
1,3-Dichloropropene, Total	ND		ug/l	0.50	0.14
1,1-Dichloropropene	ND		ug/l	2.5	0.70
Bromoform	ND		ug/l	2.0	0.65
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/03/18 08:54

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175821-5					
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
Xylenes, Total	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Dibromomethane	ND		ug/l	5.0	1.0
1,2,3-Trichloropropane	ND		ug/l	2.5	0.70
Acrylonitrile	ND		ug/l	5.0	1.5
Tert-Butyl Alcohol	ND		ug/l	10	1.4
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
Vinyl acetate	ND		ug/l	5.0	1.0
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Acrolein	ND		ug/l	5.0	0.44
Bromochloromethane	ND		ug/l	2.5	0.70
2,2-Dichloropropane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,3-Dichloropropane	ND		ug/l	2.5	0.70
1,1,1,2-Tetrachloroethane	ND		ug/l	2.5	0.70
Bromobenzene	ND		ug/l	2.5	0.70
n-Butylbenzene	ND		ug/l	2.5	0.70
sec-Butylbenzene	ND		ug/l	2.5	0.70

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/03/18 08:54
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175821-5					
tert-Butylbenzene	ND		ug/l	2.5	0.70
o-Chlorotoluene	ND		ug/l	2.5	0.70
p-Chlorotoluene	ND		ug/l	2.5	0.70
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Hexachlorobutadiene	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
p-Isopropyltoluene	ND		ug/l	2.5	0.70
Naphthalene	ND		ug/l	2.5	0.70
n-Propylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
1,3,5-Trimethylbenzene	ND		ug/l	2.5	0.70
1,2,4-Trimethylbenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
p-Diethylbenzene	ND		ug/l	2.0	0.70
p-Ethyltoluene	ND		ug/l	2.0	0.70
1,2,4,5-Tetramethylbenzene	ND		ug/l	2.0	0.54
Ethyl ether	ND		ug/l	2.5	0.70
trans-1,4-Dichloro-2-butene	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/03/18 08:54

Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175821-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	94		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	95		70-130
Dibromofluoromethane	91		70-130

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/18 06:51
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.15	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/05/18 06:51

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/05/18 06:51

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/05/18 06:51

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/18 17:33
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,20-21,26 Batch: WG1176325-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	48	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/18 17:33
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,20-21,26 Batch: WG1176325-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	10	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/05/18 17:33
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,20-21,26 Batch: WG1176325-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/05/18 17:33

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 05,20-21,26 Batch: WG1176325-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	117		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	96		70-130
Dibromofluoromethane	105		70-130

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/18 07:37
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 25 Batch: WG1176431-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/18 07:37
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 25 Batch: WG1176431-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.24	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 07:37

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 25 Batch: WG1176431-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 07:37

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 25 Batch: WG1176431-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/18 07:37
 Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1176433-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 07:37

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1176433-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	12	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 07:37

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1176433-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 07:37

Analyst: JC

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 22 Batch: WG1176433-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	109		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175821-3 WG1175821-4								
Methylene chloride	87		82		70-130	6		20
1,1-Dichloroethane	98		94		70-130	4		20
Chloroform	85		81		70-130	5		20
Carbon tetrachloride	77		73		63-132	5		20
1,2-Dichloropropane	110		100		70-130	10		20
Dibromochloromethane	92		87		63-130	6		20
1,1,2-Trichloroethane	96		90		70-130	6		20
Tetrachloroethene	92		86		70-130	7		20
Chlorobenzene	97		91		75-130	6		20
Trichlorofluoromethane	70		68		62-150	3		20
1,2-Dichloroethane	90		84		70-130	7		20
1,1,1-Trichloroethane	82		78		67-130	5		20
Bromodichloromethane	85		80		67-130	6		20
trans-1,3-Dichloropropene	87		82		70-130	6		20
cis-1,3-Dichloropropene	88		81		70-130	8		20
1,1-Dichloropropene	82		77		70-130	6		20
Bromoform	84		79		54-136	6		20
1,1,2,2-Tetrachloroethane	94		88		67-130	7		20
Benzene	92		88		70-130	4		20
Toluene	97		90		70-130	7		20
Ethylbenzene	96		90		70-130	6		20
Chloromethane	110		100		64-130	10		20
Bromomethane	54		53		39-139	2		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175821-3 WG1175821-4								
Vinyl chloride	110		100		55-140	10		20
Chloroethane	95		90		55-138	5		20
1,1-Dichloroethene	80		76		61-145	5		20
trans-1,2-Dichloroethene	86		81		70-130	6		20
Trichloroethene	88		82		70-130	7		20
1,2-Dichlorobenzene	99		93		70-130	6		20
1,3-Dichlorobenzene	100		94		70-130	6		20
1,4-Dichlorobenzene	99		92		70-130	7		20
Methyl tert butyl ether	84		81		63-130	4		20
p/m-Xylene	100		95		70-130	5		20
o-Xylene	100		95		70-130	5		20
cis-1,2-Dichloroethene	90		84		70-130	7		20
Dibromomethane	87		82		70-130	6		20
1,2,3-Trichloropropane	97		93		64-130	4		20
Acrylonitrile	120		120		70-130	0		20
Tert-Butyl Alcohol	128		124		70-130	3		20
Styrene	95		90		70-130	5		20
Dichlorodifluoromethane	78		76		36-147	3		20
Acetone	150	Q	79		58-148	62	Q	20
Carbon disulfide	87		78		51-130	11		20
2-Butanone	100		84		63-138	17		20
Vinyl acetate	81		76		70-130	6		20
4-Methyl-2-pentanone	120		110		59-130	9		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175821-3 WG1175821-4								
2-Hexanone	96		83		57-130	15		20
Acrolein	75		68		40-160	10		20
Bromochloromethane	98		92		70-130	6		20
2,2-Dichloropropane	81		76		63-133	6		20
1,2-Dibromoethane	94		90		70-130	4		20
1,3-Dichloropropane	96		90		70-130	6		20
1,1,1,2-Tetrachloroethane	94		88		64-130	7		20
Bromobenzene	96		91		70-130	5		20
n-Butylbenzene	100		93		53-136	7		20
sec-Butylbenzene	100		95		70-130	5		20
tert-Butylbenzene	100		93		70-130	7		20
o-Chlorotoluene	100		92		70-130	8		20
p-Chlorotoluene	100		93		70-130	7		20
1,2-Dibromo-3-chloropropane	81		78		41-144	4		20
Hexachlorobutadiene	96		89		63-130	8		20
Isopropylbenzene	100		94		70-130	6		20
p-Isopropyltoluene	100		94		70-130	6		20
Naphthalene	76		73		70-130	4		20
n-Propylbenzene	100		92		69-130	8		20
1,2,3-Trichlorobenzene	73		69	Q	70-130	6		20
1,2,4-Trichlorobenzene	85		82		70-130	4		20
1,3,5-Trimethylbenzene	100		96		64-130	4		20
1,2,4-Trimethylbenzene	100		97		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175821-3 WG1175821-4								
Methyl Acetate	110		110		70-130	0		20
Cyclohexane	100		99		70-130	1		20
1,4-Dioxane	142		134		56-162	6		20
Freon-113	73		73		70-130	0		20
p-Diethylbenzene	100		98		70-130	2		20
p-Ethyltoluene	110		99		70-130	11		20
1,2,4,5-Tetramethylbenzene	98		94		70-130	4		20
Ethyl ether	87		84		59-134	4		20
trans-1,4-Dichloro-2-butene	110		100		70-130	10		20
Methyl cyclohexane	84		81		70-130	4		20

Surrogate	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		93		70-130
Toluene-d8	103		104		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	92		92		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-3 WG1176202-4								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	99		96		70-130	3		30
Chloroform	98		98		70-130	0		30
Carbon tetrachloride	85		85		70-130	0		30
1,2-Dichloropropane	101		100		70-130	1		30
Dibromochloromethane	80		81		70-130	1		30
1,1,2-Trichloroethane	102		101		70-130	1		30
Tetrachloroethene	84		80		70-130	5		30
Chlorobenzene	88		87		70-130	1		30
Trichlorofluoromethane	123		122		70-139	1		30
1,2-Dichloroethane	94		94		70-130	0		30
1,1,1-Trichloroethane	87		87		70-130	0		30
Bromodichloromethane	89		89		70-130	0		30
trans-1,3-Dichloropropene	91		92		70-130	1		30
cis-1,3-Dichloropropene	92		92		70-130	0		30
1,1-Dichloropropene	94		92		70-130	2		30
Bromoform	76		76		70-130	0		30
1,1,2,2-Tetrachloroethane	99		97		70-130	2		30
Benzene	108		106		70-130	2		30
Toluene	96		94		70-130	2		30
Ethylbenzene	98		95		70-130	3		30
Chloromethane	75		74		52-130	1		30
Bromomethane	122		127		57-147	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-3 WG1176202-4								
Vinyl chloride	112		107		67-130	5		30
Chloroethane	123		119		50-151	3		30
1,1-Dichloroethene	96		93		65-135	3		30
trans-1,2-Dichloroethene	99		96		70-130	3		30
Trichloroethene	95		93		70-130	2		30
1,2-Dichlorobenzene	91		88		70-130	3		30
1,3-Dichlorobenzene	90		88		70-130	2		30
1,4-Dichlorobenzene	92		88		70-130	4		30
Methyl tert butyl ether	92		90		66-130	2		30
p/m-Xylene	95		93		70-130	2		30
o-Xylene	87		86		70-130	1		30
cis-1,2-Dichloroethene	100		98		70-130	2		30
Dibromomethane	98		97		70-130	1		30
Styrene	86		86		70-130	0		30
Dichlorodifluoromethane	64		61		30-146	5		30
Acetone	117		113		54-140	3		30
Carbon disulfide	86		84		59-130	2		30
2-Butanone	71		72		70-130	1		30
Vinyl acetate	64	Q	64	Q	70-130	0		30
4-Methyl-2-pentanone	87		88		70-130	1		30
1,2,3-Trichloropropane	100		96		68-130	4		30
2-Hexanone	76		72		70-130	5		30
Bromochloromethane	95		94		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-3 WG1176202-4								
2,2-Dichloropropane	91		88		70-130	3		30
1,2-Dibromoethane	96		95		70-130	1		30
1,3-Dichloropropane	101		100		69-130	1		30
1,1,1,2-Tetrachloroethane	81		80		70-130	1		30
Bromobenzene	88		85		70-130	3		30
n-Butylbenzene	101		98		70-130	3		30
sec-Butylbenzene	97		94		70-130	3		30
tert-Butylbenzene	93		89		70-130	4		30
o-Chlorotoluene	85		82		70-130	4		30
p-Chlorotoluene	97		94		70-130	3		30
1,2-Dibromo-3-chloropropane	78		80		68-130	3		30
Hexachlorobutadiene	85		83		67-130	2		30
Isopropylbenzene	96		92		70-130	4		30
p-Isopropyltoluene	93		90		70-130	3		30
Naphthalene	89		89		70-130	0		30
Acrylonitrile	109		106		70-130	3		30
Tert-Butyl Alcohol	83		84		70-130	1		30
n-Propylbenzene	100		96		70-130	4		30
1,2,3-Trichlorobenzene	89		87		70-130	2		30
1,2,4-Trichlorobenzene	90		88		70-130	2		30
1,3,5-Trimethylbenzene	94		91		70-130	3		30
1,2,4-Trimethylbenzene	94		91		70-130	3		30
Methyl Acetate	97		96		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,04,06-08,13,23-24 Batch: WG1176202-3 WG1176202-4								
Acrolein	73		69	Q	70-130	6		30
Cyclohexane	87		83		59-142	5		30
1,4-Dioxane	106		107		65-136	1		30
Freon-113	91		89		50-139	2		30
p-Diethylbenzene	89		86		70-130	3		30
p-Ethyltoluene	92		89		70-130	3		30
1,2,4,5-Tetramethylbenzene	87		84		70-130	4		30
Ethyl ether	126		126		67-130	0		30
trans-1,4-Dichloro-2-butene	87		75		70-130	15		30
Methyl cyclohexane	92		90		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		94		70-130
Toluene-d8	99		97		70-130
4-Bromofluorobenzene	104		101		70-130
Dibromofluoromethane	96		97		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,20-21,26 Batch: WG1176325-3 WG1176325-4								
Methylene chloride	98		99		70-130	1		30
1,1-Dichloroethane	106		107		70-130	1		30
Chloroform	117		117		70-130	0		30
Carbon tetrachloride	112		110		70-130	2		30
1,2-Dichloropropane	103		104		70-130	1		30
Dibromochloromethane	111		115		70-130	4		30
1,1,2-Trichloroethane	108		110		70-130	2		30
Tetrachloroethene	115		114		70-130	1		30
Chlorobenzene	105		107		70-130	2		30
Trichlorofluoromethane	114		112		70-139	2		30
1,2-Dichloroethane	117		119		70-130	2		30
1,1,1-Trichloroethane	123		121		70-130	2		30
Bromodichloromethane	125		126		70-130	1		30
trans-1,3-Dichloropropene	113		117		70-130	3		30
cis-1,3-Dichloropropene	116		119		70-130	3		30
1,1-Dichloropropene	115		113		70-130	2		30
Bromoform	113		116		70-130	3		30
1,1,2,2-Tetrachloroethane	100		101		70-130	1		30
Benzene	108		108		70-130	0		30
Toluene	107		110		70-130	3		30
Ethylbenzene	109		110		70-130	1		30
Chloromethane	79		77		52-130	3		30
Bromomethane	118		115		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,20-21,26 Batch: WG1176325-3 WG1176325-4								
Vinyl chloride	97		96		67-130	1		30
Chloroethane	125		124		50-151	1		30
1,1-Dichloroethene	103		101		65-135	2		30
trans-1,2-Dichloroethene	107		106		70-130	1		30
Trichloroethene	113		113		70-130	0		30
1,2-Dichlorobenzene	104		106		70-130	2		30
1,3-Dichlorobenzene	106		107		70-130	1		30
1,4-Dichlorobenzene	102		104		70-130	2		30
Methyl tert butyl ether	110		114		66-130	4		30
p/m-Xylene	112		112		70-130	0		30
o-Xylene	114		116		70-130	2		30
cis-1,2-Dichloroethene	108		110		70-130	2		30
Dibromomethane	113		114		70-130	1		30
Styrene	104		107		70-130	3		30
Dichlorodifluoromethane	55		52		30-146	6		30
Acetone	108		108		54-140	0		30
Carbon disulfide	94		94		59-130	0		30
2-Butanone	102		93		70-130	9		30
Vinyl acetate	102		100		70-130	2		30
4-Methyl-2-pentanone	90		93		70-130	3		30
1,2,3-Trichloropropane	103		103		68-130	0		30
2-Hexanone	87		89		70-130	2		30
Bromochloromethane	108		111		70-130	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,20-21,26 Batch: WG1176325-3 WG1176325-4								
2,2-Dichloropropane	120		118		70-130	2		30
1,2-Dibromoethane	109		109		70-130	0		30
1,3-Dichloropropane	109		112		69-130	3		30
1,1,1,2-Tetrachloroethane	115		117		70-130	2		30
Bromobenzene	103		107		70-130	4		30
n-Butylbenzene	105		106		70-130	1		30
sec-Butylbenzene	103		105		70-130	2		30
tert-Butylbenzene	102		104		70-130	2		30
o-Chlorotoluene	104		106		70-130	2		30
p-Chlorotoluene	104		105		70-130	1		30
1,2-Dibromo-3-chloropropane	98		98		68-130	0		30
Hexachlorobutadiene	126		127		67-130	1		30
Isopropylbenzene	102		103		70-130	1		30
p-Isopropyltoluene	104		105		70-130	1		30
Naphthalene	103		104		70-130	1		30
Acrylonitrile	101		103		70-130	2		30
Tert-Butyl Alcohol	106		106		70-130	0		30
n-Propylbenzene	103		103		70-130	0		30
1,2,3-Trichlorobenzene	117		116		70-130	1		30
1,2,4-Trichlorobenzene	117		116		70-130	1		30
1,3,5-Trimethylbenzene	104		106		70-130	2		30
1,2,4-Trimethylbenzene	106		108		70-130	2		30
Methyl Acetate	93		95		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 05,20-21,26 Batch: WG1176325-3 WG1176325-4								
Acrolein	89		91		70-130	2		30
Cyclohexane	95		94		59-142	1		30
1,4-Dioxane	121		115		65-136	5		30
Freon-113	105		103		50-139	2		30
p-Diethylbenzene	104		105		70-130	1		30
p-Ethyltoluene	104		105		70-130	1		30
1,2,4,5-Tetramethylbenzene	103		104		70-130	1		30
Ethyl ether	105		108		67-130	3		30
trans-1,4-Dichloro-2-butene	93		93		70-130	0		30
Methyl cyclohexane	98		96		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	117		114		70-130
Toluene-d8	102		102		70-130
4-Bromofluorobenzene	96		98		70-130
Dibromofluoromethane	109		110		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 25 Batch: WG1176431-3 WG1176431-4								
Methylene chloride	102		103		70-130	1		30
1,1-Dichloroethane	106		107		70-130	1		30
Chloroform	117		114		70-130	3		30
Carbon tetrachloride	104		106		70-130	2		30
1,2-Dichloropropane	107		107		70-130	0		30
Dibromochloromethane	115		113		70-130	2		30
1,1,2-Trichloroethane	116		113		70-130	3		30
Tetrachloroethene	114		112		70-130	2		30
Chlorobenzene	109		108		70-130	1		30
Trichlorofluoromethane	110		110		70-139	0		30
1,2-Dichloroethane	114		112		70-130	2		30
1,1,1-Trichloroethane	115		116		70-130	1		30
Bromodichloromethane	123		123		70-130	0		30
trans-1,3-Dichloropropene	118		116		70-130	2		30
cis-1,3-Dichloropropene	123		121		70-130	2		30
1,1-Dichloropropene	115		114		70-130	1		30
Bromoform	120		116		70-130	3		30
1,1,2,2-Tetrachloroethane	108		104		70-130	4		30
Benzene	110		110		70-130	0		30
Toluene	108		108		70-130	0		30
Ethylbenzene	111		110		70-130	1		30
Chloromethane	88		89		52-130	1		30
Bromomethane	134		130		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 25 Batch: WG1176431-3 WG1176431-4								
Vinyl chloride	111		108		67-130	3		30
Chloroethane	139		134		50-151	4		30
1,1-Dichloroethene	106		106		65-135	0		30
trans-1,2-Dichloroethene	108		110		70-130	2		30
Trichloroethene	114		116		70-130	2		30
1,2-Dichlorobenzene	107		108		70-130	1		30
1,3-Dichlorobenzene	107		107		70-130	0		30
1,4-Dichlorobenzene	105		106		70-130	1		30
Methyl tert butyl ether	121		118		66-130	3		30
p/m-Xylene	113		113		70-130	0		30
o-Xylene	116		118		70-130	2		30
cis-1,2-Dichloroethene	113		112		70-130	1		30
Dibromomethane	118		115		70-130	3		30
Styrene	108		108		70-130	0		30
Dichlorodifluoromethane	92		92		30-146	0		30
Acetone	101		95		54-140	6		30
Carbon disulfide	99		100		59-130	1		30
2-Butanone	112		107		70-130	5		30
Vinyl acetate	101		96		70-130	5		30
4-Methyl-2-pentanone	100		97		70-130	3		30
1,2,3-Trichloropropane	111		106		68-130	5		30
2-Hexanone	97		94		70-130	3		30
Bromochloromethane	116		114		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 25 Batch: WG1176431-3 WG1176431-4								
2,2-Dichloropropane	115		114		70-130	1		30
1,2-Dibromoethane	118		114		70-130	3		30
1,3-Dichloropropane	115		113		69-130	2		30
1,1,1,2-Tetrachloroethane	115		115		70-130	0		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	105		109		70-130	4		30
sec-Butylbenzene	102		104		70-130	2		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	105		107		70-130	2		30
1,2-Dibromo-3-chloropropane	104		104		68-130	0		30
Hexachlorobutadiene	125		126		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	106		107		70-130	1		30
Naphthalene	111		109		70-130	2		30
Acrylonitrile	112		104		70-130	7		30
Tert-Butyl Alcohol	116		108		70-130	7		30
n-Propylbenzene	104		105		70-130	1		30
1,2,3-Trichlorobenzene	118		119		70-130	1		30
1,2,4-Trichlorobenzene	120		121		70-130	1		30
1,3,5-Trimethylbenzene	106		107		70-130	1		30
1,2,4-Trimethylbenzene	108		110		70-130	2		30
Methyl Acetate	99		97		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 25 Batch: WG1176431-3 WG1176431-4								
Acrolein	97		94		70-130	3		30
Cyclohexane	97		95		59-142	2		30
1,4-Dioxane	118		108		65-136	9		30
Freon-113	105		104		50-139	1		30
p-Diethylbenzene	106		108		70-130	2		30
p-Ethyltoluene	106		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	106		108		70-130	2		30
Ethyl ether	116		112		67-130	4		30
trans-1,4-Dichloro-2-butene	89		92		70-130	3		30
Methyl cyclohexane	101		101		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	105		106		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1176433-3 WG1176433-4								
Methylene chloride	102		103		70-130	1		30
1,1-Dichloroethane	106		107		70-130	1		30
Chloroform	117		114		70-130	3		30
Carbon tetrachloride	104		106		70-130	2		30
1,2-Dichloropropane	107		107		70-130	0		30
Dibromochloromethane	115		113		70-130	2		30
1,1,2-Trichloroethane	116		113		70-130	3		30
Tetrachloroethene	114		112		70-130	2		30
Chlorobenzene	109		108		70-130	1		30
Trichlorofluoromethane	110		110		70-139	0		30
1,2-Dichloroethane	114		112		70-130	2		30
1,1,1-Trichloroethane	115		116		70-130	1		30
Bromodichloromethane	123		123		70-130	0		30
trans-1,3-Dichloropropene	118		116		70-130	2		30
cis-1,3-Dichloropropene	123		121		70-130	2		30
1,1-Dichloropropene	115		114		70-130	1		30
Bromoform	120		116		70-130	3		30
1,1,2,2-Tetrachloroethane	108		104		70-130	4		30
Benzene	110		110		70-130	0		30
Toluene	108		108		70-130	0		30
Ethylbenzene	111		110		70-130	1		30
Chloromethane	88		89		52-130	1		30
Bromomethane	134		130		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1176433-3 WG1176433-4								
Vinyl chloride	111		108		67-130	3		30
Chloroethane	139		134		50-151	4		30
1,1-Dichloroethene	106		106		65-135	0		30
trans-1,2-Dichloroethene	108		110		70-130	2		30
Trichloroethene	114		116		70-130	2		30
1,2-Dichlorobenzene	107		108		70-130	1		30
1,3-Dichlorobenzene	107		107		70-130	0		30
1,4-Dichlorobenzene	105		106		70-130	1		30
Methyl tert butyl ether	121		118		66-130	3		30
p/m-Xylene	113		113		70-130	0		30
o-Xylene	116		118		70-130	2		30
cis-1,2-Dichloroethene	113		112		70-130	1		30
Dibromomethane	118		115		70-130	3		30
Styrene	108		108		70-130	0		30
Dichlorodifluoromethane	92		92		30-146	0		30
Acetone	101		95		54-140	6		30
Carbon disulfide	99		100		59-130	1		30
2-Butanone	112		107		70-130	5		30
Vinyl acetate	101		96		70-130	5		30
4-Methyl-2-pentanone	100		97		70-130	3		30
1,2,3-Trichloropropane	111		106		68-130	5		30
2-Hexanone	97		94		70-130	3		30
Bromochloromethane	116		114		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1176433-3 WG1176433-4								
2,2-Dichloropropane	115		114		70-130	1		30
1,2-Dibromoethane	118		114		70-130	3		30
1,3-Dichloropropane	115		113		69-130	2		30
1,1,1,2-Tetrachloroethane	115		115		70-130	0		30
Bromobenzene	108		109		70-130	1		30
n-Butylbenzene	105		109		70-130	4		30
sec-Butylbenzene	102		104		70-130	2		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	104		107		70-130	3		30
p-Chlorotoluene	105		107		70-130	2		30
1,2-Dibromo-3-chloropropane	104		104		68-130	0		30
Hexachlorobutadiene	125		126		67-130	1		30
Isopropylbenzene	104		104		70-130	0		30
p-Isopropyltoluene	106		107		70-130	1		30
Naphthalene	111		109		70-130	2		30
Acrylonitrile	112		104		70-130	7		30
Tert-Butyl Alcohol	116		108		70-130	7		30
n-Propylbenzene	104		105		70-130	1		30
1,2,3-Trichlorobenzene	118		119		70-130	1		30
1,2,4-Trichlorobenzene	120		121		70-130	1		30
1,3,5-Trimethylbenzene	106		107		70-130	1		30
1,2,4-Trimethylbenzene	108		110		70-130	2		30
Methyl Acetate	99		97		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 22 Batch: WG1176433-3 WG1176433-4								
Acrolein	97		94		70-130	3		30
Cyclohexane	97		95		59-142	2		30
1,4-Dioxane	118		108		65-136	9		30
Freon-113	105		104		50-139	1		30
p-Diethylbenzene	106		108		70-130	2		30
p-Ethyltoluene	106		107		70-130	1		30
1,2,4,5-Tetramethylbenzene	106		108		70-130	2		30
Ethyl ether	116		112		67-130	4		30
trans-1,4-Dichloro-2-butene	89		92		70-130	3		30
Methyl cyclohexane	101		101		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		107		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	97		97		70-130
Dibromofluoromethane	105		106		70-130

SEMIVOLATILES

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-03
 Client ID: COMP04_0-12
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/02/18 04:54
 Analyst: RC
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	390		ug/kg	140	19.	1
Benzidine	ND		ug/kg	590	190	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	20.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	24.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	32.	1
1,3-Dichlorobenzene	ND		ug/kg	180	31.	1
1,4-Dichlorobenzene	ND		ug/kg	180	31.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	48.	1
2,4-Dinitrotoluene	ND		ug/kg	180	36.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Azobenzene	ND		ug/kg	180	17.	1
Fluoranthene	5800		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	19.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	27.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	190	18.	1
Hexachlorobutadiene	ND		ug/kg	180	26.	1
Hexachlorocyclopentadiene	ND		ug/kg	510	160	1
Hexachloroethane	ND		ug/kg	140	29.	1
Isophorone	ND		ug/kg	160	23.	1
Naphthalene	580		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	26.	1
NDPA/DPA	ND		ug/kg	140	20.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	62.	1
Butyl benzyl phthalate	ND		ug/kg	180	45.	1

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
 Client ID: COMP04_0-12
 Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	34.	1
Di-n-octylphthalate	ND		ug/kg	180	61.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	2600		ug/kg	110	20.	1
Benzo(a)pyrene	2300		ug/kg	140	44.	1
Benzo(b)fluoranthene	2800		ug/kg	110	30.	1
Benzo(k)fluoranthene	950		ug/kg	110	29.	1
Chrysene	2300		ug/kg	110	19.	1
Acenaphthylene	590		ug/kg	140	28.	1
Anthracene	1800		ug/kg	110	35.	1
Benzo(ghi)perylene	1300		ug/kg	140	21.	1
Fluorene	390		ug/kg	180	17.	1
Phenanthrene	5600		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	340		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	1400		ug/kg	140	25.	1
Pyrene	4900		ug/kg	110	18.	1
Biphenyl	97	J	ug/kg	410	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	74.	1
Dibenzofuran	570		ug/kg	180	17.	1
2-Methylnaphthalene	260		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	22.	1
n-Nitrosodimethylamine	ND		ug/kg	360	34.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	34.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	21.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	59.	1
2-Nitrophenol	ND		ug/kg	390	68.	1
4-Nitrophenol	ND		ug/kg	250	73.	1
2,4-Dinitrophenol	ND		ug/kg	860	84.	1
4,6-Dinitro-o-cresol	ND		ug/kg	470	86.	1
Pentachlorophenol	ND		ug/kg	140	40.	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	27.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	28.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	34.	1
Benzoic Acid	ND		ug/kg	580	180	1
Benzyl Alcohol	ND		ug/kg	180	55.	1
Carbazole	620		ug/kg	180	17.	1
Atrazine	ND		ug/kg	140	63.	1
Benzaldehyde	ND		ug/kg	240	48.	1
Caprolactam	ND		ug/kg	180	54.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	55		10-120
Nitrobenzene-d5	67		23-120
2-Fluorobiphenyl	57		30-120
2,4,6-Tribromophenol	54		10-136
4-Terphenyl-d14	51		18-120

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-09
 Client ID: COMP0304_12-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/02/18 02:23
 Analyst: RC
 Percent Solids: 79%

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	21.	1
Benzidine	ND		ug/kg	680	220	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Azobenzene	ND		ug/kg	200	20.	1
Fluoranthene	ND		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-09
 Client ID: COMP0304_12-20
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	ND		ug/kg	120	23.	1
Benzo(a)pyrene	ND		ug/kg	160	50.	1
Benzo(b)fluoranthene	ND		ug/kg	120	35.	1
Benzo(k)fluoranthene	ND		ug/kg	120	33.	1
Chrysene	ND		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	ND		ug/kg	120	40.	1
Benzo(ghi)perylene	ND		ug/kg	160	24.	1
Fluorene	ND		ug/kg	200	20.	1
Phenanthrene	ND		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	29.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	22.	1
Acetophenone	ND		ug/kg	200	25.	1
n-Nitrosodimethylamine	ND		ug/kg	410	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	ND		ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	56.	1
Caprolactam	ND		ug/kg	200	63.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	68		10-136
4-Terphenyl-d14	70		18-120

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-10
 Client ID: COMP03_0-12
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/02/18 05:20
 Analyst: RC
 Percent Solids: 86%

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	920		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	7800	E	ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	940		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
 Client ID: COMP03_0-12
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	4800		ug/kg	110	22.	1
Benzo(a)pyrene	4000		ug/kg	150	47.	1
Benzo(b)fluoranthene	5200		ug/kg	110	32.	1
Benzo(k)fluoranthene	1500		ug/kg	110	31.	1
Chrysene	4100		ug/kg	110	20.	1
Acenaphthylene	990		ug/kg	150	30.	1
Anthracene	3100		ug/kg	110	37.	1
Benzo(ghi)perylene	2400		ug/kg	150	22.	1
Fluorene	990		ug/kg	190	18.	1
Phenanthrene	8400	E	ug/kg	110	23.	1
Dibenzo(a,h)anthracene	650		ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	2600		ug/kg	150	27.	1
Pyrene	6500		ug/kg	110	19.	1
Biphenyl	220	J	ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	1300		ug/kg	190	18.	1
2-Methylnaphthalene	540		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	42	J	ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	1200		ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	110	J	ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	37		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	91		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	21		10-136
4-Terphenyl-d14	61		18-120

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10 D
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/02/18 16:54
Analyst: RC
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Semivolatile Organics by GC/MS - Westborough Lab

Fluoranthene	12000		ug/kg	230	44.	2
Phenanthrene	13000		ug/kg	230	46.	2

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-14
 Client ID: COMP05_0-13
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/02/18 05:45
 Analyst: RC
 Percent Solids: 84%

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	640	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	35.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	91	J	ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	ND		ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	67.	1
Butyl benzyl phthalate	ND		ug/kg	190	49.	1

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-14
 Client ID: COMP05_0-13
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	66.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	53	J	ug/kg	120	22.	1
Benzo(a)pyrene	47	J	ug/kg	150	47.	1
Benzo(b)fluoranthene	76	J	ug/kg	120	32.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	54	J	ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	150	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	59	J	ug/kg	150	23.	1
Fluorene	ND		ug/kg	190	19.	1
Phenanthrene	72	J	ug/kg	120	23.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	61	J	ug/kg	150	27.	1
Pyrene	82	J	ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	45.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	80.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	29.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	64.	1
2-Nitrophenol	ND		ug/kg	420	72.	1
4-Nitrophenol	ND		ug/kg	270	79.	1
2,4-Dinitrophenol	ND		ug/kg	930	90.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	93.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	200	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	ND		ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	68.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	59.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	52		25-120
Phenol-d6	78		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	38		10-136
4-Terphenyl-d14	63		18-120

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-27
 Client ID: FIELD BLANK
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Water
 Analytical Method: 1,8270D
 Analytical Date: 11/04/18 23:18
 Analyst: EK

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 10:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/l	2.0	0.44	1
Benzidine	ND		ug/l	20	1.8	1
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50	1
Hexachlorobenzene	ND		ug/l	2.0	0.46	1
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50	1
2-Chloronaphthalene	ND		ug/l	2.0	0.44	1
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45	1
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40	1
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43	1
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6	1
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2	1
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93	1
Azobenzene	ND		ug/l	2.0	0.37	1
Fluoranthene	ND		ug/l	2.0	0.26	1
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49	1
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38	1
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53	1
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50	1
Hexachlorobutadiene	ND		ug/l	2.0	0.66	1
Hexachlorocyclopentadiene	ND		ug/l	20	0.69	1
Hexachloroethane	ND		ug/l	2.0	0.58	1
Isophorone	ND		ug/l	5.0	1.2	1
Naphthalene	ND		ug/l	2.0	0.46	1
Nitrobenzene	ND		ug/l	2.0	0.77	1
NDPA/DPA	ND		ug/l	2.0	0.42	1
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64	1
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5	1
Butyl benzyl phthalate	ND		ug/l	5.0	1.2	1

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
 Client ID: FIELD BLANK
 Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
 Date Received: 10/30/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/l	5.0	0.39	1
Di-n-octylphthalate	ND		ug/l	5.0	1.3	1
Diethyl phthalate	ND		ug/l	5.0	0.38	1
Dimethyl phthalate	ND		ug/l	5.0	1.8	1
Benzo(a)anthracene	ND		ug/l	2.0	0.32	1
Benzo(a)pyrene	ND		ug/l	2.0	0.41	1
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35	1
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37	1
Chrysene	ND		ug/l	2.0	0.34	1
Acenaphthylene	ND		ug/l	2.0	0.46	1
Anthracene	ND		ug/l	2.0	0.33	1
Benzo(ghi)perylene	ND		ug/l	2.0	0.30	1
Fluorene	ND		ug/l	2.0	0.41	1
Phenanthrene	ND		ug/l	2.0	0.33	1
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32	1
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40	1
Pyrene	ND		ug/l	2.0	0.28	1
Biphenyl	ND		ug/l	2.0	0.46	1
4-Chloroaniline	ND		ug/l	5.0	1.1	1
2-Nitroaniline	ND		ug/l	5.0	0.50	1
3-Nitroaniline	ND		ug/l	5.0	0.81	1
4-Nitroaniline	ND		ug/l	5.0	0.80	1
Dibenzofuran	ND		ug/l	2.0	0.50	1
2-Methylnaphthalene	ND		ug/l	2.0	0.45	1
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44	1
Acetophenone	ND		ug/l	5.0	0.53	1
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76	1
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61	1
p-Chloro-m-cresol	ND		ug/l	2.0	0.35	1
2-Chlorophenol	ND		ug/l	2.0	0.48	1
2,4-Dichlorophenol	ND		ug/l	5.0	0.41	1
2,4-Dimethylphenol	ND		ug/l	5.0	1.8	1
2-Nitrophenol	ND		ug/l	10	0.85	1
4-Nitrophenol	ND		ug/l	10	0.67	1
2,4-Dinitrophenol	ND		ug/l	20	6.6	1
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8	1
Pentachlorophenol	ND		ug/l	10	1.8	1

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/l	5.0	0.57	1
2-Methylphenol	ND		ug/l	5.0	0.49	1
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48	1
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77	1
Benzoic Acid	ND		ug/l	50	2.6	1
Benzyl Alcohol	ND		ug/l	2.0	0.59	1
Carbazole	ND		ug/l	2.0	0.49	1
Atrazine	ND		ug/l	10	0.76	1
Benzaldehyde	ND		ug/l	5.0	0.53	1
Caprolactam	ND		ug/l	10	3.3	1
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	66		21-120
Phenol-d6	55		10-120
Nitrobenzene-d5	84		23-120
2-Fluorobiphenyl	79		15-120
2,4,6-Tribromophenol	80		10-120
4-Terphenyl-d14	71		41-149

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/01/18 23:51
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174542-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	530	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	18.
Hexachlorobenzene	ND		ug/kg	97	18.
Bis(2-chloroethyl)ether	ND		ug/kg	140	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	29.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	28.
3,3'-Dichlorobenzidine	ND		ug/kg	160	43.
2,4-Dinitrotoluene	ND		ug/kg	160	32.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	97	18.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	17.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	190	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	170	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	460	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	140	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	140	24.
NDPA/DPA	ND		ug/kg	130	18.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	56.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/01/18 23:51
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174542-1					
Di-n-octylphthalate	ND		ug/kg	160	55.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	97	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	97	27.
Benzo(k)fluoranthene	ND		ug/kg	97	26.
Chrysene	ND		ug/kg	97	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	97	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	97	20.
Dibenzo(a,h)anthracene	ND		ug/kg	97	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	22.
Pyrene	ND		ug/kg	97	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	29.
2-Nitroaniline	ND		ug/kg	160	31.
3-Nitroaniline	ND		ug/kg	160	30.
4-Nitroaniline	ND		ug/kg	160	67.
Dibenzofuran	ND		ug/kg	160	15.
2-Methylnaphthalene	ND		ug/kg	190	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	320	31.
2,4,6-Trichlorophenol	ND		ug/kg	97	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/01/18 23:51
 Analyst: RC

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 18:58

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174542-1					
2,4-Dichlorophenol	ND		ug/kg	140	26.
2,4-Dimethylphenol	ND		ug/kg	160	53.
2-Nitrophenol	ND		ug/kg	350	61.
4-Nitrophenol	ND		ug/kg	230	66.
2,4-Dinitrophenol	ND		ug/kg	780	75.
4,6-Dinitro-o-cresol	ND		ug/kg	420	78.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	24.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	230	25.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Benzoic Acid	ND		ug/kg	520	160
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	210	44.
Caprolactam	ND		ug/kg	160	49.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	66		10-136
4-Terphenyl-d14	76		18-120



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/18 17:18
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 10:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175650-1					
Acenaphthene	ND		ug/l	2.0	0.44
Benzidine	ND		ug/l	20	1.8
1,2,4-Trichlorobenzene	ND		ug/l	5.0	0.50
Hexachlorobenzene	ND		ug/l	2.0	0.46
Bis(2-chloroethyl)ether	ND		ug/l	2.0	0.50
2-Chloronaphthalene	ND		ug/l	2.0	0.44
1,2-Dichlorobenzene	ND		ug/l	2.0	0.45
1,3-Dichlorobenzene	ND		ug/l	2.0	0.40
1,4-Dichlorobenzene	ND		ug/l	2.0	0.43
3,3'-Dichlorobenzidine	ND		ug/l	5.0	1.6
2,4-Dinitrotoluene	ND		ug/l	5.0	1.2
2,6-Dinitrotoluene	ND		ug/l	5.0	0.93
Azobenzene	ND		ug/l	2.0	0.37
Fluoranthene	ND		ug/l	2.0	0.26
4-Chlorophenyl phenyl ether	ND		ug/l	2.0	0.49
4-Bromophenyl phenyl ether	ND		ug/l	2.0	0.38
Bis(2-chloroisopropyl)ether	ND		ug/l	2.0	0.53
Bis(2-chloroethoxy)methane	ND		ug/l	5.0	0.50
Hexachlorobutadiene	ND		ug/l	2.0	0.66
Hexachlorocyclopentadiene	ND		ug/l	20	0.69
Hexachloroethane	ND		ug/l	2.0	0.58
Isophorone	ND		ug/l	5.0	1.2
Naphthalene	ND		ug/l	2.0	0.46
Nitrobenzene	ND		ug/l	2.0	0.77
NDPA/DPA	ND		ug/l	2.0	0.42
n-Nitrosodi-n-propylamine	ND		ug/l	5.0	0.64
Bis(2-ethylhexyl)phthalate	ND		ug/l	3.0	1.5
Butyl benzyl phthalate	ND		ug/l	5.0	1.2
Di-n-butylphthalate	ND		ug/l	5.0	0.39

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/18 17:18
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 10:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175650-1					
Di-n-octylphthalate	ND		ug/l	5.0	1.3
Diethyl phthalate	ND		ug/l	5.0	0.38
Dimethyl phthalate	ND		ug/l	5.0	1.8
Benzo(a)anthracene	ND		ug/l	2.0	0.32
Benzo(a)pyrene	ND		ug/l	2.0	0.41
Benzo(b)fluoranthene	ND		ug/l	2.0	0.35
Benzo(k)fluoranthene	ND		ug/l	2.0	0.37
Chrysene	ND		ug/l	2.0	0.34
Acenaphthylene	ND		ug/l	2.0	0.46
Anthracene	ND		ug/l	2.0	0.33
Benzo(ghi)perylene	ND		ug/l	2.0	0.30
Fluorene	ND		ug/l	2.0	0.41
Phenanthrene	ND		ug/l	2.0	0.33
Dibenzo(a,h)anthracene	ND		ug/l	2.0	0.32
Indeno(1,2,3-cd)pyrene	ND		ug/l	2.0	0.40
Pyrene	ND		ug/l	2.0	0.28
Biphenyl	ND		ug/l	2.0	0.46
4-Chloroaniline	ND		ug/l	5.0	1.1
2-Nitroaniline	ND		ug/l	5.0	0.50
3-Nitroaniline	ND		ug/l	5.0	0.81
4-Nitroaniline	ND		ug/l	5.0	0.80
Dibenzofuran	ND		ug/l	2.0	0.50
2-Methylnaphthalene	ND		ug/l	2.0	0.45
1,2,4,5-Tetrachlorobenzene	ND		ug/l	10	0.44
Acetophenone	ND		ug/l	5.0	0.53
n-Nitrosodimethylamine	ND		ug/l	2.0	0.76
2,4,6-Trichlorophenol	ND		ug/l	5.0	0.61
p-Chloro-m-cresol	ND		ug/l	2.0	0.35
2-Chlorophenol	ND		ug/l	2.0	0.48

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/18 17:18
 Analyst: ALS

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 10:55

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 27 Batch: WG1175650-1					
2,4-Dichlorophenol	ND		ug/l	5.0	0.41
2,4-Dimethylphenol	ND		ug/l	5.0	1.8
2-Nitrophenol	ND		ug/l	10	0.85
4-Nitrophenol	ND		ug/l	10	0.67
2,4-Dinitrophenol	ND		ug/l	20	6.6
4,6-Dinitro-o-cresol	ND		ug/l	10	1.8
Pentachlorophenol	ND		ug/l	10	1.8
Phenol	ND		ug/l	5.0	0.57
2-Methylphenol	ND		ug/l	5.0	0.49
3-Methylphenol/4-Methylphenol	ND		ug/l	5.0	0.48
2,4,5-Trichlorophenol	ND		ug/l	5.0	0.77
Benzoic Acid	ND		ug/l	50	2.6
Benzyl Alcohol	ND		ug/l	2.0	0.59
Carbazole	ND		ug/l	2.0	0.49
Atrazine	ND		ug/l	10	0.76
Benzaldehyde	ND		ug/l	5.0	0.53
Caprolactam	ND		ug/l	10	3.3
2,3,4,6-Tetrachlorophenol	ND		ug/l	5.0	0.84

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	54		21-120
Phenol-d6	45		10-120
Nitrobenzene-d5	65		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	48		10-120
4-Terphenyl-d14	64		41-149

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174542-2 WG1174542-3								
Acenaphthene	84		81		31-137	4		50
Benzidine	33		30		10-66	10		50
1,2,4-Trichlorobenzene	78		74		38-107	5		50
Hexachlorobenzene	78		75		40-140	4		50
Bis(2-chloroethyl)ether	85		80		40-140	6		50
2-Chloronaphthalene	78		75		40-140	4		50
1,2-Dichlorobenzene	76		72		40-140	5		50
1,3-Dichlorobenzene	73		69		40-140	6		50
1,4-Dichlorobenzene	74		70		28-104	6		50
3,3'-Dichlorobenzidine	69		65		40-140	6		50
2,4-Dinitrotoluene	80		78		40-132	3		50
2,6-Dinitrotoluene	78		74		40-140	5		50
Azobenzene	98		95		40-140	3		50
Fluoranthene	81		77		40-140	5		50
4-Chlorophenyl phenyl ether	80		77		40-140	4		50
4-Bromophenyl phenyl ether	80		76		40-140	5		50
Bis(2-chloroisopropyl)ether	121		115		40-140	5		50
Bis(2-chloroethoxy)methane	87		83		40-117	5		50
Hexachlorobutadiene	74		71		40-140	4		50
Hexachlorocyclopentadiene	67		64		40-140	5		50
Hexachloroethane	81		76		40-140	6		50
Isophorone	89		84		40-140	6		50
Naphthalene	81		77		40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174542-2 WG1174542-3								
Nitrobenzene	88		83		40-140	6		50
NDPA/DPA	81		78		36-157	4		50
n-Nitrosodi-n-propylamine	92		88		32-121	4		50
Bis(2-ethylhexyl)phthalate	94		90		40-140	4		50
Butyl benzyl phthalate	89		82		40-140	8		50
Di-n-butylphthalate	88		85		40-140	3		50
Di-n-octylphthalate	92		87		40-140	6		50
Diethyl phthalate	82		80		40-140	2		50
Dimethyl phthalate	77		74		40-140	4		50
Benzo(a)anthracene	81		79		40-140	3		50
Benzo(a)pyrene	77		74		40-140	4		50
Benzo(b)fluoranthene	73		73		40-140	0		50
Benzo(k)fluoranthene	81		75		40-140	8		50
Chrysene	83		79		40-140	5		50
Acenaphthylene	81		78		40-140	4		50
Anthracene	85		84		40-140	1		50
Benzo(ghi)perylene	77		74		40-140	4		50
Fluorene	82		78		40-140	5		50
Phenanthrene	82		81		40-140	1		50
Dibenzo(a,h)anthracene	79		76		40-140	4		50
Indeno(1,2,3-cd)pyrene	75		70		40-140	7		50
Pyrene	82		77		35-142	6		50
Biphenyl	82		78		54-104	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174542-2 WG1174542-3								
4-Chloroaniline	94		92		40-140	2		50
2-Nitroaniline	79		76		47-134	4		50
3-Nitroaniline	67		65		26-129	3		50
4-Nitroaniline	72		69		41-125	4		50
Dibenzofuran	82		79		40-140	4		50
2-Methylnaphthalene	84		80		40-140	5		50
1,2,4,5-Tetrachlorobenzene	80		76		40-117	5		50
Acetophenone	86		80		14-144	7		50
n-Nitrosodimethylamine	81		78		22-100	4		50
2,4,6-Trichlorophenol	77		73		30-130	5		50
p-Chloro-m-cresol	82		78		26-103	5		50
2-Chlorophenol	84		79		25-102	6		50
2,4-Dichlorophenol	81		77		30-130	5		50
2,4-Dimethylphenol	88		82		30-130	7		50
2-Nitrophenol	81		77		30-130	5		50
4-Nitrophenol	62		58		11-114	7		50
2,4-Dinitrophenol	59		59		4-130	0		50
4,6-Dinitro-o-cresol	76		72		10-130	5		50
Pentachlorophenol	63		61		17-109	3		50
Phenol	87		81		26-90	7		50
2-Methylphenol	86		81		30-130	6		50
3-Methylphenol/4-Methylphenol	91		84		30-130	8		50
2,4,5-Trichlorophenol	74		70		30-130	6		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174542-2 WG1174542-3								
Benzoic Acid	43		42		10-110	2		50
Benzyl Alcohol	88		82		40-140	7		50
Carbazole	82		78		54-128	5		50
Atrazine	82		77		40-140	6		50
Benzaldehyde	71		68		40-140	4		50
Caprolactam	126		118		15-130	7		50
2,3,4,6-Tetrachlorophenol	82		78		40-140	5		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	75		70		25-120
Phenol-d6	82		77		10-120
Nitrobenzene-d5	86		82		23-120
2-Fluorobiphenyl	76		73		30-120
2,4,6-Tribromophenol	76		72		10-136
4-Terphenyl-d14	76		71		18-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175650-2 WG1175650-3								
Acenaphthene	86		77		37-111	11		30
Benzidine	0	Q	4	Q	10-75	NC		30
1,2,4-Trichlorobenzene	77		73		39-98	5		30
Hexachlorobenzene	89		78		40-140	13		30
Bis(2-chloroethyl)ether	78		75		40-140	4		30
2-Chloronaphthalene	86		78		40-140	10		30
1,2-Dichlorobenzene	73		67		40-140	9		30
1,3-Dichlorobenzene	72		64		40-140	12		30
1,4-Dichlorobenzene	71		67		36-97	6		30
3,3'-Dichlorobenzidine	48		48		40-140	0		30
2,4-Dinitrotoluene	93		82		48-143	13		30
2,6-Dinitrotoluene	95		83		40-140	13		30
Azobenzene	98		88		40-140	11		30
Fluoranthene	83		72		40-140	14		30
4-Chlorophenyl phenyl ether	90		81		40-140	11		30
4-Bromophenyl phenyl ether	90		80		40-140	12		30
Bis(2-chloroisopropyl)ether	89		85		40-140	5		30
Bis(2-chloroethoxy)methane	85		81		40-140	5		30
Hexachlorobutadiene	79		67		40-140	16		30
Hexachlorocyclopentadiene	72		67		40-140	7		30
Hexachloroethane	71		67		40-140	6		30
Isophorone	84		78		40-140	7		30
Naphthalene	80		73		40-140	9		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175650-2 WG1175650-3								
Nitrobenzene	81		77		40-140	5		30
NDPA/DPA	93		81		40-140	14		30
n-Nitrosodi-n-propylamine	88		80		29-132	10		30
Bis(2-ethylhexyl)phthalate	87		78		40-140	11		30
Butyl benzyl phthalate	77		70		40-140	10		30
Di-n-butylphthalate	81		71		40-140	13		30
Di-n-octylphthalate	75		70		40-140	7		30
Diethyl phthalate	98		87		40-140	12		30
Dimethyl phthalate	99		90		40-140	10		30
Benzo(a)anthracene	80		71		40-140	12		30
Benzo(a)pyrene	83		71		40-140	16		30
Benzo(b)fluoranthene	78		68		40-140	14		30
Benzo(k)fluoranthene	91		78		40-140	15		30
Chrysene	87		75		40-140	15		30
Acenaphthylene	88		80		45-123	10		30
Anthracene	79		68		40-140	15		30
Benzo(ghi)perylene	87		72		40-140	19		30
Fluorene	88		79		40-140	11		30
Phenanthrene	79		69		40-140	14		30
Dibenzo(a,h)anthracene	87		74		40-140	16		30
Indeno(1,2,3-cd)pyrene	82		71		40-140	14		30
Pyrene	82		71		26-127	14		30
Biphenyl	90		81		40-140	11		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175650-2 WG1175650-3								
4-Chloroaniline	45		55		40-140	20		30
2-Nitroaniline	84		79		52-143	6		30
3-Nitroaniline	71		63		25-145	12		30
4-Nitroaniline	74		66		51-143	11		30
Dibenzofuran	86		77		40-140	11		30
2-Methylnaphthalene	86		76		40-140	12		30
1,2,4,5-Tetrachlorobenzene	82		75		2-134	9		30
Acetophenone	82		77		39-129	6		30
n-Nitrosodimethylamine	51		50		22-74	2		30
2,4,6-Trichlorophenol	86		76		30-130	12		30
p-Chloro-m-cresol	88		81		23-97	8		30
2-Chlorophenol	74		72		27-123	3		30
2,4-Dichlorophenol	83		80		30-130	4		30
2,4-Dimethylphenol	59		64		30-130	8		30
2-Nitrophenol	80		75		30-130	6		30
4-Nitrophenol	85	Q	71		10-80	18		30
2,4-Dinitrophenol	80		67		20-130	18		30
4,6-Dinitro-o-cresol	83		73		20-164	13		30
Pentachlorophenol	87		74		9-103	16		30
Phenol	60		56		12-110	7		30
2-Methylphenol	72		74		30-130	3		30
3-Methylphenol/4-Methylphenol	76		72		30-130	5		30
2,4,5-Trichlorophenol	90		82		30-130	9		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 27 Batch: WG1175650-2 WG1175650-3								
Benzoic Acid	71		0	Q	10-164	NC		30
Benzyl Alcohol	70		64		26-116	9		30
Carbazole	84		71		55-144	17		30
Atrazine	96		85		40-140	12		30
Benzaldehyde	70		67		40-140	4		30
Caprolactam	42		36		10-130	15		30
2,3,4,6-Tetrachlorophenol	92		81		40-140	13		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	60		56		21-120
Phenol-d6	52		50		10-120
Nitrobenzene-d5	76		72		23-120
2-Fluorobiphenyl	83		74		15-120
2,4,6-Tribromophenol	86		74		10-120
4-Terphenyl-d14	71		63		41-149

PETROLEUM HYDROCARBONS

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-04
Client ID: WC07_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 14:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 22:22
Analyst: SC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	29.0	29.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		40-140
o-Terphenyl	88		40-140

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-05
Client ID: WC06_8-10
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/02/18 02:11
Analyst: SC
Percent Solids: 91%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	257		mg/kg	24.9	24.9	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	92		40-140
o-Terphenyl	96		40-140

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-06
Client ID: DUP01_GRAB_103018
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 22:51
Analyst: SC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.3	28.3	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	92			40-140		
o-Terphenyl	93			40-140		

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-07
Client ID: WC11_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 23:19
Analyst: SC
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.7	28.7	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	89		40-140
o-Terphenyl	88		40-140

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-08
Client ID: WC05_12-14
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/01/18 23:48
Analyst: SC
Percent Solids: 60%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	81.1		mg/kg	39.2	39.2	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	83		40-140

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-13
Client ID: WC09_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/02/18 00:16
Analyst: SC
Percent Solids: 85%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 17:29

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	38.3		mg/kg	27.8	27.8	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	87		40-140
o-Terphenyl	88		40-140

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH

Extraction Method: EPA 3546

Analytical Date: 11/01/18 22:22

Extraction Date: 10/31/18 14:46

Analyst: MEO

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 04-08,13 Batch: WG1174446-1					
Total EPH	ND		mg/kg	23.3	23.3

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	82		40-140
o-Terphenyl	81		40-140

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,13 Batch: WG1174446-2 WG1174446-3								
Total EPH	103		104		40-140	1		25
Nonane (C9)	78		80		40-140	3		25
Decane (C10)	91		93		40-140	2		25
Dodecane (C12)	85		87		40-140	2		25
Tetradecane (C14)	87		88		40-140	1		25
Hexadecane (C16)	92		92		40-140	0		25
Octadecane (C18)	96		97		40-140	1		25
Eicosane (C20)	96		97		40-140	1		25
Heneicosane (C21)	96		97		40-140	1		25
Docosane (C22)	102		103		40-140	1		25
Tetracosane (C24)	97		98		40-140	1		25
Hexacosane (C26)	97		98		40-140	1		25
Octacosane (C28)	95		96		40-140	1		25
Triacontane (C30)	95		96		40-140	1		25
Dotriacontane (C32)	96		97		40-140	1		25
Tetratriacontane (C34)	94		96		40-140	2		25
Hexatriacontane (C36)	98		99		40-140	1		25
Octatriacontane (C38)	99		100		40-140	1		25
Tetracontane (C40)	102		108		40-140	6		25

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,13 Batch: WG1174446-2 WG1174446-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	87		87		40-140
o-Terphenyl	87		86		40-140

Matrix Spike Analysis**Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,13 QC Batch ID: WG1174446-4 QC Sample: L1844214-11 Client ID: MS Sample												
Total EPH	ND	273	284	104		-	-		40-140	-		50
Nonane (C9)	ND	7.59	5.83	77		-	-		40-140	-		50
Decane (C10)	ND	7.59	6.90	91		-	-		40-140	-		50
Dodecane (C12)	ND	7.59	6.47	85		-	-		40-140	-		50
Tetradecane (C14)	ND	7.59	6.57	87		-	-		40-140	-		50
Hexadecane (C16)	ND	7.59	6.84	90		-	-		40-140	-		50
Octadecane (C18)	ND	7.59	7.27	96		-	-		40-140	-		50
Eicosane (C20)	ND	7.59	7.23	95		-	-		40-140	-		50
Heneicosane (C21)	ND	7.59	7.41	98		-	-		40-140	-		50
Docosane (C22)	ND	7.59	7.84	103		-	-		40-140	-		50
Tetracosane (C24)	ND	7.59	7.28	96		-	-		40-140	-		50
Hexacosane (C26)	ND	7.59	7.28	96		-	-		40-140	-		50
Octacosane (C28)	ND	7.59	7.19	95		-	-		40-140	-		50
triacontane (C30)	ND	7.59	7.16	94		-	-		40-140	-		50
Dotriacontane (C32)	ND	7.59	7.20	95		-	-		40-140	-		50
Tetratriacontane (C34)	ND	7.59	7.23	95		-	-		40-140	-		50
Hexatriacontane (C36)	ND	7.59	7.28	96		-	-		40-140	-		50
Octatriacontane (C38)	ND	7.59	7.22	95		-	-		40-140	-		50
Tetracontane (C40)	ND	7.59	7.51	99		-	-		40-140	-		50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	85				40-140

Matrix Spike Analysis**Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,13 QC Batch ID: WG1174446-4 QC Sample: L1844214-11 Client ID: MS Sample												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86				40-140

Lab Duplicate Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 04-08,13 QC Batch ID: WG1174446-5 QC Sample: L1844214-11 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		83		40-140
o-Terphenyl	84		83		40-140

PCBS

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/18 10:24
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 19:16
Cleanup Method: EPA 3665A
Cleanup Date: 11/01/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.0	3.28	1	A
Aroclor 1221	ND		ug/kg	37.0	3.70	1	A
Aroclor 1232	ND		ug/kg	37.0	7.83	1	A
Aroclor 1242	ND		ug/kg	37.0	4.98	1	A
Aroclor 1248	23.3	J	ug/kg	37.0	5.54	1	A
Aroclor 1254	7.86	J	ug/kg	37.0	4.04	1	B
Aroclor 1260	ND		ug/kg	37.0	6.83	1	A
Aroclor 1262	ND		ug/kg	37.0	4.69	1	A
Aroclor 1268	ND		ug/kg	37.0	3.83	1	A
PCBs, Total	31.2	J	ug/kg	37.0	3.28	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	59		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/18 10:38
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 19:16
Cleanup Method: EPA 3665A
Cleanup Date: 11/01/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	3.66	1	A
Aroclor 1221	ND		ug/kg	41.2	4.13	1	A
Aroclor 1232	ND		ug/kg	41.2	8.75	1	A
Aroclor 1242	ND		ug/kg	41.2	5.56	1	A
Aroclor 1248	ND		ug/kg	41.2	6.19	1	A
Aroclor 1254	ND		ug/kg	41.2	4.51	1	A
Aroclor 1260	ND		ug/kg	41.2	7.62	1	A
Aroclor 1262	ND		ug/kg	41.2	5.24	1	A
Aroclor 1268	ND		ug/kg	41.2	4.27	1	A
PCBs, Total	ND		ug/kg	41.2	3.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	70		30-150	A
Decachlorobiphenyl	63		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	64		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/18 10:51
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 19:16
Cleanup Method: EPA 3665A
Cleanup Date: 11/01/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.8	3.27	1	A
Aroclor 1221	ND		ug/kg	36.8	3.69	1	A
Aroclor 1232	ND		ug/kg	36.8	7.81	1	A
Aroclor 1242	ND		ug/kg	36.8	4.96	1	A
Aroclor 1248	ND		ug/kg	36.8	5.52	1	A
Aroclor 1254	8.93	J	ug/kg	36.8	4.03	1	B
Aroclor 1260	ND		ug/kg	36.8	6.81	1	A
Aroclor 1262	ND		ug/kg	36.8	4.68	1	A
Aroclor 1268	ND		ug/kg	36.8	3.82	1	A
PCBs, Total	8.93	J	ug/kg	36.8	3.27	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	52		30-150	A
2,4,5,6-Tetrachloro-m-xylene	53		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/05/18 11:04
Analyst: HT
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 19:16
Cleanup Method: EPA 3665A
Cleanup Date: 11/01/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.8	3.44	1	A
Aroclor 1221	ND		ug/kg	38.8	3.88	1	A
Aroclor 1232	ND		ug/kg	38.8	8.22	1	A
Aroclor 1242	ND		ug/kg	38.8	5.22	1	A
Aroclor 1248	ND		ug/kg	38.8	5.81	1	A
Aroclor 1254	ND		ug/kg	38.8	4.24	1	A
Aroclor 1260	ND		ug/kg	38.8	7.16	1	A
Aroclor 1262	ND		ug/kg	38.8	4.92	1	A
Aroclor 1268	ND		ug/kg	38.8	4.02	1	A
PCBs, Total	ND		ug/kg	38.8	3.44	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	64		30-150	A
Decachlorobiphenyl	51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	62		30-150	B
Decachlorobiphenyl	53		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8082A
Analytical Date: 11/04/18 17:28
Analyst: HT

Extraction Method: EPA 3510C
Extraction Date: 11/03/18 13:09
Cleanup Method: EPA 3665A
Cleanup Date: 11/04/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/l	0.082	0.034	1	A
Aroclor 1221	ND		ug/l	0.082	0.066	1	A
Aroclor 1232	ND		ug/l	0.082	0.045	1	A
Aroclor 1242	ND		ug/l	0.082	0.038	1	A
Aroclor 1248	ND		ug/l	0.082	0.048	1	A
Aroclor 1254	ND		ug/l	0.082	0.039	1	A
Aroclor 1260	ND		ug/l	0.082	0.032	1	A
Aroclor 1262	ND		ug/l	0.082	0.034	1	A
Aroclor 1268	ND		ug/l	0.082	0.033	1	A
PCBs, Total	ND		ug/l	0.082	0.032	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		30-150	A
Decachlorobiphenyl	60		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	66		30-150	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 10/31/18 08:13
 Analyst: WR

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 00:23
 Cleanup Method: EPA 3665A
 Cleanup Date: 10/31/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 10/31/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174110-1						
Aroclor 1016	ND		ug/kg	32.7	2.91	A
Aroclor 1221	ND		ug/kg	32.7	3.28	A
Aroclor 1232	ND		ug/kg	32.7	6.94	A
Aroclor 1242	ND		ug/kg	32.7	4.41	A
Aroclor 1248	ND		ug/kg	32.7	4.91	A
Aroclor 1254	ND		ug/kg	32.7	3.58	A
Aroclor 1260	ND		ug/kg	32.7	6.05	A
Aroclor 1262	ND		ug/kg	32.7	4.16	A
Aroclor 1268	ND		ug/kg	32.7	3.39	A
PCBs, Total	ND		ug/kg	32.7	2.91	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	60		30-150	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/04/18 18:09
 Analyst: HT

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 20:01
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/04/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 27 Batch: WG1175738-1						
Aroclor 1016	ND		ug/l	0.082	0.034	A
Aroclor 1221	ND		ug/l	0.082	0.066	A
Aroclor 1232	ND		ug/l	0.082	0.045	A
Aroclor 1242	ND		ug/l	0.082	0.038	A
Aroclor 1248	ND		ug/l	0.082	0.048	A
Aroclor 1254	ND		ug/l	0.082	0.039	A
Aroclor 1260	ND		ug/l	0.082	0.032	A
Aroclor 1262	ND		ug/l	0.082	0.034	A
Aroclor 1268	ND		ug/l	0.082	0.033	B
PCBs, Total	ND		ug/l	0.082	0.032	B

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	79		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	83		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174110-2 WG1174110-3									
Aroclor 1016	91		92		40-140	1		50	A
Aroclor 1260	86		90		40-140	5		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	83		83		30-150	A
Decachlorobiphenyl	71		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	79		79		30-150	B
Decachlorobiphenyl	55		57		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 27 Batch: WG1175738-2 WG1175738-3									
Aroclor 1016	73		75		40-140	2		50	A
Aroclor 1260	74		75		40-140	1		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		88		30-150	A
Decachlorobiphenyl	85		84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		89		30-150	B
Decachlorobiphenyl	89		90		30-150	B

PESTICIDES

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 21:44
Analyst: KEG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 21:34
Cleanup Method: EPA 3620B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.334	1	A
Lindane	ND		ug/kg	0.711	0.318	1	A
Alpha-BHC	ND		ug/kg	0.711	0.202	1	A
Beta-BHC	ND		ug/kg	1.70	0.647	1	A
Heptachlor	ND		ug/kg	0.853	0.382	1	A
Aldrin	ND		ug/kg	1.70	0.600	1	A
Heptachlor epoxide	ND		ug/kg	3.20	0.960	1	A
Endrin	ND		ug/kg	0.711	0.291	1	A
Endrin aldehyde	ND		ug/kg	2.13	0.746	1	A
Endrin ketone	ND		ug/kg	1.70	0.439	1	A
Dieldrin	ND		ug/kg	1.07	0.533	1	A
4,4'-DDE	ND		ug/kg	1.70	0.394	1	A
4,4'-DDD	ND		ug/kg	1.70	0.608	1	A
4,4'-DDT	ND		ug/kg	3.20	1.37	1	A
Endosulfan I	ND		ug/kg	1.70	0.403	1	A
Endosulfan II	ND		ug/kg	1.70	0.570	1	A
Endosulfan sulfate	ND		ug/kg	0.711	0.338	1	A
Methoxychlor	ND		ug/kg	3.20	0.995	1	A
Toxaphene	ND		ug/kg	32.0	8.96	1	A
cis-Chlordane	ND		ug/kg	2.13	0.594	1	A
trans-Chlordane	ND		ug/kg	2.13	0.563	1	A
Chlordane	ND		ug/kg	13.8	5.65	1	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	B
Decachlorobiphenyl	114		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	83		30-150	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 11:42
Analyst: DGM
Percent Solids: 90%
Methylation Date: 11/02/18 09:59

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	185	11.7	1	A
2,4,5-T	ND		ug/kg	185	5.74	1	A
2,4,5-TP (Silvex)	ND		ug/kg	185	4.92	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	124		30-150	A
DCAA	96		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 20:40
Analyst: KEG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 21:34
Cleanup Method: EPA 3620B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.97	0.386	1	A
Lindane	ND		ug/kg	0.820	0.367	1	A
Alpha-BHC	ND		ug/kg	0.820	0.233	1	A
Beta-BHC	ND		ug/kg	1.97	0.746	1	A
Heptachlor	ND		ug/kg	0.984	0.441	1	A
Aldrin	ND		ug/kg	1.97	0.693	1	A
Heptachlor epoxide	ND		ug/kg	3.69	1.11	1	A
Endrin	ND		ug/kg	0.820	0.336	1	A
Endrin aldehyde	ND		ug/kg	2.46	0.861	1	A
Endrin ketone	ND		ug/kg	1.97	0.507	1	A
Dieldrin	ND		ug/kg	1.23	0.615	1	A
4,4'-DDE	ND		ug/kg	1.97	0.455	1	A
4,4'-DDD	ND		ug/kg	1.97	0.702	1	A
4,4'-DDT	ND		ug/kg	3.69	1.58	1	A
Endosulfan I	ND		ug/kg	1.97	0.465	1	A
Endosulfan II	ND		ug/kg	1.97	0.658	1	A
Endosulfan sulfate	ND		ug/kg	0.820	0.390	1	A
Methoxychlor	ND		ug/kg	3.69	1.15	1	A
Toxaphene	ND		ug/kg	36.9	10.3	1	A
cis-Chlordane	ND		ug/kg	2.46	0.686	1	A
trans-Chlordane	ND		ug/kg	2.46	0.650	1	A
Chlordane	ND		ug/kg	16.0	6.52	1	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	73		30-150	B
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	67		30-150	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 12:01
Analyst: DGM
Percent Solids: 79%
Methylation Date: 11/02/18 09:59

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	208	13.1	1	A
2,4,5-T	ND		ug/kg	208	6.44	1	A
2,4,5-TP (Silvex)	ND		ug/kg	208	5.53	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	120		30-150	A
DCAA	89		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 21:31
Analyst: KEG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 21:34
Cleanup Method: EPA 3620B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.344	1	A
Lindane	ND		ug/kg	0.731	0.327	1	A
Alpha-BHC	ND		ug/kg	0.731	0.208	1	A
Beta-BHC	ND		ug/kg	1.75	0.665	1	A
Heptachlor	ND		ug/kg	0.877	0.393	1	A
Aldrin	ND		ug/kg	1.75	0.618	1	A
Heptachlor epoxide	ND		ug/kg	3.29	0.987	1	A
Endrin	ND		ug/kg	0.731	0.300	1	A
Endrin aldehyde	ND		ug/kg	2.19	0.768	1	A
Endrin ketone	ND		ug/kg	1.75	0.452	1	A
Dieldrin	ND		ug/kg	1.10	0.548	1	A
4,4'-DDE	13.0		ug/kg	1.75	0.406	1	B
4,4'-DDD	ND		ug/kg	1.75	0.626	1	A
4,4'-DDT	65.6		ug/kg	3.29	1.41	1	A
Endosulfan I	ND		ug/kg	1.75	0.414	1	A
Endosulfan II	ND		ug/kg	1.75	0.586	1	A
Endosulfan sulfate	ND		ug/kg	0.731	0.348	1	A
Methoxychlor	ND		ug/kg	3.29	1.02	1	A
Toxaphene	ND		ug/kg	32.9	9.21	1	A
cis-Chlordane	ND		ug/kg	2.19	0.611	1	A
trans-Chlordane	ND		ug/kg	2.19	0.579	1	A
Chlordane	ND		ug/kg	14.2	5.81	1	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	73		30-150	B
Decachlorobiphenyl	79		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	108		30-150	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 12:20
Analyst: DGM
Percent Solids: 86%
Methylation Date: 11/02/18 09:59

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	194	12.2	1	A
2,4,5-T	ND		ug/kg	194	6.01	1	A
2,4,5-TP (Silvex)	ND		ug/kg	194	5.16	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	115		30-150	A
DCAA	90		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/01/18 21:18
Analyst: KEG
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 10/31/18 21:34
Cleanup Method: EPA 3620B
Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.82	0.357	1	A
Lindane	ND		ug/kg	0.760	0.340	1	A
Alpha-BHC	ND		ug/kg	0.760	0.216	1	A
Beta-BHC	ND		ug/kg	1.82	0.692	1	A
Heptachlor	ND		ug/kg	0.912	0.409	1	A
Aldrin	ND		ug/kg	1.82	0.642	1	A
Heptachlor epoxide	ND		ug/kg	3.42	1.03	1	A
Endrin	ND		ug/kg	0.760	0.312	1	A
Endrin aldehyde	ND		ug/kg	2.28	0.798	1	A
Endrin ketone	ND		ug/kg	1.82	0.470	1	A
Dieldrin	ND		ug/kg	1.14	0.570	1	A
4,4'-DDE	ND		ug/kg	1.82	0.422	1	A
4,4'-DDD	ND		ug/kg	1.82	0.651	1	A
4,4'-DDT	ND		ug/kg	3.42	1.47	1	A
Endosulfan I	ND		ug/kg	1.82	0.431	1	A
Endosulfan II	ND		ug/kg	1.82	0.610	1	A
Endosulfan sulfate	ND		ug/kg	0.760	0.362	1	A
Methoxychlor	ND		ug/kg	3.42	1.06	1	A
Toxaphene	ND		ug/kg	34.2	9.58	1	A
cis-Chlordane	ND		ug/kg	2.28	0.636	1	A
trans-Chlordane	ND		ug/kg	2.28	0.602	1	A
Chlordane	ND		ug/kg	14.8	6.04	1	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	80		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 12:39
Analyst: DGM
Percent Solids: 84%
Methylation Date: 11/02/18 09:59

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 02:34

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.13	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.26	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	91		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8081B
Analytical Date: 11/04/18 18:29
Analyst: KEG

Extraction Method: EPA 3510C
Extraction Date: 11/03/18 14:31

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/l	0.014	0.003	1	A
Lindane	ND		ug/l	0.014	0.003	1	A
Alpha-BHC	ND		ug/l	0.014	0.003	1	A
Beta-BHC	ND		ug/l	0.014	0.004	1	A
Heptachlor	ND		ug/l	0.014	0.002	1	A
Aldrin	ND		ug/l	0.014	0.002	1	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	1	A
Endrin	ND		ug/l	0.029	0.003	1	A
Endrin aldehyde	ND		ug/l	0.029	0.006	1	A
Endrin ketone	ND		ug/l	0.029	0.003	1	A
Dieldrin	ND		ug/l	0.029	0.003	1	A
4,4'-DDE	ND		ug/l	0.029	0.003	1	A
4,4'-DDD	ND		ug/l	0.029	0.003	1	A
4,4'-DDT	0.020	J	ug/l	0.029	0.003	1	A
Endosulfan I	ND		ug/l	0.014	0.002	1	A
Endosulfan II	ND		ug/l	0.029	0.004	1	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	1	A
Methoxychlor	ND		ug/l	0.143	0.005	1	A
Toxaphene	ND		ug/l	0.143	0.045	1	A
cis-Chlordane	ND		ug/l	0.014	0.005	1	A
trans-Chlordane	ND		ug/l	0.014	0.004	1	A
Chlordane	ND		ug/l	0.143	0.033	1	A

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	70		30-150	B
Decachlorobiphenyl	81		30-150	B

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:

Matrix: Water

Extraction Method: EPA 8151A

Analytical Method: 1,8151A

Extraction Date: 10/31/18 20:59

Analytical Date: 11/01/18 19:22

Analyst: DGM

Methylation Date: 11/01/18 03:24

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/l	10.0	0.498	1	A
2,4,5-T	ND		ug/l	2.00	0.531	1	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	92		30-150	A
DCAA	66		30-150	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/01/18 17:24
 Analyst: DGM

Extraction Method: EPA 8151A
 Extraction Date: 10/31/18 01:00

Methylation Date: 10/31/18 19:07

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 27 Batch: WG1174113-1						
2,4-D	ND		ug/l	10.0	0.498	A
2,4,5-T	ND		ug/l	2.00	0.531	A
2,4,5-TP (Silvex)	ND		ug/l	2.00	0.539	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	106		30-150	A
DCAA	79		30-150	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 20:02
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 21:34
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174579-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.857	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	2.86	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 20:02
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 21:34
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174579-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/04/18 17:52
 Analyst: DGM

Extraction Method: EPA 8151A
 Extraction Date: 11/01/18 02:34

Methylation Date: 11/02/18 09:59

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174618-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.02	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	95		30-150	A
DCAA	95		30-150	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/18 17:50
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 14:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 27 Batch: WG1175709-1						
Delta-BHC	ND		ug/l	0.014	0.003	A
Lindane	ND		ug/l	0.014	0.003	A
Alpha-BHC	ND		ug/l	0.014	0.003	A
Beta-BHC	ND		ug/l	0.014	0.004	A
Heptachlor	ND		ug/l	0.014	0.002	A
Aldrin	ND		ug/l	0.014	0.002	A
Heptachlor epoxide	ND		ug/l	0.014	0.003	A
Endrin	ND		ug/l	0.029	0.003	A
Endrin aldehyde	ND		ug/l	0.029	0.006	A
Endrin ketone	ND		ug/l	0.029	0.003	A
Dieldrin	ND		ug/l	0.029	0.003	A
4,4'-DDE	ND		ug/l	0.029	0.003	A
4,4'-DDD	ND		ug/l	0.029	0.003	A
Endosulfan I	ND		ug/l	0.014	0.002	A
Endosulfan II	ND		ug/l	0.029	0.004	A
Endosulfan sulfate	ND		ug/l	0.029	0.003	A
Methoxychlor	ND		ug/l	0.143	0.005	A
Toxaphene	ND		ug/l	0.143	0.045	A
cis-Chlordane	ND		ug/l	0.014	0.005	A
trans-Chlordane	ND		ug/l	0.014	0.004	A
Chlordane	ND		ug/l	0.143	0.033	A
4,4'-DDT	ND		ug/l	0.029	0.003	B

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/04/18 17:50
 Analyst: KEG

Extraction Method: EPA 3510C
 Extraction Date: 11/03/18 14:31

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 27 Batch: WG1175709-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	68		30-150	A
Decachlorobiphenyl	85		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 27 Batch: WG1174113-2 WG1174113-3									
2,4-D	118		115		30-150	3		25	A
2,4,5-T	86		80		30-150	7		25	A
2,4,5-TP (Silvex)	92		90		30-150	2		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	105		97		30-150	A
DCAA	83		85		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174579-2 WG1174579-3									
Delta-BHC	76		74		30-150	3		30	A
Lindane	73		72		30-150	1		30	A
Alpha-BHC	77		76		30-150	1		30	A
Beta-BHC	77		76		30-150	1		30	A
Heptachlor	78		78		30-150	0		30	A
Aldrin	65		65		30-150	0		30	A
Heptachlor epoxide	80		80		30-150	0		30	A
Endrin	83		80		30-150	4		30	A
Endrin aldehyde	63		59		30-150	7		30	A
Endrin ketone	78		76		30-150	3		30	A
Dieldrin	76		72		30-150	5		30	A
4,4'-DDE	60		56		30-150	7		30	A
4,4'-DDD	72		71		30-150	1		30	A
4,4'-DDT	72		70		30-150	3		30	A
Endosulfan I	64		64		30-150	0		30	A
Endosulfan II	76		74		30-150	3		30	A
Endosulfan sulfate	83		74		30-150	11		30	A
Methoxychlor	78		76		30-150	3		30	A
cis-Chlordane	55		56		30-150	2		30	A
trans-Chlordane	55		52		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174579-2 WG1174579-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		80		30-150	B
Decachlorobiphenyl	68		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		77		30-150	A
Decachlorobiphenyl	65		65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174618-2 WG1174618-3									
2,4-D	107		107		30-150	0		30	A
2,4,5-T	80		81		30-150	1		30	A
2,4,5-TP (Silvex)	74		77		30-150	4		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	93		95		30-150	A
DCAA	92		79		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 27 Batch: WG1175709-2 WG1175709-3									
Delta-BHC	85		77		30-150	10		20	A
Lindane	83		77		30-150	7		20	A
Alpha-BHC	85		78		30-150	9		20	A
Beta-BHC	89		85		30-150	4		20	A
Heptachlor	93		85		30-150	9		20	A
Aldrin	83		76		30-150	9		20	A
Heptachlor epoxide	104		94		30-150	10		20	A
Endrin	102		91		30-150	12		20	A
Endrin aldehyde	86		79		30-150	8		20	A
Endrin ketone	107		96		30-150	11		20	A
Dieldrin	102		90		30-150	12		20	A
4,4'-DDE	90		79		30-150	13		20	A
4,4'-DDD	94		85		30-150	10		20	A
4,4'-DDT	101		94		30-150	7		20	A
Endosulfan I	98		87		30-150	11		20	A
Endosulfan II	100		90		30-150	10		20	A
Endosulfan sulfate	102		89		30-150	14		20	A
Methoxychlor	107		95		30-150	12		20	A
cis-Chlordane	86		75		30-150	13		20	A
trans-Chlordane	90		81		30-150	11		20	A

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 27 Batch: WG1175709-2 WG1175709-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		75		30-150	A
Decachlorobiphenyl	96		87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		70		30-150	B
Decachlorobiphenyl	90		77		30-150	B

METALS

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-03

Date Collected: 10/29/18 15:40

Client ID: COMP04_0-12

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 16:35

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Barium, TCLP	0.734		mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Lead, TCLP	0.027	J	mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Mercury, TCLP	0.0004	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 17:30	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 12:58	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-03

Date Collected: 10/29/18 15:40

Client ID: COMP04_0-12

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5100		mg/kg	8.56	2.31	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.28	0.325	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Arsenic, Total	3.38		mg/kg	0.856	0.178	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Barium, Total	109		mg/kg	0.856	0.149	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Beryllium, Total	0.206	J	mg/kg	0.428	0.028	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Cadmium, Total	0.094	J	mg/kg	0.856	0.084	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Calcium, Total	33600		mg/kg	8.56	3.00	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Chromium, Total	9.88		mg/kg	0.856	0.082	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Cobalt, Total	4.40		mg/kg	1.71	0.142	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Copper, Total	19.3		mg/kg	0.856	0.221	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Iron, Total	8220		mg/kg	4.28	0.773	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Lead, Total	48.1		mg/kg	4.28	0.229	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Magnesium, Total	5790		mg/kg	8.56	1.32	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Manganese, Total	261		mg/kg	0.856	0.136	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Mercury, Total	0.167		mg/kg	0.071	0.015	1	11/01/18 05:00	11/01/18 19:48	EPA 7471B	1,7471B	EA
Nickel, Total	10.5		mg/kg	2.14	0.207	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Potassium, Total	938		mg/kg	214	12.3	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Selenium, Total	0.497	J	mg/kg	1.71	0.221	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.856	0.242	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Sodium, Total	252		mg/kg	171	2.70	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.71	0.270	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Vanadium, Total	16.3		mg/kg	0.856	0.174	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB
Zinc, Total	107		mg/kg	4.28	0.251	2	10/31/18 19:15	10/31/18 23:55	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-09

Date Collected: 10/30/18 08:35

Client ID: COMP0304_12-20

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 16:35

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.022	J	mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Barium, TCLP	0.296	J	mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Chromium, TCLP	0.033	J	mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Mercury, TCLP	0.0005	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 18:10	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 13:29	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-09

Date Collected: 10/30/18 08:35

Client ID: COMP0304_12-20

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	11700		mg/kg	9.78	2.64	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.89	0.372	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Arsenic, Total	2.74		mg/kg	0.978	0.203	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Barium, Total	34.7		mg/kg	0.978	0.170	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Beryllium, Total	0.323	J	mg/kg	0.489	0.032	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.978	0.096	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Calcium, Total	542		mg/kg	9.78	3.42	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Chromium, Total	13.8		mg/kg	0.978	0.094	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Cobalt, Total	7.43		mg/kg	1.96	0.162	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Copper, Total	13.1		mg/kg	0.978	0.252	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Iron, Total	14700		mg/kg	4.89	0.883	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Lead, Total	7.34		mg/kg	4.89	0.262	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Magnesium, Total	3170		mg/kg	9.78	1.51	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Manganese, Total	110		mg/kg	0.978	0.156	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.079	0.017	1	11/01/18 05:00	11/01/18 19:49	EPA 7471B	1,7471B	EA
Nickel, Total	14.1		mg/kg	2.44	0.237	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Potassium, Total	931		mg/kg	244	14.1	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Selenium, Total	0.626	J	mg/kg	1.96	0.252	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.978	0.277	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Sodium, Total	167	J	mg/kg	196	3.08	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.96	0.308	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Vanadium, Total	19.8		mg/kg	0.978	0.198	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB
Zinc, Total	41.7		mg/kg	4.89	0.287	2	10/31/18 19:15	11/01/18 00:38	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-10

Date Collected: 10/30/18 08:50

Client ID: COMP03_0-12

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 16:35

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Barium, TCLP	0.604		mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Chromium, TCLP	0.023	J	mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Lead, TCLP	0.103	J	mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Mercury, TCLP	0.0005	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 17:35	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 13:52	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-10

Date Collected: 10/30/18 08:50

Client ID: COMP03_0-12

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5240		mg/kg	9.09	2.45	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.54	0.345	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Arsenic, Total	4.57		mg/kg	0.909	0.189	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Barium, Total	415		mg/kg	0.909	0.158	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Beryllium, Total	0.218	J	mg/kg	0.454	0.030	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Cadmium, Total	0.182	J	mg/kg	0.909	0.089	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Calcium, Total	52000		mg/kg	9.09	3.18	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Chromium, Total	25.7		mg/kg	0.909	0.087	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Cobalt, Total	3.34		mg/kg	1.82	0.151	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Copper, Total	17.7		mg/kg	0.909	0.234	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Iron, Total	9840		mg/kg	4.54	0.821	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Lead, Total	148		mg/kg	4.54	0.244	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Magnesium, Total	6540		mg/kg	9.09	1.40	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Manganese, Total	292		mg/kg	0.909	0.144	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Mercury, Total	0.158		mg/kg	0.074	0.016	1	11/01/18 05:00	11/01/18 19:55	EPA 7471B	1,7471B	EA
Nickel, Total	9.31		mg/kg	2.27	0.220	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Potassium, Total	865		mg/kg	227	13.1	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Selenium, Total	0.509	J	mg/kg	1.82	0.234	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Silver, Total	1.41		mg/kg	0.909	0.257	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Sodium, Total	499		mg/kg	182	2.86	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.82	0.286	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Vanadium, Total	16.6		mg/kg	0.909	0.184	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB
Zinc, Total	226		mg/kg	4.54	0.266	2	10/31/18 19:15	11/01/18 00:42	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-14

Date Collected: 10/30/18 13:05

Client ID: COMP05_0-13

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 16:35

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Barium, TCLP	0.459	J	mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Cadmium, TCLP	0.013	J	mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Chromium, TCLP	0.032	J	mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Lead, TCLP	7.14		mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Mercury, TCLP	0.0004	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 17:37	EPA 7470A	1,7470A	MG
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 13:56	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-14

Date Collected: 10/30/18 13:05

Client ID: COMP05_0-13

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6040		mg/kg	8.90	2.40	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Antimony, Total	0.525	J	mg/kg	4.45	0.338	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Arsenic, Total	8.06		mg/kg	0.890	0.185	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Barium, Total	206		mg/kg	0.890	0.155	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Beryllium, Total	0.258	J	mg/kg	0.445	0.029	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Cadmium, Total	0.712	J	mg/kg	0.890	0.087	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Calcium, Total	38000		mg/kg	8.90	3.11	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Chromium, Total	14.4		mg/kg	0.890	0.085	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Cobalt, Total	4.39		mg/kg	1.78	0.148	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Copper, Total	25.3		mg/kg	0.890	0.230	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Iron, Total	9750		mg/kg	4.45	0.803	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Lead, Total	922		mg/kg	4.45	0.238	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Magnesium, Total	5580		mg/kg	8.90	1.37	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Manganese, Total	562		mg/kg	0.890	0.141	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Mercury, Total	0.918		mg/kg	0.075	0.016	1	11/01/18 05:00	11/01/18 19:57	EPA 7471B	1,7471B	EA
Nickel, Total	17.2		mg/kg	2.22	0.215	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Potassium, Total	830		mg/kg	222	12.8	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Selenium, Total	1.68	J	mg/kg	1.78	0.230	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.890	0.252	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Sodium, Total	624		mg/kg	178	2.80	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.78	0.280	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Vanadium, Total	14.6		mg/kg	0.890	0.180	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB
Zinc, Total	776		mg/kg	4.45	0.261	2	10/31/18 19:15	11/01/18 00:47	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-15

Date Collected: 10/30/18 10:25

Client ID: WC10_4-6

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/15/18 06:06

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	1.73		mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 17:51	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-15

Date Collected: 10/30/18 10:25

Client ID: WC10_4-6

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	388		mg/kg	2.16	0.116	1	11/14/18 05:00	11/14/18 22:28	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-16

Date Collected: 10/30/18 10:30

Client ID: WC10_6-8

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/15/18 06:06

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	6.39		mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 18:20	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-16

Date Collected: 10/30/18 10:30

Client ID: WC10_6-8

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	441		mg/kg	2.36	0.126	1	11/14/18 05:00	11/14/18 22:32	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-17

Date Collected: 10/30/18 12:45

Client ID: WC09_2-4

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/15/18 06:06

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	21.2		mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 18:29	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-17

Date Collected: 10/30/18 12:45

Client ID: WC09_2-4

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	780		mg/kg	2.24	0.120	1	11/14/18 05:00	11/14/18 22:37	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-18

Date Collected: 10/30/18 12:50

Client ID: WC09_4-6

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/15/18 06:06

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	6.98		mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 18:33	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-18

Date Collected: 10/30/18 12:50

Client ID: WC09_4-6

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	354		mg/kg	2.31	0.124	1	11/14/18 05:00	11/14/18 22:42	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-19

Date Collected: 10/30/18 12:55

Client ID: WC09_6-8

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/15/18 06:06

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Lead, TCLP	0.045	J	mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 18:37	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-19

Date Collected: 10/30/18 12:55

Client ID: WC09_6-8

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Lead, Total	296		mg/kg	2.33	0.125	1	11/14/18 05:00	11/14/18 23:00	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844354-27

Date Collected: 10/30/18 10:06

Client ID: FIELD BLANK

Date Received: 10/30/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	ND		mg/l	0.100	0.032	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Barium, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Calcium, Total	ND		mg/l	0.100	0.035	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Copper, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Iron, Total	ND		mg/l	0.050	0.009	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Lead, Total	ND		mg/l	0.010	0.003	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Magnesium, Total	ND		mg/l	0.100	0.015	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Manganese, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/31/18 15:59	10/31/18 21:36	EPA 7470A	1,7470A	MG
Nickel, Total	ND		mg/l	0.025	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Potassium, Total	ND		mg/l	2.50	0.237	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Selenium, Total	ND		mg/l	0.010	0.004	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Silver, Total	ND		mg/l	0.007	0.003	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Sodium, Total	ND		mg/l	2.00	0.120	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Thallium, Total	ND		mg/l	0.020	0.003	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Vanadium, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC
Zinc, Total	ND		mg/l	0.050	0.002	1	11/06/18 07:35	11/06/18 11:46	EPA 3005A	1,6010D	LC



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 27 Batch: WG1174448-1										
Mercury, Total	ND		mg/l	0.00020	0.00006	1	10/31/18 15:59	10/31/18 20:57	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,09-10,14 Batch: WG1174515-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Arsenic, Total	ND		mg/kg	0.400	0.083	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Iron, Total	ND		mg/kg	2.00	0.361	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Sodium, Total	1.57	J	mg/kg	80.0	1.26	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	10/31/18 19:15	10/31/18 23:26	1,6010D	AB

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 3050B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,09-10,14 Batch: WG1174630-1									
Mercury, Total	ND	mg/kg	0.083	0.018	1	11/01/18 05:00	11/01/18 19:09	1,7471B	EA

Prep Information

Digestion Method: EPA 7471B

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 09 Batch: WG1175937-1									
Arsenic, TCLP	ND	mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Barium, TCLP	ND	mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Cadmium, TCLP	ND	mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Chromium, TCLP	ND	mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Lead, TCLP	ND	mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Selenium, TCLP	ND	mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC
Silver, TCLP	ND	mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 13:01	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/01/18 16:35

Parameter	Result Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,10,14 Batch: WG1175942-1									
Arsenic, TCLP	ND	mg/l	1.00	0.019	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC
Barium, TCLP	ND	mg/l	0.500	0.021	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC
Cadmium, TCLP	ND	mg/l	0.100	0.010	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC
Chromium, TCLP	ND	mg/l	0.200	0.021	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC
Lead, TCLP	ND	mg/l	0.500	0.027	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC
Selenium, TCLP	ND	mg/l	0.500	0.035	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Silver, TCLP	ND	mg/l	0.100	0.028	1	11/06/18 09:21	11/06/18 12:29	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/01/18 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,10,14 Batch: WG1176105-1										
Mercury, TCLP	0.0004	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 17:23	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/01/18 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 09 Batch: WG1176111-1										
Mercury, TCLP	0.0004	J	mg/l	0.0010	0.0003	1	11/05/18 14:40	11/05/18 18:03	1,7470A	MG

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/01/18 16:35

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 27 Batch: WG1176332-1										
Aluminum, Total	ND		mg/l	0.100	0.032	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Antimony, Total	ND		mg/l	0.050	0.007	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Arsenic, Total	ND		mg/l	0.005	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Barium, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Beryllium, Total	ND		mg/l	0.005	0.001	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Cadmium, Total	ND		mg/l	0.005	0.001	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Calcium, Total	ND		mg/l	0.100	0.035	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Chromium, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Cobalt, Total	ND		mg/l	0.020	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Copper, Total	ND		mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Iron, Total	ND	mg/l	0.050	0.009	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Lead, Total	ND	mg/l	0.010	0.003	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Magnesium, Total	ND	mg/l	0.100	0.015	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Manganese, Total	ND	mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Nickel, Total	ND	mg/l	0.025	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Potassium, Total	ND	mg/l	2.50	0.237	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Selenium, Total	ND	mg/l	0.010	0.004	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Silver, Total	ND	mg/l	0.007	0.003	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Sodium, Total	ND	mg/l	2.00	0.120	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Thallium, Total	ND	mg/l	0.020	0.003	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Vanadium, Total	ND	mg/l	0.010	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC
Zinc, Total	ND	mg/l	0.050	0.002	1	11/06/18 07:35	11/06/18 11:41	1,6010D	LC

Prep Information

Digestion Method: EPA 3005A

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 15-19 Batch: WG1179081-1										
Lead, Total	ND		mg/kg	2.00	0.107	1	11/14/18 05:00	11/14/18 21:08	1,6010D	PE

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 15-19 Batch: WG1180275-1										
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/16/18 16:00	11/16/18 17:43	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/15/18 06:06



Lab Control Sample Analysis
Batch Quality Control**Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 Batch: WG1174448-2								
Mercury, Total	92		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 Batch: WG1174515-2 SRM Lot Number: D102-540					
Aluminum, Total	74	-	49-150	-	
Antimony, Total	162	-	1-199	-	
Arsenic, Total	96	-	83-117	-	
Barium, Total	93	-	83-118	-	
Beryllium, Total	92	-	83-116	-	
Cadmium, Total	94	-	83-118	-	
Calcium, Total	86	-	82-118	-	
Chromium, Total	92	-	83-117	-	
Cobalt, Total	91	-	84-116	-	
Copper, Total	91	-	84-116	-	
Iron, Total	92	-	61-139	-	
Lead, Total	92	-	82-118	-	
Magnesium, Total	84	-	76-124	-	
Manganese, Total	87	-	82-118	-	
Nickel, Total	91	-	83-117	-	
Potassium, Total	88	-	70-130	-	
Selenium, Total	98	-	79-121	-	
Silver, Total	96	-	80-120	-	
Sodium, Total	97	-	74-126	-	
Thallium, Total	94	-	81-119	-	
Vanadium, Total	90	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 Batch: WG1174515-2 SRM Lot Number: D102-540					
Zinc, Total	91	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 Batch: WG1174630-2 SRM Lot Number: D102-540					
Mercury, Total	104	-	65-134	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 Batch: WG1175937-2					
Arsenic, TCLP	97	-	75-125	-	20
Barium, TCLP	92	-	75-125	-	20
Cadmium, TCLP	94	-	75-125	-	20
Chromium, TCLP	90	-	75-125	-	20
Lead, TCLP	90	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	99	-	75-125	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 Batch: WG1175942-2					
Arsenic, TCLP	100	-	75-125	-	20
Barium, TCLP	92	-	75-125	-	20
Cadmium, TCLP	100	-	75-125	-	20
Chromium, TCLP	92	-	75-125	-	20
Lead, TCLP	96	-	75-125	-	20
Selenium, TCLP	100	-	75-125	-	20
Silver, TCLP	108	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 Batch: WG1176105-2					
Mercury, TCLP	108	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 Batch: WG1176111-2					
Mercury, TCLP	105	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 Batch: WG1176332-2					
Aluminum, Total	102	-	80-120	-	
Antimony, Total	97	-	80-120	-	
Arsenic, Total	108	-	80-120	-	
Barium, Total	101	-	80-120	-	
Beryllium, Total	97	-	80-120	-	
Cadmium, Total	107	-	80-120	-	
Calcium, Total	102	-	80-120	-	
Chromium, Total	100	-	80-120	-	
Cobalt, Total	99	-	80-120	-	
Copper, Total	99	-	80-120	-	
Iron, Total	106	-	80-120	-	
Lead, Total	102	-	80-120	-	
Magnesium, Total	100	-	80-120	-	
Manganese, Total	98	-	80-120	-	
Nickel, Total	100	-	80-120	-	
Potassium, Total	102	-	80-120	-	
Selenium, Total	112	-	80-120	-	
Silver, Total	114	-	80-120	-	
Sodium, Total	106	-	80-120	-	
Thallium, Total	102	-	80-120	-	
Vanadium, Total	102	-	80-120	-	

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 Batch: WG1176332-2					
Zinc, Total	106	-	80-120	-	
Total Metals - Mansfield Lab Associated sample(s): 15-19 Batch: WG1179081-2 SRM Lot Number: D102-540					
Lead, Total	85	-	82-118	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 15-19 Batch: WG1180275-2					
Lead, TCLP	87	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1174448-3 QC Sample: L1844223-01 Client ID: MS Sample												
Mercury, Total	ND	0.005	0.00478	96		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174515-3 QC Sample: L1844146-01 Client ID: MS Sample									
Aluminum, Total	1420	174	2060	368	Q	-	75-125	-	20
Antimony, Total	0.340J	43.4	41.0	94		-	75-125	-	20
Arsenic, Total	3.40	10.4	14.1	103		-	75-125	-	20
Barium, Total	43.9	174	200	90		-	75-125	-	20
Beryllium, Total	0.055J	4.34	3.10	71	Q	-	75-125	-	20
Cadmium, Total	0.357J	4.43	3.61	81		-	75-125	-	20
Calcium, Total	172000	869	155000	0	Q	-	75-125	-	20
Chromium, Total	4.82	17.4	17.7	74	Q	-	75-125	-	20
Cobalt, Total	2.03	43.4	32.6	70	Q	-	75-125	-	20
Copper, Total	8.64	21.7	31.8	107		-	75-125	-	20
Iron, Total	3230	86.9	3210	0	Q	-	75-125	-	20
Lead, Total	125.	44.3	141	36	Q	-	75-125	-	20
Magnesium, Total	1690	869	2400	82		-	75-125	-	20
Manganese, Total	147.	43.4	191	101		-	75-125	-	20
Nickel, Total	3.64	43.4	34.9	72	Q	-	75-125	-	20
Potassium, Total	566.	869	1420	98		-	75-125	-	20
Selenium, Total	0.510J	10.4	10.6	102		-	75-125	-	20
Silver, Total	0.132J	26.1	26.2	100		-	75-125	-	20
Sodium, Total	325.	869	1160	96		-	75-125	-	20
Thallium, Total	ND	10.4	6.47	62	Q	-	75-125	-	20
Vanadium, Total	11.0	43.4	48.2	86		-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174515-3 QC Sample: L1844146-01 Client ID: MS Sample									
Zinc, Total	21.6	43.4	58.6	85	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174630-3 QC Sample: L1843480-01 Client ID: MS Sample									
Mercury, Total	0.049J	0.153	0.219	143	Q	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1175937-3 QC Sample: L1843696-02 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.18	98	-	-	75-125	-	20
Barium, TCLP	0.309J	20	19.1	96	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.488	96	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.83	92	-	-	75-125	-	20
Lead, TCLP	ND	5.1	4.68	92	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.20	100	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.517	103	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 QC Batch ID: WG1175942-3 QC Sample: L1844354-03 Client ID: COMP04_0-12									
Arsenic, TCLP	ND	1.2	1.20	100	-	-	75-125	-	20
Barium, TCLP	0.734	20	18.7	90	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.500	98	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.80	90	-	-	75-125	-	20
Lead, TCLP	0.027J	5.1	4.80	94	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.20	100	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.513	103	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 QC Batch ID: WG1176105-3 QC Sample: L1844354-03 Client ID: COMP04_0-12									
Mercury, TCLP	0.0004J	0.025	0.0237	95	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1176111-3 QC Sample: L1844354-09 Client ID: COMP0304_12-20									
Mercury, TCLP	0.0005J	0.025	0.0245	98	-	-	80-120	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1176332-3 QC Sample: L1844369-01 Client ID: MS Sample									
Aluminum, Total	ND	2	2.08	104	-	-	75-125	-	20
Antimony, Total	ND	0.5	0.501	100	-	-	75-125	-	20
Arsenic, Total	ND	0.12	0.128	107	-	-	75-125	-	20
Barium, Total	ND	2	2.03	102	-	-	75-125	-	20
Beryllium, Total	ND	0.05	0.049	98	-	-	75-125	-	20
Cadmium, Total	ND	0.051	0.055	107	-	-	75-125	-	20
Calcium, Total	0.082J	10	10.2	102	-	-	75-125	-	20
Chromium, Total	ND	0.2	0.199	100	-	-	75-125	-	20
Cobalt, Total	ND	0.5	0.495	99	-	-	75-125	-	20
Copper, Total	0.004J	0.25	0.246	98	-	-	75-125	-	20
Iron, Total	ND	1	1.07	107	-	-	75-125	-	20
Lead, Total	ND	0.51	0.523	102	-	-	75-125	-	20
Magnesium, Total	ND	10	10.0	100	-	-	75-125	-	20
Manganese, Total	ND	0.5	0.496	99	-	-	75-125	-	20
Nickel, Total	ND	0.5	0.500	100	-	-	75-125	-	20
Potassium, Total	ND	10	10.4	104	-	-	75-125	-	20
Selenium, Total	ND	0.12	0.132	110	-	-	75-125	-	20
Silver, Total	ND	0.05	0.056	112	-	-	75-125	-	20
Sodium, Total	0.127J	10	11.0	110	-	-	75-125	-	20
Thallium, Total	ND	0.12	0.122	102	-	-	75-125	-	20
Vanadium, Total	ND	0.5	0.514	103	-	-	75-125	-	20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1176332-3 QC Sample: L1844369-01 Client ID: MS Sample									
Zinc, Total	ND	0.5	0.528	106	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 15-19 QC Batch ID: WG1179081-3 QC Sample: L1846079-01 Client ID: MS Sample									
Lead, Total	25.5	44.1	56.9	71	Q	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 15-19 QC Batch ID: WG1180275-3 QC Sample: L1844354-15 Client ID: WC10_4-6									
Lead, TCLP	1.73	5.1	5.93	82	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1174448-4 QC Sample: L1844223-01 Client ID: DUP Sample						
Mercury, Total	ND	ND	mg/l	NC		20
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174515-4 QC Sample: L1844146-01 Client ID: DUP Sample						
Lead, Total	125.	139	mg/kg	11		20
Total Metals - Mansfield Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174630-4 QC Sample: L1843480-01 Client ID: DUP Sample						
Mercury, Total	0.049J	0.050J	mg/kg	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1175937-4 QC Sample: L1843696-02 Client ID: DUP Sample						
Lead, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 QC Batch ID: WG1175942-4 QC Sample: L1844354-03 Client ID: COMP04_0-12						
Arsenic, TCLP	ND	ND	mg/l	NC		20
Barium, TCLP	0.734	0.750	mg/l	2		20
Cadmium, TCLP	ND	ND	mg/l	NC		20
Chromium, TCLP	ND	ND	mg/l	NC		20
Lead, TCLP	0.027J	0.040J	mg/l	NC		20
Selenium, TCLP	ND	ND	mg/l	NC		20
Silver, TCLP	ND	ND	mg/l	NC		20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10,14 QC Batch ID: WG1176105-4 QC Sample: L1844354-03 Client ID: COMP04_0-12						
Mercury, TCLP	0.0004J	0.0004J	mg/l	NC		20

Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Duplicate Analysis***Batch Quality Control***Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 09 QC Batch ID: WG1176111-4 QC Sample: L1844354-09 Client ID: COMP0304_12-20					
Mercury, TCLP	0.0005J	0.0005J	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1176332-4 QC Sample: L1844369-01 Client ID: DUP Sample					
Aluminum, Total	ND	ND	mg/l	NC	20
Antimony, Total	ND	ND	mg/l	NC	20
Arsenic, Total	ND	ND	mg/l	NC	20
Barium, Total	ND	ND	mg/l	NC	20
Beryllium, Total	ND	ND	mg/l	NC	20
Cadmium, Total	ND	ND	mg/l	NC	20
Calcium, Total	0.082J	ND	mg/l	NC	20
Chromium, Total	ND	ND	mg/l	NC	20
Cobalt, Total	ND	ND	mg/l	NC	20
Copper, Total	0.004J	0.005J	mg/l	NC	20
Iron, Total	ND	ND	mg/l	NC	20
Lead, Total	ND	ND	mg/l	NC	20
Magnesium, Total	ND	ND	mg/l	NC	20
Manganese, Total	ND	ND	mg/l	NC	20
Nickel, Total	ND	ND	mg/l	NC	20
Potassium, Total	ND	ND	mg/l	NC	20
Selenium, Total	ND	ND	mg/l	NC	20
Silver, Total	ND	ND	mg/l	NC	20
Sodium, Total	0.127J	ND	mg/l	NC	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 27 QC Batch ID: WG1176332-4 QC Sample: L1844369-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/l	NC	20
Vanadium, Total	ND	ND	mg/l	NC	20
Zinc, Total	ND	0.003J	mg/l	NC	20
Total Metals - Mansfield Lab Associated sample(s): 15-19 QC Batch ID: WG1179081-4 QC Sample: L1846079-01 Client ID: DUP Sample					
Lead, Total	25.5	46.6	mg/kg	59 Q	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 15-19 QC Batch ID: WG1180275-4 QC Sample: L1844354-15 Client ID: WC10_4-6					
Lead, TCLP	1.73	1.82	mg/l	5	20

INORGANICS & MISCELLANEOUS

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-01
Client ID: WC05_19-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 09:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.5		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-02
Client ID: WC11_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.5		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-03
Client ID: COMP04_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:40
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	10/31/18 14:10	10/31/18 16:42	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.890	0.178	1	10/31/18 20:10	11/01/18 14:24	1,7196A	NH



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-04
Client ID: WC07_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 14:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.7		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-05
Client ID: WC06_8-10
Sample Location: MANHATTAN, NY

Date Collected: 10/29/18 15:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.0		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-06**Client ID:** DUP01_GRAB_103018**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 00:00**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-07
Client ID: WC11_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 15:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.8		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-08**Client ID:** WC05_12-14**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 08:30**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	59.9		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-09
Client ID: COMP0304_12-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:35
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI
Cyanide, Total	0.29	J	mg/kg	1.2	0.25	1	10/31/18 14:10	10/31/18 16:43	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	1.01	0.202	1	10/31/18 20:10	11/01/18 14:24	1,7196A	NH



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-10
Client ID: COMP03_0-12
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 08:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.8		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI
Cyanide, Total	1.3		mg/kg	1.1	0.23	1	10/31/18 14:10	10/31/18 16:44	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.932	0.186	1	10/31/18 20:10	11/01/18 14:24	1,7196A	NH



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-13**Client ID:** WC09_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 13:00**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.5		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-14
Client ID: COMP05_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:05
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	10/31/18 14:10	10/31/18 16:45	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.950	0.190	1	10/31/18 20:10	11/01/18 14:24	1,7196A	NH



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-15**Client ID:** WC10_4-6**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 10:25**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	11/14/18 09:02	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-16
Client ID: WC10_6-8
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:30
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	11/14/18 09:02	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-17**Client ID:** WC09_2-4**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 12:45**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	11/14/18 09:02	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-18
Client ID: WC09_4-6
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 12:50
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	11/14/18 09:02	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-19**Client ID:** WC09_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 12:55**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	11/14/18 09:02	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-20
Client ID: WC09_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 13:20
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.9		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-21**Client ID:** WC10_9-11**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 10:00**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.0		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-22

Client ID: WC10_16-18

Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:05

Date Received: 10/30/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-23
Client ID: WC10_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:10
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-24
Client ID: WC10_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:15
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.6		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844354-25**Client ID:** WC10_22-24**Sample Location:** MANHATTAN, NY**Date Collected:** 10/30/18 10:20**Date Received:** 10/30/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-26
Client ID: DUP02_GRAB_103018
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 00:00
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.1		%	0.100	NA	1	-	10/31/18 10:16	121,2540G	RI



Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844354-27
Client ID: FIELD BLANK
Sample Location: MANHATTAN, NY

Date Collected: 10/30/18 10:06
Date Received: 10/30/18
Field Prep: Not Specified

Sample Depth:
Matrix: Water

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/31/18 11:30	10/31/18 14:30	1,9010C/9012B	LH



Project Name: 551 GREENWICH STREET

Lab Number: L1844354

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174273-1										
Cyanide, Total	ND		mg/kg	0.98	0.21	1	10/31/18 14:10	10/31/18 16:14	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 27 Batch: WG1174325-1										
Cyanide, Total	ND		mg/l	0.005	0.001	1	10/31/18 11:30	10/31/18 13:50	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 03,09-10,14 Batch: WG1174570-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	10/31/18 20:10	11/01/18 14:24	1,7196A	NH

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH STREET**Project Number:** 190043701**Lab Number:** L1844354**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174273-2 WG1174273-3								
Cyanide, Total	41	Q	82		80-120	66	Q	35
General Chemistry - Westborough Lab Associated sample(s): 27 Batch: WG1174325-2 WG1174325-3								
Cyanide, Total	107		108		85-115	1		20
General Chemistry - Westborough Lab Associated sample(s): 03,09-10,14 Batch: WG1174570-2								
Chromium, Hexavalent	90		-		80-120	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH STREET

Project Number: 190043701

Lab Number: L1844354

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174273-4 WG1174273-5 QC Sample: L1844138-01 Client ID: MS Sample												
Cyanide, Total	ND	11	12	110		12	110		75-125	0		35
General Chemistry - Westborough Lab Associated sample(s): 27 QC Batch ID: WG1174325-4 WG1174325-5 QC Sample: L1844332-08 Client ID: MS Sample												
Cyanide, Total	ND	0.2	0.199	100		0.252	126	Q	80-120	24	Q	20
General Chemistry - Westborough Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174570-4 QC Sample: L1844354-14 Client ID: COMP05_0-13												
Chromium, Hexavalent	ND	1230	964	78		-	-		75-125	-		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Lab Number: L1844354
Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-10,13-14,20-26 QC Batch ID: WG1174253-1 QC Sample: L1844354-01 Client ID: WC05_19-20						
Solids, Total	86.5	85.8	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 03,09-10,14 QC Batch ID: WG1174570-6 QC Sample: L1844354-14 Client ID: COMP05_0-13						
Chromium, Hexavalent	ND	1.01	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 15-19 QC Batch ID: WG1179263-1 QC Sample: L1846535-10 Client ID: DUP Sample						
Solids, Total	83.0	82.8	%	0		20

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Serial_No:02121916:48
Lab Number: L1844354
Report Date: 02/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-01A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-01B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-01C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-01D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-02A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-02B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-02C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-02D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-03A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844354-03B	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-03C	Glass 500ml/16oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-03X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844354-03X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-04A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-04B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-04C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-04D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)

Project Name: 551 GREENWICH STREET**Lab Number:** L1844354**Project Number:** 190043701**Report Date:** 02/12/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-04E	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-04X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-04Y	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-04Z	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-05A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-05B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-05C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-05D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-05E	Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-05X	Vial MeOH preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-05Y	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-05Z	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-06A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-06B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-06C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-06D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-06E	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-06X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-06Y	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-06Z	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-07A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-07B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-07C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-07D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-07E	Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-07X	Vial MeOH preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-07Y	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-07Z	Vial Water preserved split	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)

Project Name: 551 GREENWICH STREET
Project Number: 190043701

Serial_No: 02121916:48
Lab Number: L1844354
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-08A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-08B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-08C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-08D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-08E	Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-08X	Vial MeOH preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-08Y	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-08Z	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-09A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.6	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844354-09B	Glass 120ml/4oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-09C	Glass 500ml/16oz unpreserved	A	NA		2.6	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-09X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.6	Y	Absent		CD-Ci(180),AS-Ci(180),BA-Ci(180),HG-C(28),PB-Ci(180),CR-Ci(180),SE-Ci(180),AG-Ci(180)
L1844354-09X9	Tumble Vessel	A	NA		2.6	Y	Absent		-
L1844354-10A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844354-10B	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-10C	Glass 500ml/16oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-10X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		CD-Ci(180),AS-Ci(180),BA-Ci(180),HG-C(28),PB-Ci(180),CR-Ci(180),SE-Ci(180),AG-Ci(180)
L1844354-10X9	Tumble Vessel	B	NA		2.2	Y	Absent		-

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-11A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		HOLD-METAL(180)
L1844354-12A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		HOLD-METAL(180)
L1844354-13A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-13B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-13C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-13D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-13E	Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		NJEPH-TPH-CAT1(14)
L1844354-13X	Vial MeOH preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-13Y	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-13Z	Vial Water preserved split	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-14A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		2.2	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844354-14B	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-14C	Glass 500ml/16oz unpreserved	B	NA		2.2	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844354-14X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844354-14X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-15A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		PB-Ti(180)
L1844354-15B	Glass 120ml unpreserved split	B	NA		2.2	Y	Absent		TS(7)
L1844354-15X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		PB-CI(180)
L1844354-15X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-16A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		PB-Ti(180)
L1844354-16B	Glass 120ml unpreserved split	B	NA		2.2	Y	Absent		TS(7)
L1844354-16X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		PB-CI(180)
L1844354-16X9	Tumble Vessel	B	NA		2.2	Y	Absent		-

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-17A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		PB-TI(180)
L1844354-17B	Glass 120ml unpreserved split	B	NA		2.2	Y	Absent		TS(7)
L1844354-17X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		PB-CI(180)
L1844354-17X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-18A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		PB-TI(180)
L1844354-18B	Glass 120ml unpreserved split	B	NA		2.2	Y	Absent		TS(7)
L1844354-18X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		PB-CI(180)
L1844354-18X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-19A	Glass 120ml/4oz unpreserved	B	NA		2.2	Y	Absent		PB-TI(180)
L1844354-19B	Glass 120ml unpreserved split	B	NA		2.2	Y	Absent		TS(7)
L1844354-19X	Plastic 120ml HNO3 preserved Extracts	B	NA		2.2	Y	Absent		PB-CI(180)
L1844354-19X9	Tumble Vessel	B	NA		2.2	Y	Absent		-
L1844354-20A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-20B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-20C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-20D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-21A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-21B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-21C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-21D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-22A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-22B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-22C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-22D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-23A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-23B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-23C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-23D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844354-24A	Vial MeOH preserved	A	NA		2.6	Y	Absent		NYTCL-8260HLW(14)
L1844354-24B	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-24C	Vial water preserved	A	NA		2.6	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-24D	Plastic 2oz unpreserved for TS	A	NA		2.6	Y	Absent		TS(7)
L1844354-25A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-25B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-25C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-25D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-26A	Vial MeOH preserved	B	NA		2.2	Y	Absent		NYTCL-8260HLW(14)
L1844354-26B	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-26C	Vial water preserved	B	NA		2.2	Y	Absent	31-OCT-18 07:21	NYTCL-8260HLW(14)
L1844354-26D	Plastic 2oz unpreserved for TS	B	NA		2.2	Y	Absent		TS(7)
L1844354-27A	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1844354-27B	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1844354-27C	Vial HCl preserved	A	NA		2.6	Y	Absent		NYTCL-8260(14)
L1844354-27D	Plastic 250ml HNO3 preserved	A	<2	<2	2.6	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844354-27E	Plastic 250ml NaOH preserved	A	>12	>12	2.6	Y	Absent		TCN-9010(14)
L1844354-27F	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L1844354-27G	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8082-LVI(7)
L1844354-27H	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1844354-27I	Amber 120ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8081(7)
L1844354-27J	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-LVI(7)
L1844354-27K	Amber 250ml unpreserved	A	7	7	2.6	Y	Absent		NYTCL-8270-LVI(7)
L1844354-27L	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)
L1844354-27M	Amber 1000ml unpreserved	A	7	7	2.6	Y	Absent		HERB-APA(7)

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: DU Report with 'J' Qualifiers



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result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**Revision **12**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 2 of 3		Date Rec'd in Lab 10/31/18		ALPHA Job # L1844354			
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>SSI Greenwich St</u> Project Location: <u>Manhattan NY</u> Project # <u>190043701</u> (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Client Information Client: <u>LANGAN</u> Address: <u>360 W. 31st St</u> <u>JFL Manhattan NY</u> Phone: <u>212-479-5400</u> Fax: Email: <u>Paul McMahon</u>		Project Manager: <u>pmcmahone@langan.com</u> ALPHAQuote #: Turn-Around Time: Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS Part 375/TCLP VOCs, MT, EPH Part 375/TCLP/TAL Heavy Metals SVOCs, PCBs, PAHs Total Metals (incl. Hexavalent Chromium and Arsenic) TCLP Metals		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles	
Please specify Metals or TAL.								Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials						
		Date	Time								
44354-08	WC05-27-2412-14	10/30/18	0830	S	AK	✓					
-09	COMP0304-14-20	10/30/18	0835	S	AK		✓	✓	✓		
-10	COMP03-2-10	10/30/18	0850	S	AK		✓	✓	✓		
-11	WC05-6-8	10/30/18	0855	S	AK				✓		
-12	WC05-8-10	10/30/18	0905	S	AK				✓		
-13	WC09-46-8	10/30/18	1300	S	AK	✓					
-14	COMP05-2-8	10/30/18	1305	S	AK		✓	✓	✓		
-15	WC10-4-6	10/30/18	1025	S	AK				✓		
-16	WC10-6-8	10/30/18	1030	S	AK				✓		
-17	WC09-2-4	10/30/18	1245	S	AK				✓		
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative				Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: <u>Paul McMahon</u>		Date/Time: <u>10/30/18 1610</u>		Received By: <u>Paul McMahon</u>		Date/Time: <u>10/30/18 1610</u>					
<u>Mary Wapner</u>		<u>10/30/18 2:00</u>		<u>Paul McMahon</u>		<u>10/30/18 2:00</u>					
<u>Paul McMahon</u>		<u>10/31/18 00:10</u>		<u>Wendy Morin</u>		<u>10/31/18 00:10</u>					

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193 Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page <u>3</u> of <u>3</u>		Date Rec'd in Lab <u>10/31/18</u>		ALPHA Job # <u>L1844354</u>	
		Project Information Project Name: <u>SSI Greenwich St</u> Project Location: <u>Manhattan NY</u> Project # <u>190043701</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #			
Client Information Client: <u>LANGAN</u> Address: <u>360 W 31st St</u> <u>8FL Manhattan, NY</u> Phone: <u>212-479-5400</u> Fax: Email: <u>Paul McMahon</u>		Project Manager: <u>PMcMahon@LANGAN.COM</u> ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:			
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS TCL/Part 375 VOCs TCLP metals Part 375 TAL metals SVOCs, PCBs		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
Please specify Metals or TAL.						Sample Specific Comments		Total Bottle	
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date Time		Sample Matrix	Sampler's Initials				
44354-18	WC09-4-6	10/30/18	1250	S	AK		✓		
-19	WC09-6-8		1255	S	AK		✓		
-20	WC09-16-18		1320	S	AK	✓			
-21	WC10-9-11		1000	S	AK	✓			
-22	WC10-16-18		1005	S	AK	✓			
-23	WC10-18-20		1010	S	AK	✓			
-24	WC10-20-22		1015	S	AK	✓			
-25	WC10-22-24		1020	S	AK	✓			
-26	DUPO2-GRAB-103018			S	DP	✓			
-27	FIELD BLANK	✓	1006	FB	AK	✓		✓	✓
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: <u>Paul Mayella</u>		Date/Time: <u>10/30/18 1610</u>		Received By: <u>Paul Mayella</u>		Date/Time: <u>10/30/18 1610</u>			
<u>Paul Mayella</u>		<u>10/30/18 2000</u>		<u>Paul Mayella</u>		<u>10/30/18 2000</u>			
<u>Paul Mayella</u>		<u>10/31/18 00:10</u>		<u>Wendy Moroney</u>		<u>10/31/18 00:10</u>			



ANALYTICAL REPORT

Lab Number:	L1844582
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	551 GREENWICH ST
Project Number:	190043701
Report Date:	02/12/19

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844582-01	COMP06_0-13	SOIL	MANHATTAN, NY	10/31/18 09:00	10/31/18
L1844582-02	WC12_13-15	SOIL	MANHATTAN, NY	10/31/18 09:15	10/31/18
L1844582-03	COMP0506_13-24	SOIL	MANHATTAN, NY	10/31/18 09:15	10/31/18
L1844582-04	WC12_2-4	SOIL	MANHATTAN, NY	10/31/18 09:00	10/31/18
L1844582-05	WC12_4-6	SOIL	MANHATTAN, NY	10/31/18 09:00	10/31/18
L1844582-06	WC12_6-8	SOIL	MANHATTAN, NY	10/31/18 09:00	10/31/18
L1844582-07	WC13_2-4	SOIL	MANHATTAN, NY	10/31/18 12:35	10/31/18
L1844582-08	COMP07_0-14	SOIL	MANHATTAN, NY	10/31/18 12:45	10/31/18
L1844582-09	WC13_2-4	SOIL	MANHATTAN, NY	10/31/18 12:35	10/31/18
L1844582-10	WC13_6-8	SOIL	MANHATTAN, NY	10/31/18 12:35	10/31/18
L1844582-11	WC11_8-10	SOIL	MANHATTAN, NY	10/30/18 15:30	10/31/18
L1844582-12	WC13_8-10	SOIL	MANHATTAN, NY	10/31/18 12:35	10/31/18
L1844582-13	WC15_1-3	SOIL	MANHATTAN, NY	10/31/18 11:35	10/31/18
L1844582-14	WC15_20-22	SOIL	MANHATTAN, NY	10/31/18 14:20	10/31/18
L1844582-15	COMP0708_14-24	SOIL	MANHATTAN, NY	10/31/18 15:50	10/31/18
L1844582-16	EB23_15-17	SOIL	MANHATTAN, NY	10/31/18 16:00	10/31/18
L1844582-17	WC16_8-10	SOIL	MANHATTAN, NY	10/31/18 15:30	10/31/18
L1844582-18	WC13_16-18	SOIL	MANHATTAN, NY	10/31/18 13:00	10/31/18
L1844582-19	WC13_18-20	SOIL	MANHATTAN, NY	10/31/18 13:00	10/31/18
L1844582-20	WC13_20-22	SOIL	MANHATTAN, NY	10/31/18 13:05	10/31/18
L1844582-21	WC13_22-24	SOIL	MANHATTAN, NY	10/31/18 13:05	10/31/18
L1844582-22	WC14_16-18	SOIL	MANHATTAN, NY	10/31/18 10:10	10/31/18
L1844582-23	WC14_18-20	SOIL	MANHATTAN, NY	10/31/18 10:15	10/31/18
L1844582-24	WC14_20-22	SOIL	MANHATTAN, NY	10/31/18 11:30	10/31/18

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844582-25	WC14_22-24	SOIL	MANHATTAN, NY	10/31/18 10:13	10/31/18
L1844582-26	WC15_12-14	SOIL	MANHATTAN, NY	10/31/18 14:20	10/31/18
L1844582-27	WC14_14-16	SOIL	MANHATTAN, NY	10/31/18 10:35	10/31/18
L1844582-28	DUP01_COMP_103118	SOIL	MANHATTAN, NY	10/31/18 00:00	10/31/18
L1844582-29	DUP03_GRAB_103118	SOIL	MANHATTAN, NY	10/31/18 00:00	10/31/18
L1844582-30	COMP_P1_N_9-20	SOIL	MANHATTAN, NY	10/31/18 10:40	10/31/18
L1844582-31	COMP08_0-14	SOIL	MANHATTAN, NY	10/31/18 15:35	10/31/18
L1844582-32	WC15_2-4	SOIL	MANHATTAN, NY	10/31/18 14:15	10/31/18
L1844582-33	WC15_6-8	SOIL	MANHATTAN, NY	10/31/18 14:55	10/31/18
L1844582-34	WC16_2-4	SOIL	MANHATTAN, NY	10/31/18 15:30	10/31/18
L1844582-35	WC16_6-8	SOIL	MANHATTAN, NY	10/31/18 15:30	10/31/18
L1844582-38	WC14_12-16	SOIL	MANHATTAN, NY	10/31/18 11:25	10/31/18
L1844582-39	WC14_18-22	SOIL	MANHATTAN, NY	10/31/18 11:30	10/31/18
L1844582-40	WC14_24-28	SOIL	MANHATTAN, NY	10/31/18 11:35	10/31/18
L1844582-41	WC14_1-3	SOIL	MANHATTAN, NY	10/31/18 10:00	10/31/18
L1844582-42	WC14_5-7	SOIL	MANHATTAN, NY	10/31/18 10:00	10/31/18
L1844582-43	WC11_4-6	SOIL	MANHATTAN, NY	10/31/18 15:30	10/31/18

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Case Narrative (continued)

Report Revision

February 12, 2019: The sample IDs for L1844582-01, -08, and -31 have been amended.

Report Submission

December 07, 2018: This final report includes the results of all requested analyses.

November 14, 2018: This preliminary report includes the results of the BOD analysis performed on L1844582-38, -39 and -40.

November 08, 2018: This is a preliminary report.

The analysis of BOD was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

L1844582-03: The sample identified as "COMP0506_13-20" on the chain of custody was identified as "COMP0506_13-24" on the container label. At the client's request, the sample is reported as "COMP0506_13-24".

L1844582-30: The sample was received without the container for the Gasoline Range Organics analysis. An aliquot was taken from an unpreserved container and preserved appropriately.

L1844582-38, -39 and -40: Samples identified as "WC14_12-16", "WC14_18-22" and "WC14_24-28" were received but not listed on the Chain of Custody. At the client's request, these samples were analyzed.

L1844582-41, -42 and -43: Samples identified as "WC14_1-3", "WC14_5-7" and "WC11_4-6" were received but not listed on the Chain of Custody. At the client's request, these samples were not analyzed.

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Case Narrative (continued)

Volatile Organics

L1844582-24: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (134%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1844582-27: The surrogate recovery is outside the acceptance criteria for sibromofluoromethane (60%), toluene-d8 (139%) and 4-bromofluorobenzene (482%) due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

L1844582-27D: The surrogate recovery is outside the acceptance criteria for 4-bromofluorobenzene (155%) due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

TCLP Volatiles

L1844582-27: The sample has elevated detection limits due to the dilution required by the elevated concentrations of non-target compounds in the sample.

Semivolatile Organics

L1844582-08: The sample has elevated detection limits due to the dilution required by the sample matrix.

Gasoline Range Organics

L1844582-27: The surrogate recovery is outside the acceptance criteria for 1,1,1-trifluorotoluene (292%); however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

NJ EPH (Total)

The WG1175316-4 MS was not analyzed because the dilution required by the elevated concentrations of non-target compounds present in the native sample would have caused the spike compounds to be diluted below the range of calibration.

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Case Narrative (continued)

Pesticides

L1844582-30: The sample has elevated detection limits due to the dilution required by the sample matrix.

Total Metals

L1844582-01,-03, -08, -15, -28, -30 and -31: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Cristin Walker

Title: Technical Director/Representative

Date: 02/12/19

ORGANICS

VOLATILES

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-02
Client ID: WC12_13-15
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 10:25
Analyst: JC
Percent Solids: 56%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	8.4	3.9	1
1,1-Dichloroethane	ND		ug/kg	1.7	0.24	1
Chloroform	0.30	J	ug/kg	2.5	0.24	1
Carbon tetrachloride	ND		ug/kg	1.7	0.39	1
1,2-Dichloropropane	ND		ug/kg	1.7	0.21	1
Dibromochloromethane	ND		ug/kg	1.7	0.24	1
1,1,2-Trichloroethane	ND		ug/kg	1.7	0.45	1
Tetrachloroethene	ND		ug/kg	0.84	0.33	1
Chlorobenzene	ND		ug/kg	0.84	0.21	1
Trichlorofluoromethane	ND		ug/kg	6.8	1.2	1
1,2-Dichloroethane	ND		ug/kg	1.7	0.43	1
1,1,1-Trichloroethane	ND		ug/kg	0.84	0.28	1
Bromodichloromethane	ND		ug/kg	0.84	0.18	1
trans-1,3-Dichloropropene	ND		ug/kg	1.7	0.46	1
cis-1,3-Dichloropropene	ND		ug/kg	0.84	0.27	1
1,3-Dichloropropene, Total	ND		ug/kg	0.84	0.27	1
1,1-Dichloropropene	ND		ug/kg	0.84	0.27	1
Bromoform	ND		ug/kg	6.8	0.42	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.84	0.28	1
Benzene	ND		ug/kg	0.84	0.28	1
Toluene	2.2		ug/kg	1.7	0.92	1
Ethylbenzene	0.66	J	ug/kg	1.7	0.24	1
Chloromethane	ND		ug/kg	6.8	1.6	1
Bromomethane	ND		ug/kg	3.4	0.98	1
Vinyl chloride	ND		ug/kg	1.7	0.56	1
Chloroethane	ND		ug/kg	3.4	0.76	1
1,1-Dichloroethene	ND		ug/kg	1.7	0.40	1
trans-1,2-Dichloroethene	ND		ug/kg	2.5	0.23	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-02
 Client ID: WC12_13-15
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.84	0.23	1
1,2-Dichlorobenzene	ND		ug/kg	3.4	0.24	1
1,3-Dichlorobenzene	ND		ug/kg	3.4	0.25	1
1,4-Dichlorobenzene	ND		ug/kg	3.4	0.29	1
Methyl tert butyl ether	ND		ug/kg	3.4	0.34	1
p/m-Xylene	2.8	J	ug/kg	3.4	0.94	1
o-Xylene	1.0	J	ug/kg	1.7	0.49	1
Xylenes, Total	3.8	J	ug/kg	1.7	0.49	1
cis-1,2-Dichloroethene	ND		ug/kg	1.7	0.30	1
Dibromomethane	ND		ug/kg	3.4	0.40	1
Styrene	ND		ug/kg	1.7	0.33	1
Dichlorodifluoromethane	ND		ug/kg	17	1.5	1
Acetone	310		ug/kg	17	8.1	1
Carbon disulfide	ND		ug/kg	17	7.7	1
2-Butanone	40		ug/kg	17	3.7	1
Vinyl acetate	ND		ug/kg	17	3.6	1
4-Methyl-2-pentanone	ND		ug/kg	17	2.2	1
1,2,3-Trichloropropane	ND		ug/kg	3.4	0.21	1
2-Hexanone	ND		ug/kg	17	2.0	1
Bromochloromethane	ND		ug/kg	3.4	0.34	1
2,2-Dichloropropane	ND		ug/kg	3.4	0.34	1
1,2-Dibromoethane	ND		ug/kg	1.7	0.47	1
1,3-Dichloropropane	ND		ug/kg	3.4	0.28	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.84	0.22	1
Bromobenzene	ND		ug/kg	3.4	0.24	1
n-Butylbenzene	ND		ug/kg	1.7	0.28	1
sec-Butylbenzene	ND		ug/kg	1.7	0.25	1
tert-Butylbenzene	4.8		ug/kg	3.4	0.20	1
o-Chlorotoluene	ND		ug/kg	3.4	0.32	1
p-Chlorotoluene	ND		ug/kg	3.4	0.18	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	5.1	1.7	1
Hexachlorobutadiene	ND		ug/kg	6.8	0.28	1
Isopropylbenzene	0.33	J	ug/kg	1.7	0.18	1
p-Isopropyltoluene	ND		ug/kg	1.7	0.18	1
Naphthalene	6.1	J	ug/kg	6.8	1.1	1
Acrylonitrile	ND		ug/kg	6.8	1.9	1
Tert-Butyl Alcohol	ND		ug/kg	34	8.7	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-02
Client ID: WC12_13-15
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.71	J	ug/kg	1.7	0.29	1
1,2,3-Trichlorobenzene	ND		ug/kg	3.4	0.54	1
1,2,4-Trichlorobenzene	ND		ug/kg	3.4	0.46	1
1,3,5-Trimethylbenzene	1.4	J	ug/kg	3.4	0.32	1
1,2,4-Trimethylbenzene	2.6	J	ug/kg	3.4	0.56	1
Methyl Acetate	6.7	J	ug/kg	6.8	1.6	1
Acrolein	ND		ug/kg	42	9.5	1
Cyclohexane	3.0	J	ug/kg	17	0.92	1
1,4-Dioxane	ND		ug/kg	170	59.	1
Freon-113	ND		ug/kg	6.8	1.2	1
p-Diethylbenzene	ND		ug/kg	3.4	0.30	1
p-Ethyltoluene	1.7	J	ug/kg	3.4	0.65	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	3.4	0.32	1
Ethyl ether	ND		ug/kg	3.4	0.58	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	8.4	2.4	1
Methyl cyclohexane	2.3	J	ug/kg	6.8	1.0	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	129		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-07
Client ID: WC13_2-4
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 10:52
Analyst: JC
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.4	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.20	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.13	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.29	1
Tetrachloroethene	ND		ug/kg	0.54	0.21	1
Chlorobenzene	ND		ug/kg	0.54	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.3	0.75	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.54	0.18	1
Bromodichloromethane	ND		ug/kg	0.54	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.54	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.54	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.54	0.17	1
Bromoform	ND		ug/kg	4.3	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.54	0.18	1
Benzene	1.3		ug/kg	0.54	0.18	1
Toluene	4.6		ug/kg	1.1	0.58	1
Ethylbenzene	1.6		ug/kg	1.1	0.15	1
Chloromethane	ND		ug/kg	4.3	1.0	1
Bromomethane	ND		ug/kg	2.1	0.62	1
Vinyl chloride	ND		ug/kg	1.1	0.36	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-07

Date Collected: 10/31/18 12:35

Client ID: WC13_2-4

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.54	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.22	1
p/m-Xylene	7.0		ug/kg	2.1	0.60	1
o-Xylene	2.7		ug/kg	1.1	0.31	1
Xylenes, Total	9.7		ug/kg	1.1	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.1	0.26	1
Styrene	ND		ug/kg	1.1	0.21	1
Dichlorodifluoromethane	ND		ug/kg	11	0.98	1
Acetone	5.9	J	ug/kg	11	5.2	1
Carbon disulfide	ND		ug/kg	11	4.9	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.30	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.54	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.16	1
n-Butylbenzene	0.24	J	ug/kg	1.1	0.18	1
sec-Butylbenzene	0.16	J	ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.1	0.13	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.3	0.18	1
Isopropylbenzene	0.28	J	ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.3	0.70	1
Acrylonitrile	ND		ug/kg	4.3	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.5	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-07
Client ID: WC13_2-4
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.71	J	ug/kg	1.1	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	1.4	J	ug/kg	2.1	0.21	1
1,2,4-Trimethylbenzene	3.5		ug/kg	2.1	0.36	1
Methyl Acetate	ND		ug/kg	4.3	1.0	1
Acrolein	ND		ug/kg	27	6.0	1
Cyclohexane	2.5	J	ug/kg	11	0.58	1
1,4-Dioxane	ND		ug/kg	110	38.	1
Freon-113	ND		ug/kg	4.3	0.74	1
p-Diethylbenzene	1.1	J	ug/kg	2.1	0.19	1
p-Ethyltoluene	2.6		ug/kg	2.1	0.41	1
1,2,4,5-Tetramethylbenzene	0.41	J	ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.37	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.4	1.5	1
Methyl cyclohexane	5.2		ug/kg	4.3	0.65	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-13
Client ID: WC15_1-3
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 11:20
Analyst: JC
Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.23	J	ug/kg	1.8	0.17	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.17	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.32	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	ND		ug/kg	0.59	0.20	1
Toluene	1.7		ug/kg	1.2	0.64	1
Ethylbenzene	0.43	J	ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.69	1
Vinyl chloride	ND		ug/kg	1.2	0.40	1
Chloroethane	ND		ug/kg	2.4	0.54	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-13

Date Collected: 10/31/18 11:35

Client ID: WC15_1-3

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.18	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	ND		ug/kg	2.4	0.24	1
p/m-Xylene	1.7	J	ug/kg	2.4	0.66	1
o-Xylene	0.67	J	ug/kg	1.2	0.34	1
Xylenes, Total	2.4	J	ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	ND		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.6	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	ND		ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.23	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.6	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	0.13	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	ND		ug/kg	4.7	0.77	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1
Tert-Butyl Alcohol	ND		ug/kg	24	6.1	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-13
Client ID: WC15_1-3
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.29	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	0.44	J	ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	1.0	J	ug/kg	2.4	0.40	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Acrolein	ND		ug/kg	30	6.7	1
Cyclohexane	0.79	J	ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	120	42.	1
Freon-113	ND		ug/kg	4.7	0.82	1
p-Diethylbenzene	0.32	J	ug/kg	2.4	0.21	1
p-Ethyltoluene	0.85	J	ug/kg	2.4	0.46	1
1,2,4,5-Tetramethylbenzene	0.26	J	ug/kg	2.4	0.23	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1
Methyl cyclohexane	2.8	J	ug/kg	4.7	0.72	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	109		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-14
Client ID: WC15_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 14:20
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 14:06
Analyst: MKS
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	53		ug/kg	0.52	0.17	1
Toluene	1.9		ug/kg	1.0	0.56	1
Ethylbenzene	0.70	J	ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.1	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-14
 Client ID: WC15_20-22
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 14:20
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	8.6		ug/kg	2.1	0.58	1
o-Xylene	1.5		ug/kg	1.0	0.30	1
Xylenes, Total	10		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.94	1
Acetone	17		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	1.6		ug/kg	1.0	0.17	1
sec-Butylbenzene	0.94	J	ug/kg	1.0	0.15	1
tert-Butylbenzene	0.18	J	ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.1	0.17	1
Isopropylbenzene	3.6		ug/kg	1.0	0.11	1
p-Isopropyltoluene	0.56	J	ug/kg	1.0	0.11	1
Naphthalene	2.1	J	ug/kg	4.1	0.67	1
Acrylonitrile	ND		ug/kg	4.1	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.3	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-14
Client ID: WC15_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 14:20
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	6.3		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
1,3,5-Trimethylbenzene	1.6	J	ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	2.1		ug/kg	2.1	0.34	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Acrolein	ND		ug/kg	26	5.8	1
Cyclohexane	42		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.1	0.71	1
p-Diethylbenzene	1.6	J	ug/kg	2.1	0.18	1
p-Ethyltoluene	1.2	J	ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	10		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.35	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Methyl cyclohexane	54		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	103		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-16
Client ID: EB23_15-17
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 16:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 22:33
Analyst: MV
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	57	8.2	1
Chloroform	ND		ug/kg	85	8.0	1
Carbon tetrachloride	ND		ug/kg	57	13.	1
1,2-Dichloropropane	ND		ug/kg	57	7.1	1
Dibromochloromethane	ND		ug/kg	57	8.0	1
1,1,2-Trichloroethane	ND		ug/kg	57	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.2	1
Trichlorofluoromethane	ND		ug/kg	230	40.	1
1,2-Dichloroethane	ND		ug/kg	57	15.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.5	1
Bromodichloromethane	ND		ug/kg	28	6.2	1
trans-1,3-Dichloropropene	ND		ug/kg	57	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	9.0	1
1,3-Dichloropropene, Total	ND		ug/kg	28	9.0	1
1,1-Dichloropropene	ND		ug/kg	28	9.0	1
Bromoform	ND		ug/kg	230	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.4	1
Benzene	ND		ug/kg	28	9.4	1
Toluene	ND		ug/kg	57	31.	1
Ethylbenzene	400		ug/kg	57	8.0	1
Chloromethane	ND		ug/kg	230	53.	1
Bromomethane	ND		ug/kg	110	33.	1
Vinyl chloride	ND		ug/kg	57	19.	1
Chloroethane	ND		ug/kg	110	26.	1
1,1-Dichloroethene	ND		ug/kg	57	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	85	7.8	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-16
 Client ID: EB23_15-17
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 16:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.8	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.2	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.4	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.7	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	1300		ug/kg	110	32.	1
o-Xylene	180		ug/kg	57	16.	1
Xylenes, Total	1500		ug/kg	57	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	57	10.	1
Dibromomethane	ND		ug/kg	110	14.	1
Styrene	ND		ug/kg	57	11.	1
Dichlorodifluoromethane	ND		ug/kg	570	52.	1
Acetone	ND		ug/kg	570	270	1
Carbon disulfide	ND		ug/kg	570	260	1
2-Butanone	ND		ug/kg	570	130	1
Vinyl acetate	ND		ug/kg	570	120	1
4-Methyl-2-pentanone	ND		ug/kg	570	73.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.2	1
2-Hexanone	ND		ug/kg	570	67.	1
Bromochloromethane	ND		ug/kg	110	12.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	57	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.5	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.5	1
Bromobenzene	ND		ug/kg	110	8.2	1
n-Butylbenzene	74		ug/kg	57	9.5	1
sec-Butylbenzene	36	J	ug/kg	57	8.3	1
tert-Butylbenzene	ND		ug/kg	110	6.7	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	57.	1
Hexachlorobutadiene	ND		ug/kg	230	9.6	1
Isopropylbenzene	88		ug/kg	57	6.2	1
p-Isopropyltoluene	42	J	ug/kg	57	6.2	1
Naphthalene	240		ug/kg	230	37.	1
Acrylonitrile	ND		ug/kg	230	65.	1
Tert-Butyl Alcohol	ND		ug/kg	1100	290	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-16
Client ID: EB23_15-17
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 16:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	210		ug/kg	57	9.7	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	510		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	1200		ug/kg	110	19.	1
Methyl Acetate	ND		ug/kg	230	54.	1
Acrolein	ND		ug/kg	1400	320	1
Cyclohexane	770		ug/kg	570	31.	1
1,4-Dioxane	ND		ug/kg	5700	2000	1
Freon-113	ND		ug/kg	230	39.	1
p-Diethylbenzene	570		ug/kg	110	10.	1
p-Ethyltoluene	660		ug/kg	110	22.	1
1,2,4,5-Tetramethylbenzene	190		ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	81.	1
Methyl cyclohexane	2300		ug/kg	230	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-18 D
Client ID: WC13_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 14:32
Analyst: MKS
Percent Solids: 85%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	5600	2600	20
1,1-Dichloroethane	ND		ug/kg	1100	160	20
Chloroform	ND		ug/kg	1700	160	20
Carbon tetrachloride	ND		ug/kg	1100	260	20
1,2-Dichloropropane	ND		ug/kg	1100	140	20
Dibromochloromethane	ND		ug/kg	1100	160	20
1,1,2-Trichloroethane	ND		ug/kg	1100	300	20
Tetrachloroethene	ND		ug/kg	560	220	20
Chlorobenzene	ND		ug/kg	560	140	20
Trichlorofluoromethane	ND		ug/kg	4500	780	20
1,2-Dichloroethane	ND		ug/kg	1100	290	20
1,1,1-Trichloroethane	ND		ug/kg	560	190	20
Bromodichloromethane	ND		ug/kg	560	120	20
trans-1,3-Dichloropropene	ND		ug/kg	1100	310	20
cis-1,3-Dichloropropene	ND		ug/kg	560	180	20
1,3-Dichloropropene, Total	ND		ug/kg	560	180	20
1,1-Dichloropropene	ND		ug/kg	560	180	20
Bromoform	ND		ug/kg	4500	280	20
1,1,2,2-Tetrachloroethane	ND		ug/kg	560	190	20
Benzene	26000		ug/kg	560	190	20
Toluene	130000		ug/kg	1100	610	20
Ethylbenzene	51000		ug/kg	1100	160	20
Chloromethane	ND		ug/kg	4500	1000	20
Bromomethane	ND		ug/kg	2200	660	20
Vinyl chloride	ND		ug/kg	1100	380	20
Chloroethane	ND		ug/kg	2200	510	20
1,1-Dichloroethene	ND		ug/kg	1100	270	20
trans-1,2-Dichloroethene	ND		ug/kg	1700	150	20

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-18 D

Date Collected: 10/31/18 13:00

Client ID: WC13_16-18

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	560	150	20
1,2-Dichlorobenzene	ND		ug/kg	2200	160	20
1,3-Dichlorobenzene	ND		ug/kg	2200	170	20
1,4-Dichlorobenzene	ND		ug/kg	2200	190	20
Methyl tert butyl ether	ND		ug/kg	2200	230	20
p/m-Xylene	260000		ug/kg	2200	630	20
o-Xylene	110000		ug/kg	1100	330	20
Xylenes, Total	370000		ug/kg	1100	330	20
cis-1,2-Dichloroethene	ND		ug/kg	1100	200	20
Dibromomethane	ND		ug/kg	2200	270	20
Styrene	ND		ug/kg	1100	220	20
Dichlorodifluoromethane	ND		ug/kg	11000	1000	20
Acetone	ND		ug/kg	11000	5400	20
Carbon disulfide	ND		ug/kg	11000	5100	20
2-Butanone	ND		ug/kg	11000	2500	20
Vinyl acetate	ND		ug/kg	11000	2400	20
4-Methyl-2-pentanone	ND		ug/kg	11000	1400	20
1,2,3-Trichloropropane	2500		ug/kg	2200	140	20
2-Hexanone	ND		ug/kg	11000	1300	20
Bromochloromethane	ND		ug/kg	2200	230	20
2,2-Dichloropropane	ND		ug/kg	2200	230	20
1,2-Dibromoethane	ND		ug/kg	1100	310	20
1,3-Dichloropropane	ND		ug/kg	2200	190	20
1,1,1,2-Tetrachloroethane	ND		ug/kg	560	150	20
Bromobenzene	ND		ug/kg	2200	160	20
n-Butylbenzene	5400		ug/kg	1100	190	20
sec-Butylbenzene	2900		ug/kg	1100	160	20
tert-Butylbenzene	420	J	ug/kg	2200	130	20
o-Chlorotoluene	ND		ug/kg	2200	220	20
p-Chlorotoluene	ND		ug/kg	2200	120	20
1,2-Dibromo-3-chloropropane	ND		ug/kg	3400	1100	20
Hexachlorobutadiene	ND		ug/kg	4500	190	20
Isopropylbenzene	8200		ug/kg	1100	120	20
p-Isopropyltoluene	3600		ug/kg	1100	120	20
Naphthalene	27000		ug/kg	4500	730	20
Acrylonitrile	ND		ug/kg	4500	1300	20
Tert-Butyl Alcohol	ND		ug/kg	22000	5800	20

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-18 D

Date Collected: 10/31/18 13:00

Client ID: WC13_16-18

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	17000		ug/kg	1100	190	20
1,2,3-Trichlorobenzene	ND		ug/kg	2200	360	20
1,2,4-Trichlorobenzene	ND		ug/kg	2200	310	20
1,3,5-Trimethylbenzene	54000		ug/kg	2200	220	20
1,2,4-Trimethylbenzene	140000		ug/kg	2200	380	20
Methyl Acetate	ND		ug/kg	4500	1100	20
Acrolein	ND		ug/kg	28000	6400	20
Cyclohexane	120000		ug/kg	11000	610	20
1,4-Dioxane	ND		ug/kg	110000	40000	20
Freon-113	ND		ug/kg	4500	780	20
p-Diethylbenzene	49000		ug/kg	2200	200	20
p-Ethyltoluene	110000		ug/kg	2200	430	20
1,2,4,5-Tetramethylbenzene	15000		ug/kg	2200	220	20
Ethyl ether	ND		ug/kg	2200	380	20
trans-1,4-Dichloro-2-butene	ND		ug/kg	5600	1600	20
Methyl cyclohexane	280000		ug/kg	4500	680	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	115		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-19 D
Client ID: WC13_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 23:25
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	7800	3600	25
1,1-Dichloroethane	ND		ug/kg	1600	230	25
Chloroform	ND		ug/kg	2400	220	25
Carbon tetrachloride	ND		ug/kg	1600	360	25
1,2-Dichloropropane	ND		ug/kg	1600	200	25
Dibromochloromethane	ND		ug/kg	1600	220	25
1,1,2-Trichloroethane	ND		ug/kg	1600	420	25
Tetrachloroethene	ND		ug/kg	780	310	25
Chlorobenzene	ND		ug/kg	780	200	25
Trichlorofluoromethane	ND		ug/kg	6300	1100	25
1,2-Dichloroethane	ND		ug/kg	1600	400	25
1,1,1-Trichloroethane	ND		ug/kg	780	260	25
Bromodichloromethane	ND		ug/kg	780	170	25
trans-1,3-Dichloropropene	ND		ug/kg	1600	430	25
cis-1,3-Dichloropropene	ND		ug/kg	780	250	25
1,3-Dichloropropene, Total	ND		ug/kg	780	250	25
1,1-Dichloropropene	ND		ug/kg	780	250	25
Bromoform	ND		ug/kg	6300	390	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	780	260	25
Benzene	29000		ug/kg	780	260	25
Toluene	170000		ug/kg	1600	850	25
Ethylbenzene	52000		ug/kg	1600	220	25
Chloromethane	ND		ug/kg	6300	1500	25
Bromomethane	ND		ug/kg	3100	910	25
Vinyl chloride	ND		ug/kg	1600	530	25
Chloroethane	ND		ug/kg	3100	710	25
1,1-Dichloroethene	ND		ug/kg	1600	370	25
trans-1,2-Dichloroethene	ND		ug/kg	2400	220	25

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-19 D

Date Collected: 10/31/18 13:00

Client ID: WC13_18-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	780	220	25
1,2-Dichlorobenzene	ND		ug/kg	3100	230	25
1,3-Dichlorobenzene	ND		ug/kg	3100	230	25
1,4-Dichlorobenzene	ND		ug/kg	3100	270	25
Methyl tert butyl ether	ND		ug/kg	3100	320	25
p/m-Xylene	240000		ug/kg	3100	880	25
o-Xylene	120000		ug/kg	1600	460	25
Xylenes, Total	360000		ug/kg	1600	460	25
cis-1,2-Dichloroethene	ND		ug/kg	1600	280	25
Dibromomethane	ND		ug/kg	3100	370	25
Styrene	ND		ug/kg	1600	310	25
Dichlorodifluoromethane	ND		ug/kg	16000	1400	25
Acetone	ND		ug/kg	16000	7600	25
Carbon disulfide	ND		ug/kg	16000	7200	25
2-Butanone	ND		ug/kg	16000	3500	25
Vinyl acetate	ND		ug/kg	16000	3400	25
4-Methyl-2-pentanone	ND		ug/kg	16000	2000	25
1,2,3-Trichloropropane	ND		ug/kg	3100	200	25
2-Hexanone	ND		ug/kg	16000	1800	25
Bromochloromethane	ND		ug/kg	3100	320	25
2,2-Dichloropropane	ND		ug/kg	3100	320	25
1,2-Dibromoethane	ND		ug/kg	1600	440	25
1,3-Dichloropropane	ND		ug/kg	3100	260	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	780	210	25
Bromobenzene	ND		ug/kg	3100	230	25
n-Butylbenzene	5800		ug/kg	1600	260	25
sec-Butylbenzene	2600		ug/kg	1600	230	25
tert-Butylbenzene	ND		ug/kg	3100	180	25
o-Chlorotoluene	ND		ug/kg	3100	300	25
p-Chlorotoluene	ND		ug/kg	3100	170	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	4700	1600	25
Hexachlorobutadiene	ND		ug/kg	6300	260	25
Isopropylbenzene	6900		ug/kg	1600	170	25
p-Isopropyltoluene	2600		ug/kg	1600	170	25
Naphthalene	30000		ug/kg	6300	1000	25
Acrylonitrile	ND		ug/kg	6300	1800	25
Tert-Butyl Alcohol	ND		ug/kg	31000	8100	25

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-19 D

Date Collected: 10/31/18 13:00

Client ID: WC13_18-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	20000		ug/kg	1600	270	25
1,2,3-Trichlorobenzene	ND		ug/kg	3100	510	25
1,2,4-Trichlorobenzene	ND		ug/kg	3100	430	25
1,3,5-Trimethylbenzene	52000		ug/kg	3100	300	25
1,2,4-Trimethylbenzene	150000		ug/kg	3100	520	25
Methyl Acetate	ND		ug/kg	6300	1500	25
Acrolein	ND		ug/kg	39000	8800	25
Cyclohexane	120000		ug/kg	16000	850	25
1,4-Dioxane	ND		ug/kg	160000	55000	25
Freon-113	ND		ug/kg	6300	1100	25
p-Diethylbenzene	54000		ug/kg	3100	280	25
p-Ethyltoluene	120000		ug/kg	3100	600	25
1,2,4,5-Tetramethylbenzene	17000		ug/kg	3100	300	25
Ethyl ether	ND		ug/kg	3100	540	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	7800	2200	25
Methyl cyclohexane	240000		ug/kg	6300	950	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	113		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	108		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-20 D
Client ID: WC13_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:05
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 23:51
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	4300	2000	25
1,1-Dichloroethane	ND		ug/kg	860	120	25
Chloroform	ND		ug/kg	1300	120	25
Carbon tetrachloride	ND		ug/kg	860	200	25
1,2-Dichloropropane	ND		ug/kg	860	110	25
Dibromochloromethane	ND		ug/kg	860	120	25
1,1,2-Trichloroethane	ND		ug/kg	860	230	25
Tetrachloroethene	ND		ug/kg	430	170	25
Chlorobenzene	ND		ug/kg	430	110	25
Trichlorofluoromethane	ND		ug/kg	3400	600	25
1,2-Dichloroethane	ND		ug/kg	860	220	25
1,1,1-Trichloroethane	ND		ug/kg	430	140	25
Bromodichloromethane	ND		ug/kg	430	94.	25
trans-1,3-Dichloropropene	ND		ug/kg	860	230	25
cis-1,3-Dichloropropene	ND		ug/kg	430	140	25
1,3-Dichloropropene, Total	ND		ug/kg	430	140	25
1,1-Dichloropropene	ND		ug/kg	430	140	25
Bromoform	ND		ug/kg	3400	210	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	430	140	25
Benzene	14000		ug/kg	430	140	25
Toluene	100000		ug/kg	860	470	25
Ethylbenzene	34000		ug/kg	860	120	25
Chloromethane	ND		ug/kg	3400	800	25
Bromomethane	ND		ug/kg	1700	500	25
Vinyl chloride	ND		ug/kg	860	290	25
Chloroethane	ND		ug/kg	1700	390	25
1,1-Dichloroethene	ND		ug/kg	860	200	25
trans-1,2-Dichloroethene	ND		ug/kg	1300	120	25

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-20 D

Date Collected: 10/31/18 13:05

Client ID: WC13_20-22

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	430	120	25
1,2-Dichlorobenzene	ND		ug/kg	1700	120	25
1,3-Dichlorobenzene	ND		ug/kg	1700	130	25
1,4-Dichlorobenzene	ND		ug/kg	1700	150	25
Methyl tert butyl ether	ND		ug/kg	1700	170	25
p/m-Xylene	160000		ug/kg	1700	480	25
o-Xylene	80000		ug/kg	860	250	25
Xylenes, Total	240000		ug/kg	860	250	25
cis-1,2-Dichloroethene	ND		ug/kg	860	150	25
Dibromomethane	ND		ug/kg	1700	200	25
Styrene	ND		ug/kg	860	170	25
Dichlorodifluoromethane	ND		ug/kg	8600	790	25
Acetone	ND		ug/kg	8600	4100	25
Carbon disulfide	ND		ug/kg	8600	3900	25
2-Butanone	ND		ug/kg	8600	1900	25
Vinyl acetate	ND		ug/kg	8600	1800	25
4-Methyl-2-pentanone	ND		ug/kg	8600	1100	25
1,2,3-Trichloropropane	ND		ug/kg	1700	110	25
2-Hexanone	ND		ug/kg	8600	1000	25
Bromochloromethane	ND		ug/kg	1700	180	25
2,2-Dichloropropane	ND		ug/kg	1700	170	25
1,2-Dibromoethane	ND		ug/kg	860	240	25
1,3-Dichloropropane	ND		ug/kg	1700	140	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	430	110	25
Bromobenzene	ND		ug/kg	1700	120	25
n-Butylbenzene	3200		ug/kg	860	140	25
sec-Butylbenzene	1600		ug/kg	860	120	25
tert-Butylbenzene	180	J	ug/kg	1700	100	25
o-Chlorotoluene	ND		ug/kg	1700	160	25
p-Chlorotoluene	ND		ug/kg	1700	93.	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	2600	860	25
Hexachlorobutadiene	ND		ug/kg	3400	140	25
Isopropylbenzene	4800		ug/kg	860	94.	25
p-Isopropyltoluene	1700		ug/kg	860	94.	25
Naphthalene	26000		ug/kg	3400	560	25
Acrylonitrile	ND		ug/kg	3400	990	25
Tert-Butyl Alcohol	ND		ug/kg	17000	4400	25

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-20 D

Date Collected: 10/31/18 13:05

Client ID: WC13_20-22

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	13000		ug/kg	860	150	25
1,2,3-Trichlorobenzene	ND		ug/kg	1700	280	25
1,2,4-Trichlorobenzene	ND		ug/kg	1700	230	25
1,3,5-Trimethylbenzene	34000		ug/kg	1700	160	25
1,2,4-Trimethylbenzene	100000		ug/kg	1700	290	25
Methyl Acetate	ND		ug/kg	3400	820	25
Acrolein	ND		ug/kg	21000	4800	25
Cyclohexane	7200	J	ug/kg	8600	470	25
1,4-Dioxane	ND		ug/kg	86000	30000	25
Freon-113	ND		ug/kg	3400	600	25
p-Diethylbenzene	31000		ug/kg	1700	150	25
p-Ethyltoluene	80000		ug/kg	1700	330	25
1,2,4,5-Tetramethylbenzene	9600		ug/kg	1700	160	25
Ethyl ether	ND		ug/kg	1700	290	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	4300	1200	25
Methyl cyclohexane	22000		ug/kg	3400	520	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-21
Client ID: WC13_22-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:05
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/06/18 11:48
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.9	2.7	1
1,1-Dichloroethane	ND		ug/kg	1.2	0.17	1
Chloroform	0.22	J	ug/kg	1.8	0.16	1
Carbon tetrachloride	ND		ug/kg	1.2	0.27	1
1,2-Dichloropropane	ND		ug/kg	1.2	0.15	1
Dibromochloromethane	ND		ug/kg	1.2	0.16	1
1,1,2-Trichloroethane	ND		ug/kg	1.2	0.31	1
Tetrachloroethene	ND		ug/kg	0.59	0.23	1
Chlorobenzene	ND		ug/kg	0.59	0.15	1
Trichlorofluoromethane	ND		ug/kg	4.7	0.82	1
1,2-Dichloroethane	ND		ug/kg	1.2	0.30	1
1,1,1-Trichloroethane	ND		ug/kg	0.59	0.20	1
Bromodichloromethane	ND		ug/kg	0.59	0.13	1
trans-1,3-Dichloropropene	ND		ug/kg	1.2	0.32	1
cis-1,3-Dichloropropene	ND		ug/kg	0.59	0.19	1
1,3-Dichloropropene, Total	ND		ug/kg	0.59	0.19	1
1,1-Dichloropropene	ND		ug/kg	0.59	0.19	1
Bromoform	ND		ug/kg	4.7	0.29	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.59	0.20	1
Benzene	19		ug/kg	0.59	0.20	1
Toluene	12		ug/kg	1.2	0.64	1
Ethylbenzene	2.8		ug/kg	1.2	0.17	1
Chloromethane	ND		ug/kg	4.7	1.1	1
Bromomethane	ND		ug/kg	2.4	0.68	1
Vinyl chloride	ND		ug/kg	1.2	0.39	1
Chloroethane	ND		ug/kg	2.4	0.53	1
1,1-Dichloroethene	ND		ug/kg	1.2	0.28	1
trans-1,2-Dichloroethene	ND		ug/kg	1.8	0.16	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-21
 Client ID: WC13_22-24
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:05
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.59	0.16	1
1,2-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,3-Dichlorobenzene	ND		ug/kg	2.4	0.17	1
1,4-Dichlorobenzene	ND		ug/kg	2.4	0.20	1
Methyl tert butyl ether	0.96	J	ug/kg	2.4	0.24	1
p/m-Xylene	13		ug/kg	2.4	0.66	1
o-Xylene	5.8		ug/kg	1.2	0.34	1
Xylenes, Total	19		ug/kg	1.2	0.34	1
cis-1,2-Dichloroethene	ND		ug/kg	1.2	0.21	1
Dibromomethane	ND		ug/kg	2.4	0.28	1
Styrene	ND		ug/kg	1.2	0.23	1
Dichlorodifluoromethane	ND		ug/kg	12	1.1	1
Acetone	30		ug/kg	12	5.7	1
Carbon disulfide	ND		ug/kg	12	5.4	1
2-Butanone	ND		ug/kg	12	2.6	1
Vinyl acetate	ND		ug/kg	12	2.5	1
4-Methyl-2-pentanone	ND		ug/kg	12	1.5	1
1,2,3-Trichloropropane	ND		ug/kg	2.4	0.15	1
2-Hexanone	ND		ug/kg	12	1.4	1
Bromochloromethane	ND		ug/kg	2.4	0.24	1
2,2-Dichloropropane	ND		ug/kg	2.4	0.24	1
1,2-Dibromoethane	ND		ug/kg	1.2	0.33	1
1,3-Dichloropropane	ND		ug/kg	2.4	0.20	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.59	0.16	1
Bromobenzene	ND		ug/kg	2.4	0.17	1
n-Butylbenzene	0.23	J	ug/kg	1.2	0.20	1
sec-Butylbenzene	ND		ug/kg	1.2	0.17	1
tert-Butylbenzene	ND		ug/kg	2.4	0.14	1
o-Chlorotoluene	ND		ug/kg	2.4	0.22	1
p-Chlorotoluene	ND		ug/kg	2.4	0.13	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.5	1.2	1
Hexachlorobutadiene	ND		ug/kg	4.7	0.20	1
Isopropylbenzene	0.50	J	ug/kg	1.2	0.13	1
p-Isopropyltoluene	ND		ug/kg	1.2	0.13	1
Naphthalene	2.4	J	ug/kg	4.7	0.76	1
Acrylonitrile	ND		ug/kg	4.7	1.4	1
Tert-Butyl Alcohol	ND		ug/kg	24	6.0	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-21
Client ID: WC13_22-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:05
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	0.92	J	ug/kg	1.2	0.20	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.4	0.38	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.4	0.32	1
1,3,5-Trimethylbenzene	1.7	J	ug/kg	2.4	0.23	1
1,2,4-Trimethylbenzene	5.0		ug/kg	2.4	0.39	1
Methyl Acetate	ND		ug/kg	4.7	1.1	1
Acrolein	ND		ug/kg	29	6.6	1
Cyclohexane	3.5	J	ug/kg	12	0.64	1
1,4-Dioxane	ND		ug/kg	120	41.	1
Freon-113	ND		ug/kg	4.7	0.82	1
p-Diethylbenzene	1.2	J	ug/kg	2.4	0.21	1
p-Ethyltoluene	3.2		ug/kg	2.4	0.45	1
1,2,4,5-Tetramethylbenzene	1.0	J	ug/kg	2.4	0.22	1
Ethyl ether	ND		ug/kg	2.4	0.40	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.9	1.7	1
Methyl cyclohexane	3.1	J	ug/kg	4.7	0.71	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-22
Client ID: WC14_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:10
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 00:17
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	60	8.6	1
Chloroform	ND		ug/kg	89	8.3	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.4	1
Dibromochloromethane	ND		ug/kg	60	8.3	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	41.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	9.9	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.4	1
1,1-Dichloropropene	ND		ug/kg	30	9.5	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	900		ug/kg	30	9.9	1
Toluene	120		ug/kg	60	32.	1
Ethylbenzene	44	J	ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	89	8.2	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-22
 Client ID: WC14_16-18
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:10
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.2	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.6	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	14	J	ug/kg	120	12.	1
p/m-Xylene	170		ug/kg	120	33.	1
o-Xylene	71		ug/kg	60	17.	1
Xylenes, Total	240		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	54.	1
Acetone	ND		ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	ND		ug/kg	600	130	1
Vinyl acetate	ND		ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.6	1
2-Hexanone	ND		ug/kg	600	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
1,3-Dichloropropane	ND		ug/kg	120	9.9	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	7.9	1
Bromobenzene	ND		ug/kg	120	8.6	1
n-Butylbenzene	14	J	ug/kg	60	9.9	1
sec-Butylbenzene	ND		ug/kg	60	8.7	1
tert-Butylbenzene	ND		ug/kg	120	7.0	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	59.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	21	J	ug/kg	60	6.5	1
p-Isopropyltoluene	8.4	J	ug/kg	60	6.5	1
Naphthalene	95	J	ug/kg	240	39.	1
Acrylonitrile	ND		ug/kg	240	68.	1
Tert-Butyl Alcohol	ND		ug/kg	1200	310	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-22
Client ID: WC14_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:10
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	38	J	ug/kg	60	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	55	J	ug/kg	120	11.	1
1,2,4-Trimethylbenzene	120		ug/kg	120	20.	1
Methyl Acetate	ND		ug/kg	240	56.	1
Acrolein	ND		ug/kg	1500	340	1
Cyclohexane	64	J	ug/kg	600	32.	1
1,4-Dioxane	ND		ug/kg	6000	2100	1
Freon-113	ND		ug/kg	240	41.	1
p-Diethylbenzene	61	J	ug/kg	120	10.	1
p-Ethyltoluene	84	J	ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	33	J	ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	84.	1
Methyl cyclohexane	240		ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-23 D
Client ID: WC14_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 00:43
Analyst: MV
Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	13000	5900	50
1,1-Dichloroethane	ND		ug/kg	2600	370	50
Chloroform	ND		ug/kg	3900	360	50
Carbon tetrachloride	ND		ug/kg	2600	590	50
1,2-Dichloropropane	ND		ug/kg	2600	320	50
Dibromochloromethane	ND		ug/kg	2600	360	50
1,1,2-Trichloroethane	ND		ug/kg	2600	690	50
Tetrachloroethene	ND		ug/kg	1300	500	50
Chlorobenzene	ND		ug/kg	1300	330	50
Trichlorofluoromethane	ND		ug/kg	10000	1800	50
1,2-Dichloroethane	ND		ug/kg	2600	660	50
1,1,1-Trichloroethane	ND		ug/kg	1300	430	50
Bromodichloromethane	ND		ug/kg	1300	280	50
trans-1,3-Dichloropropene	ND		ug/kg	2600	700	50
cis-1,3-Dichloropropene	ND		ug/kg	1300	410	50
1,3-Dichloropropene, Total	ND		ug/kg	1300	410	50
1,1-Dichloropropene	ND		ug/kg	1300	410	50
Bromoform	ND		ug/kg	10000	630	50
1,1,2,2-Tetrachloroethane	ND		ug/kg	1300	430	50
Benzene	41000		ug/kg	1300	430	50
Toluene	190000		ug/kg	2600	1400	50
Ethylbenzene	77000		ug/kg	2600	360	50
Chloromethane	ND		ug/kg	10000	2400	50
Bromomethane	ND		ug/kg	5200	1500	50
Vinyl chloride	ND		ug/kg	2600	860	50
Chloroethane	ND		ug/kg	5200	1200	50
1,1-Dichloroethene	ND		ug/kg	2600	610	50
trans-1,2-Dichloroethene	ND		ug/kg	3900	350	50

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-23 D

Date Collected: 10/31/18 10:15

Client ID: WC14_18-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	1300	350	50
1,2-Dichlorobenzene	ND		ug/kg	5200	370	50
1,3-Dichlorobenzene	ND		ug/kg	5200	380	50
1,4-Dichlorobenzene	ND		ug/kg	5200	440	50
Methyl tert butyl ether	ND		ug/kg	5200	520	50
p/m-Xylene	400000		ug/kg	5200	1400	50
o-Xylene	150000		ug/kg	2600	750	50
Xylenes, Total	550000		ug/kg	2600	750	50
cis-1,2-Dichloroethene	ND		ug/kg	2600	450	50
Dibromomethane	ND		ug/kg	5200	610	50
Styrene	ND		ug/kg	2600	500	50
Dichlorodifluoromethane	ND		ug/kg	26000	2400	50
Acetone	ND		ug/kg	26000	12000	50
Carbon disulfide	ND		ug/kg	26000	12000	50
2-Butanone	ND		ug/kg	26000	5700	50
Vinyl acetate	ND		ug/kg	26000	5500	50
4-Methyl-2-pentanone	ND		ug/kg	26000	3300	50
1,2,3-Trichloropropane	3600	J	ug/kg	5200	330	50
2-Hexanone	ND		ug/kg	26000	3000	50
Bromochloromethane	ND		ug/kg	5200	530	50
2,2-Dichloropropane	ND		ug/kg	5200	520	50
1,2-Dibromoethane	ND		ug/kg	2600	720	50
1,3-Dichloropropane	ND		ug/kg	5200	430	50
1,1,1,2-Tetrachloroethane	ND		ug/kg	1300	340	50
Bromobenzene	ND		ug/kg	5200	370	50
n-Butylbenzene	8200		ug/kg	2600	430	50
sec-Butylbenzene	4600		ug/kg	2600	380	50
tert-Butylbenzene	630	J	ug/kg	5200	300	50
o-Chlorotoluene	ND		ug/kg	5200	490	50
p-Chlorotoluene	ND		ug/kg	5200	280	50
1,2-Dibromo-3-chloropropane	ND		ug/kg	7700	2600	50
Hexachlorobutadiene	ND		ug/kg	10000	440	50
Isopropylbenzene	14000		ug/kg	2600	280	50
p-Isopropyltoluene	6100		ug/kg	2600	280	50
Naphthalene	39000		ug/kg	10000	1700	50
Acrylonitrile	ND		ug/kg	10000	3000	50
Tert-Butyl Alcohol	ND		ug/kg	52000	13000	50

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-23 D

Date Collected: 10/31/18 10:15

Client ID: WC14_18-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	26000		ug/kg	2600	440	50
1,2,3-Trichlorobenzene	ND		ug/kg	5200	830	50
1,2,4-Trichlorobenzene	ND		ug/kg	5200	700	50
1,3,5-Trimethylbenzene	80000		ug/kg	5200	500	50
1,2,4-Trimethylbenzene	200000		ug/kg	5200	860	50
Methyl Acetate	ND		ug/kg	10000	2400	50
Acrolein	ND		ug/kg	64000	14000	50
Cyclohexane	210000		ug/kg	26000	1400	50
1,4-Dioxane	ND		ug/kg	260000	90000	50
Freon-113	ND		ug/kg	10000	1800	50
p-Diethylbenzene	76000		ug/kg	5200	460	50
p-Ethyltoluene	160000		ug/kg	5200	990	50
1,2,4,5-Tetramethylbenzene	21000		ug/kg	5200	490	50
Ethyl ether	ND		ug/kg	5200	880	50
trans-1,4-Dichloro-2-butene	ND		ug/kg	13000	3700	50
Methyl cyclohexane	490000		ug/kg	10000	1600	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-24 D
Client ID: WC14_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:30
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 15:24
Analyst: MKS
Percent Solids: 88%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	1600	720	4
1,1-Dichloroethane	ND		ug/kg	310	46.	4
Chloroform	ND		ug/kg	470	44.	4
Carbon tetrachloride	ND		ug/kg	310	72.	4
1,2-Dichloropropane	ND		ug/kg	310	39.	4
Dibromochloromethane	ND		ug/kg	310	44.	4
1,1,2-Trichloroethane	ND		ug/kg	310	84.	4
Tetrachloroethene	ND		ug/kg	160	62.	4
Chlorobenzene	ND		ug/kg	160	40.	4
Trichlorofluoromethane	ND		ug/kg	1200	220	4
1,2-Dichloroethane	ND		ug/kg	310	81.	4
1,1,1-Trichloroethane	ND		ug/kg	160	52.	4
Bromodichloromethane	ND		ug/kg	160	34.	4
trans-1,3-Dichloropropene	ND		ug/kg	310	86.	4
cis-1,3-Dichloropropene	ND		ug/kg	160	50.	4
1,3-Dichloropropene, Total	ND		ug/kg	160	50.	4
1,1-Dichloropropene	ND		ug/kg	160	50.	4
Bromoform	ND		ug/kg	1200	77.	4
1,1,2,2-Tetrachloroethane	ND		ug/kg	160	52.	4
Benzene	650		ug/kg	160	52.	4
Toluene	1600		ug/kg	310	170	4
Ethylbenzene	3800		ug/kg	310	44.	4
Chloromethane	ND		ug/kg	1200	290	4
Bromomethane	ND		ug/kg	630	180	4
Vinyl chloride	ND		ug/kg	310	100	4
Chloroethane	ND		ug/kg	630	140	4
1,1-Dichloroethene	ND		ug/kg	310	75.	4
trans-1,2-Dichloroethene	ND		ug/kg	470	43.	4

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-24 D

Date Collected: 10/31/18 11:30

Client ID: WC14_20-22

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	160	43.	4
1,2-Dichlorobenzene	ND		ug/kg	630	45.	4
1,3-Dichlorobenzene	ND		ug/kg	630	46.	4
1,4-Dichlorobenzene	ND		ug/kg	630	54.	4
Methyl tert butyl ether	ND		ug/kg	630	63.	4
p/m-Xylene	6200		ug/kg	630	180	4
o-Xylene	1900		ug/kg	310	91.	4
Xylenes, Total	8100		ug/kg	310	91.	4
cis-1,2-Dichloroethene	ND		ug/kg	310	55.	4
Dibromomethane	ND		ug/kg	630	75.	4
Styrene	ND		ug/kg	310	62.	4
Dichlorodifluoromethane	ND		ug/kg	3100	290	4
Acetone	ND		ug/kg	3100	1500	4
Carbon disulfide	ND		ug/kg	3100	1400	4
2-Butanone	ND		ug/kg	3100	700	4
Vinyl acetate	ND		ug/kg	3100	670	4
4-Methyl-2-pentanone	ND		ug/kg	3100	400	4
1,2,3-Trichloropropane	ND		ug/kg	630	40.	4
2-Hexanone	ND		ug/kg	3100	370	4
Bromochloromethane	ND		ug/kg	630	64.	4
2,2-Dichloropropane	ND		ug/kg	630	63.	4
1,2-Dibromoethane	ND		ug/kg	310	88.	4
1,3-Dichloropropane	ND		ug/kg	630	52.	4
1,1,1,2-Tetrachloroethane	ND		ug/kg	160	41.	4
Bromobenzene	ND		ug/kg	630	46.	4
n-Butylbenzene	3700		ug/kg	310	52.	4
sec-Butylbenzene	2000		ug/kg	310	46.	4
tert-Butylbenzene	310	J	ug/kg	630	37.	4
o-Chlorotoluene	ND		ug/kg	630	60.	4
p-Chlorotoluene	ND		ug/kg	630	34.	4
1,2-Dibromo-3-chloropropane	ND		ug/kg	940	310	4
Hexachlorobutadiene	ND		ug/kg	1200	53.	4
Isopropylbenzene	5600		ug/kg	310	34.	4
p-Isopropyltoluene	2300		ug/kg	310	34.	4
Naphthalene	14000		ug/kg	1200	200	4
Acrylonitrile	ND		ug/kg	1200	360	4
Tert-Butyl Alcohol	ND		ug/kg	6300	1600	4

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-24 D

Date Collected: 10/31/18 11:30

Client ID: WC14_20-22

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	10000		ug/kg	310	54.	4
1,2,3-Trichlorobenzene	ND		ug/kg	630	100	4
1,2,4-Trichlorobenzene	ND		ug/kg	630	85.	4
1,3,5-Trimethylbenzene	1600		ug/kg	630	60.	4
1,2,4-Trimethylbenzene	3000		ug/kg	630	100	4
Methyl Acetate	ND		ug/kg	1200	300	4
Acrolein	ND		ug/kg	7800	1800	4
Cyclohexane	8500		ug/kg	3100	170	4
1,4-Dioxane	ND		ug/kg	31000	11000	4
Freon-113	ND		ug/kg	1200	220	4
p-Diethylbenzene	2700		ug/kg	630	56.	4
p-Ethyltoluene	6000		ug/kg	630	120	4
1,2,4,5-Tetramethylbenzene	8700		ug/kg	630	60.	4
Ethyl ether	ND		ug/kg	630	110	4
trans-1,4-Dichloro-2-butene	ND		ug/kg	1600	440	4
Methyl cyclohexane	52000		ug/kg	1200	190	4

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	134	Q	70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-25 D2
Client ID: WC14_22-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:13
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 15:49
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by EPA 5035 High - Westborough Lab						

Methyl cyclohexane	54000		ug/kg	2600	390	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	97		70-130
Toluene-d8	105		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-25 D
Client ID: WC14_22-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:13
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 01:35
Analyst: MV
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	820	380	2.5
1,1-Dichloroethane	ND		ug/kg	160	24.	2.5
Chloroform	ND		ug/kg	250	23.	2.5
Carbon tetrachloride	ND		ug/kg	160	38.	2.5
1,2-Dichloropropane	ND		ug/kg	160	20.	2.5
Dibromochloromethane	ND		ug/kg	160	23.	2.5
1,1,2-Trichloroethane	ND		ug/kg	160	44.	2.5
Tetrachloroethene	ND		ug/kg	82	32.	2.5
Chlorobenzene	ND		ug/kg	82	21.	2.5
Trichlorofluoromethane	ND		ug/kg	660	110	2.5
1,2-Dichloroethane	ND		ug/kg	160	42.	2.5
1,1,1-Trichloroethane	ND		ug/kg	82	27.	2.5
Bromodichloromethane	ND		ug/kg	82	18.	2.5
trans-1,3-Dichloropropene	ND		ug/kg	160	45.	2.5
cis-1,3-Dichloropropene	ND		ug/kg	82	26.	2.5
1,3-Dichloropropene, Total	ND		ug/kg	82	26.	2.5
1,1-Dichloropropene	ND		ug/kg	82	26.	2.5
Bromoform	ND		ug/kg	660	40.	2.5
1,1,2,2-Tetrachloroethane	ND		ug/kg	82	27.	2.5
Benzene	1000		ug/kg	82	27.	2.5
Toluene	1100		ug/kg	160	89.	2.5
Ethylbenzene	1600		ug/kg	160	23.	2.5
Chloromethane	ND		ug/kg	660	150	2.5
Bromomethane	ND		ug/kg	330	95.	2.5
Vinyl chloride	ND		ug/kg	160	55.	2.5
Chloroethane	ND		ug/kg	330	74.	2.5
1,1-Dichloroethene	ND		ug/kg	160	39.	2.5
trans-1,2-Dichloroethene	ND		ug/kg	250	22.	2.5

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-25 D

Date Collected: 10/31/18 10:13

Client ID: WC14_22-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	82	22.	2.5
1,2-Dichlorobenzene	ND		ug/kg	330	24.	2.5
1,3-Dichlorobenzene	ND		ug/kg	330	24.	2.5
1,4-Dichlorobenzene	ND		ug/kg	330	28.	2.5
Methyl tert butyl ether	ND		ug/kg	330	33.	2.5
p/m-Xylene	4900		ug/kg	330	92.	2.5
o-Xylene	1000		ug/kg	160	48.	2.5
Xylenes, Total	5900		ug/kg	160	48.	2.5
cis-1,2-Dichloroethene	ND		ug/kg	160	29.	2.5
Dibromomethane	ND		ug/kg	330	39.	2.5
Styrene	ND		ug/kg	160	32.	2.5
Dichlorodifluoromethane	ND		ug/kg	1600	150	2.5
Acetone	ND		ug/kg	1600	790	2.5
Carbon disulfide	ND		ug/kg	1600	750	2.5
2-Butanone	ND		ug/kg	1600	360	2.5
Vinyl acetate	ND		ug/kg	1600	350	2.5
4-Methyl-2-pentanone	ND		ug/kg	1600	210	2.5
1,2,3-Trichloropropane	ND		ug/kg	330	21.	2.5
2-Hexanone	ND		ug/kg	1600	190	2.5
Bromochloromethane	ND		ug/kg	330	34.	2.5
2,2-Dichloropropane	ND		ug/kg	330	33.	2.5
1,2-Dibromoethane	ND		ug/kg	160	46.	2.5
1,3-Dichloropropane	ND		ug/kg	330	27.	2.5
1,1,1,2-Tetrachloroethane	ND		ug/kg	82	22.	2.5
Bromobenzene	ND		ug/kg	330	24.	2.5
n-Butylbenzene	1100		ug/kg	160	27.	2.5
sec-Butylbenzene	650		ug/kg	160	24.	2.5
tert-Butylbenzene	100	J	ug/kg	330	19.	2.5
o-Chlorotoluene	ND		ug/kg	330	31.	2.5
p-Chlorotoluene	ND		ug/kg	330	18.	2.5
1,2-Dibromo-3-chloropropane	ND		ug/kg	490	160	2.5
Hexachlorobutadiene	ND		ug/kg	660	28.	2.5
Isopropylbenzene	2100		ug/kg	160	18.	2.5
p-Isopropyltoluene	730		ug/kg	160	18.	2.5
Naphthalene	6400		ug/kg	660	110	2.5
Acrylonitrile	ND		ug/kg	660	190	2.5
Tert-Butyl Alcohol	ND		ug/kg	3300	840	2.5

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-25 D

Date Collected: 10/31/18 10:13

Client ID: WC14_22-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	3400		ug/kg	160	28.	2.5
1,2,3-Trichlorobenzene	ND		ug/kg	330	53.	2.5
1,2,4-Trichlorobenzene	ND		ug/kg	330	45.	2.5
1,3,5-Trimethylbenzene	770		ug/kg	330	32.	2.5
1,2,4-Trimethylbenzene	2100		ug/kg	330	55.	2.5
Methyl Acetate	ND		ug/kg	660	160	2.5
Acrolein	ND		ug/kg	4100	920	2.5
Cyclohexane	17000		ug/kg	1600	89.	2.5
1,4-Dioxane	ND		ug/kg	16000	5800	2.5
Freon-113	ND		ug/kg	660	110	2.5
p-Diethylbenzene	830		ug/kg	330	29.	2.5
p-Ethyltoluene	2200		ug/kg	330	63.	2.5
1,2,4,5-Tetramethylbenzene	2600		ug/kg	330	31.	2.5
Ethyl ether	ND		ug/kg	330	56.	2.5
trans-1,4-Dichloro-2-butene	ND		ug/kg	820	230	2.5
Methyl cyclohexane	52000	E	ug/kg	660	99.	2.5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	113		70-130
4-Bromofluorobenzene	123		70-130
Dibromofluoromethane	93		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-26 D
Client ID: WC15_12-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 14:20
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 16:16
Analyst: MKS
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	2700	1200	10
1,1-Dichloroethane	ND		ug/kg	540	79.	10
Chloroform	ND		ug/kg	810	76.	10
Carbon tetrachloride	ND		ug/kg	540	120	10
1,2-Dichloropropane	ND		ug/kg	540	68.	10
Dibromochloromethane	ND		ug/kg	540	76.	10
1,1,2-Trichloroethane	ND		ug/kg	540	140	10
Tetrachloroethene	ND		ug/kg	270	110	10
Chlorobenzene	ND		ug/kg	270	69.	10
Trichlorofluoromethane	ND		ug/kg	2200	380	10
1,2-Dichloroethane	ND		ug/kg	540	140	10
1,1,1-Trichloroethane	ND		ug/kg	270	91.	10
Bromodichloromethane	ND		ug/kg	270	59.	10
trans-1,3-Dichloropropene	ND		ug/kg	540	150	10
cis-1,3-Dichloropropene	ND		ug/kg	270	86.	10
1,3-Dichloropropene, Total	ND		ug/kg	270	86.	10
1,1-Dichloropropene	ND		ug/kg	270	86.	10
Bromoform	ND		ug/kg	2200	130	10
1,1,2,2-Tetrachloroethane	ND		ug/kg	270	90.	10
Benzene	ND		ug/kg	270	90.	10
Toluene	ND		ug/kg	540	290	10
Ethylbenzene	ND		ug/kg	540	76.	10
Chloromethane	ND		ug/kg	2200	500	10
Bromomethane	ND		ug/kg	1100	320	10
Vinyl chloride	ND		ug/kg	540	180	10
Chloroethane	ND		ug/kg	1100	240	10
1,1-Dichloroethene	ND		ug/kg	540	130	10
trans-1,2-Dichloroethene	ND		ug/kg	810	74.	10

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-26 D

Date Collected: 10/31/18 14:20

Client ID: WC15_12-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	270	74.	10
1,2-Dichlorobenzene	ND		ug/kg	1100	78.	10
1,3-Dichlorobenzene	ND		ug/kg	1100	80.	10
1,4-Dichlorobenzene	ND		ug/kg	1100	93.	10
Methyl tert butyl ether	ND		ug/kg	1100	110	10
p/m-Xylene	ND		ug/kg	1100	300	10
o-Xylene	ND		ug/kg	540	160	10
Xylenes, Total	ND		ug/kg	540	160	10
cis-1,2-Dichloroethene	ND		ug/kg	540	95.	10
Dibromomethane	ND		ug/kg	1100	130	10
Styrene	ND		ug/kg	540	110	10
Dichlorodifluoromethane	ND		ug/kg	5400	500	10
Acetone	ND		ug/kg	5400	2600	10
Carbon disulfide	ND		ug/kg	5400	2500	10
2-Butanone	ND		ug/kg	5400	1200	10
Vinyl acetate	ND		ug/kg	5400	1200	10
4-Methyl-2-pentanone	ND		ug/kg	5400	690	10
1,2,3-Trichloropropane	ND		ug/kg	1100	69.	10
2-Hexanone	ND		ug/kg	5400	640	10
Bromochloromethane	ND		ug/kg	1100	110	10
2,2-Dichloropropane	ND		ug/kg	1100	110	10
1,2-Dibromoethane	ND		ug/kg	540	150	10
1,3-Dichloropropane	ND		ug/kg	1100	91.	10
1,1,1,2-Tetrachloroethane	ND		ug/kg	270	72.	10
Bromobenzene	ND		ug/kg	1100	79.	10
n-Butylbenzene	2700		ug/kg	540	91.	10
sec-Butylbenzene	1800		ug/kg	540	79.	10
tert-Butylbenzene	310	J	ug/kg	1100	64.	10
o-Chlorotoluene	ND		ug/kg	1100	100	10
p-Chlorotoluene	ND		ug/kg	1100	59.	10
1,2-Dibromo-3-chloropropane	ND		ug/kg	1600	540	10
Hexachlorobutadiene	ND		ug/kg	2200	92.	10
Isopropylbenzene	3700		ug/kg	540	59.	10
p-Isopropyltoluene	1200		ug/kg	540	59.	10
Naphthalene	350	J	ug/kg	2200	350	10
Acrylonitrile	ND		ug/kg	2200	620	10
Tert-Butyl Alcohol	ND		ug/kg	11000	2800	10

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-26 D

Date Collected: 10/31/18 14:20

Client ID: WC15_12-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	6900		ug/kg	540	93.	10
1,2,3-Trichlorobenzene	ND		ug/kg	1100	170	10
1,2,4-Trichlorobenzene	ND		ug/kg	1100	150	10
1,3,5-Trimethylbenzene	ND		ug/kg	1100	100	10
1,2,4-Trimethylbenzene	ND		ug/kg	1100	180	10
Methyl Acetate	ND		ug/kg	2200	520	10
Acrolein	ND		ug/kg	14000	3000	10
Cyclohexane	26000		ug/kg	5400	300	10
1,4-Dioxane	ND		ug/kg	54000	19000	10
Freon-113	ND		ug/kg	2200	380	10
p-Diethylbenzene	2200		ug/kg	1100	96.	10
p-Ethyltoluene	440	J	ug/kg	1100	210	10
1,2,4,5-Tetramethylbenzene	7800		ug/kg	1100	100	10
Ethyl ether	ND		ug/kg	1100	180	10
trans-1,4-Dichloro-2-butene	ND		ug/kg	2700	770	10
Methyl cyclohexane	120000		ug/kg	2200	330	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	120		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/08/18 07:55
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	300	140	1
1,1-Dichloroethane	ND		ug/kg	60	8.7	1
Chloroform	ND		ug/kg	90	8.4	1
Carbon tetrachloride	ND		ug/kg	60	14.	1
1,2-Dichloropropane	ND		ug/kg	60	7.5	1
Dibromochloromethane	ND		ug/kg	60	8.4	1
1,1,2-Trichloroethane	ND		ug/kg	60	16.	1
Tetrachloroethene	ND		ug/kg	30	12.	1
Chlorobenzene	ND		ug/kg	30	7.6	1
Trichlorofluoromethane	ND		ug/kg	240	42.	1
1,2-Dichloroethane	ND		ug/kg	60	15.	1
1,1,1-Trichloroethane	ND		ug/kg	30	10.	1
Bromodichloromethane	ND		ug/kg	30	6.5	1
trans-1,3-Dichloropropene	ND		ug/kg	60	16.	1
cis-1,3-Dichloropropene	ND		ug/kg	30	9.4	1
1,3-Dichloropropene, Total	ND		ug/kg	30	9.4	1
1,1-Dichloropropene	ND		ug/kg	30	9.5	1
Bromoform	ND		ug/kg	240	15.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	30	9.9	1
Benzene	350		ug/kg	30	9.9	1
Toluene	330		ug/kg	60	32.	1
Ethylbenzene	7800		ug/kg	60	8.4	1
Chloromethane	ND		ug/kg	240	56.	1
Bromomethane	ND		ug/kg	120	35.	1
Vinyl chloride	ND		ug/kg	60	20.	1
Chloroethane	ND		ug/kg	120	27.	1
1,1-Dichloroethene	ND		ug/kg	60	14.	1
trans-1,2-Dichloroethene	ND		ug/kg	90	8.2	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27
 Client ID: WC14_14-16
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	30	8.2	1
1,2-Dichlorobenzene	ND		ug/kg	120	8.6	1
1,3-Dichlorobenzene	ND		ug/kg	120	8.8	1
1,4-Dichlorobenzene	ND		ug/kg	120	10.	1
Methyl tert butyl ether	ND		ug/kg	120	12.	1
p/m-Xylene	3200		ug/kg	120	33.	1
o-Xylene	430		ug/kg	60	17.	1
Xylenes, Total	3600		ug/kg	60	17.	1
cis-1,2-Dichloroethene	ND		ug/kg	60	10.	1
Dibromomethane	ND		ug/kg	120	14.	1
Styrene	ND		ug/kg	60	12.	1
Dichlorodifluoromethane	ND		ug/kg	600	55.	1
Acetone	ND		ug/kg	600	290	1
Carbon disulfide	ND		ug/kg	600	270	1
2-Butanone	ND		ug/kg	600	130	1
Vinyl acetate	ND		ug/kg	600	130	1
4-Methyl-2-pentanone	ND		ug/kg	600	76.	1
1,2,3-Trichloropropane	ND		ug/kg	120	7.6	1
2-Hexanone	ND		ug/kg	600	70.	1
Bromochloromethane	ND		ug/kg	120	12.	1
2,2-Dichloropropane	ND		ug/kg	120	12.	1
1,2-Dibromoethane	ND		ug/kg	60	17.	1
1,3-Dichloropropane	ND		ug/kg	120	10.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	30	7.9	1
Bromobenzene	ND		ug/kg	120	8.7	1
n-Butylbenzene	14000		ug/kg	60	10.	1
sec-Butylbenzene	7500		ug/kg	60	8.7	1
tert-Butylbenzene	1200		ug/kg	120	7.0	1
o-Chlorotoluene	ND		ug/kg	120	11.	1
p-Chlorotoluene	ND		ug/kg	120	6.4	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	180	60.	1
Hexachlorobutadiene	ND		ug/kg	240	10.	1
Isopropylbenzene	21000	E	ug/kg	60	6.5	1
p-Isopropyltoluene	8400		ug/kg	60	6.5	1
Naphthalene	47000	E	ug/kg	240	39.	1
Acrylonitrile	ND		ug/kg	240	69.	1
Tert-Butyl Alcohol	ND		ug/kg	1200	310	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	36000	E	ug/kg	60	10.	1
1,2,3-Trichlorobenzene	ND		ug/kg	120	19.	1
1,2,4-Trichlorobenzene	ND		ug/kg	120	16.	1
1,3,5-Trimethylbenzene	1800		ug/kg	120	12.	1
1,2,4-Trimethylbenzene	270		ug/kg	120	20.	1
Methyl Acetate	ND		ug/kg	240	57.	1
Acrolein	ND		ug/kg	1500	340	1
Cyclohexane	15000		ug/kg	600	32.	1
1,4-Dioxane	ND		ug/kg	6000	2100	1
Freon-113	ND		ug/kg	240	41.	1
p-Diethylbenzene	10000		ug/kg	120	10.	1
p-Ethyltoluene	12000		ug/kg	120	23.	1
1,2,4,5-Tetramethylbenzene	31000	E	ug/kg	120	11.	1
Ethyl ether	ND		ug/kg	120	20.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	300	85.	1
Methyl cyclohexane	98000	E	ug/kg	240	36.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	139	Q	70-130
4-Bromofluorobenzene	482	Q	70-130
Dibromofluoromethane	60	Q	70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27 D
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/04/18 12:26
Analyst: MM
Percent Solids: 80%
TCLP/SPLP Ext. Date: 11/01/18 16:25

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	ND		ug/l	30	8.9	40
Carbon tetrachloride	ND		ug/l	20	5.4	40
Tetrachloroethene	ND		ug/l	20	7.2	40
Chlorobenzene	ND		ug/l	20	7.1	40
1,2-Dichloroethane	ND		ug/l	20	5.3	40
Benzene	24		ug/l	20	6.4	40
Vinyl chloride	ND		ug/l	40	2.8	40
1,1-Dichloroethene	ND		ug/l	20	6.8	40
Trichloroethene	ND		ug/l	20	7.0	40
1,4-Dichlorobenzene	ND		ug/l	100	7.5	40
2-Butanone	ND		ug/l	200	78.	40

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	101		70-130
dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27 D
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/08/18 09:39
Analyst: MV
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Isopropylbenzene	20000		ug/kg	600	65.	10
Naphthalene	49000		ug/kg	2400	390	10
n-Propylbenzene	34000		ug/kg	600	100	10
1,2,4,5-Tetramethylbenzene	30000		ug/kg	1200	110	10
Methyl cyclohexane	130000		ug/kg	2400	360	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	119		70-130
4-Bromofluorobenzene	155	Q	70-130
Dibromofluoromethane	92		70-130

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-29
 Client ID: DUP03_GRAB_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/07/18 02:53

Analyst: MV

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	280	130	1
1,1-Dichloroethane	ND		ug/kg	56	8.2	1
Chloroform	ND		ug/kg	84	7.9	1
Carbon tetrachloride	ND		ug/kg	56	13.	1
1,2-Dichloropropane	ND		ug/kg	56	7.0	1
Dibromochloromethane	ND		ug/kg	56	7.9	1
1,1,2-Trichloroethane	ND		ug/kg	56	15.	1
Tetrachloroethene	ND		ug/kg	28	11.	1
Chlorobenzene	ND		ug/kg	28	7.1	1
Trichlorofluoromethane	ND		ug/kg	220	39.	1
1,2-Dichloroethane	ND		ug/kg	56	14.	1
1,1,1-Trichloroethane	ND		ug/kg	28	9.4	1
Bromodichloromethane	ND		ug/kg	28	6.1	1
trans-1,3-Dichloropropene	ND		ug/kg	56	15.	1
cis-1,3-Dichloropropene	ND		ug/kg	28	8.9	1
1,3-Dichloropropene, Total	ND		ug/kg	28	8.9	1
1,1-Dichloropropene	ND		ug/kg	28	8.9	1
Bromoform	ND		ug/kg	220	14.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	28	9.3	1
Benzene	2000		ug/kg	28	9.3	1
Toluene	4000		ug/kg	56	30.	1
Ethylbenzene	650		ug/kg	56	7.9	1
Chloromethane	ND		ug/kg	220	52.	1
Bromomethane	ND		ug/kg	110	33.	1
Vinyl chloride	ND		ug/kg	56	19.	1
Chloroethane	ND		ug/kg	110	25.	1
1,1-Dichloroethene	ND		ug/kg	56	13.	1
trans-1,2-Dichloroethene	ND		ug/kg	84	7.7	1

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-29
 Client ID: DUP03_GRAB_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	28	7.7	1
1,2-Dichlorobenzene	ND		ug/kg	110	8.1	1
1,3-Dichlorobenzene	ND		ug/kg	110	8.3	1
1,4-Dichlorobenzene	ND		ug/kg	110	9.6	1
Methyl tert butyl ether	ND		ug/kg	110	11.	1
p/m-Xylene	3000		ug/kg	110	32.	1
o-Xylene	1600		ug/kg	56	16.	1
Xylenes, Total	4600		ug/kg	56	16.	1
cis-1,2-Dichloroethene	ND		ug/kg	56	9.8	1
Dibromomethane	ND		ug/kg	110	13.	1
Styrene	ND		ug/kg	56	11.	1
Dichlorodifluoromethane	ND		ug/kg	560	51.	1
Acetone	ND		ug/kg	560	270	1
Carbon disulfide	ND		ug/kg	560	260	1
2-Butanone	ND		ug/kg	560	120	1
Vinyl acetate	ND		ug/kg	560	120	1
4-Methyl-2-pentanone	ND		ug/kg	560	72.	1
1,2,3-Trichloropropane	ND		ug/kg	110	7.1	1
2-Hexanone	ND		ug/kg	560	66.	1
Bromochloromethane	ND		ug/kg	110	12.	1
2,2-Dichloropropane	ND		ug/kg	110	11.	1
1,2-Dibromoethane	ND		ug/kg	56	16.	1
1,3-Dichloropropane	ND		ug/kg	110	9.4	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	28	7.4	1
Bromobenzene	ND		ug/kg	110	8.2	1
n-Butylbenzene	55	J	ug/kg	56	9.4	1
sec-Butylbenzene	27	J	ug/kg	56	8.2	1
tert-Butylbenzene	ND		ug/kg	110	6.6	1
o-Chlorotoluene	ND		ug/kg	110	11.	1
p-Chlorotoluene	ND		ug/kg	110	6.1	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	170	56.	1
Hexachlorobutadiene	ND		ug/kg	220	9.5	1
Isopropylbenzene	73		ug/kg	56	6.1	1
p-Isopropyltoluene	33	J	ug/kg	56	6.1	1
Naphthalene	480		ug/kg	220	36.	1
Acrylonitrile	ND		ug/kg	220	65.	1
Tert-Butyl Alcohol	ND		ug/kg	1100	290	1

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-29
 Client ID: DUP03_GRAB_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	200		ug/kg	56	9.6	1
1,2,3-Trichlorobenzene	ND		ug/kg	110	18.	1
1,2,4-Trichlorobenzene	ND		ug/kg	110	15.	1
1,3,5-Trimethylbenzene	540		ug/kg	110	11.	1
1,2,4-Trimethylbenzene	1600		ug/kg	110	19.	1
Methyl Acetate	ND		ug/kg	220	53.	1
Acrolein	ND		ug/kg	1400	320	1
Cyclohexane	430	J	ug/kg	560	31.	1
1,4-Dioxane	ND		ug/kg	5600	2000	1
Freon-113	ND		ug/kg	220	39.	1
p-Diethylbenzene	550		ug/kg	110	10.	1
p-Ethyltoluene	1200		ug/kg	110	22.	1
1,2,4,5-Tetramethylbenzene	160		ug/kg	110	11.	1
Ethyl ether	ND		ug/kg	110	19.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	280	80.	1
Methyl cyclohexane	1300		ug/kg	220	34.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/04/18 07:21
Analyst: MM
TCLP/SPLP Extraction Date: 11/01/18 16:25

Extraction Date: 11/01/18 16:25

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 27 Batch: WG1175902-5					
Chloroform	4.6	J	ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	108		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	102		70-130
dibromofluoromethane	103		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 08:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07,13,21 Batch: WG1176613-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.25	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/06/18 08:43
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07,13,21 Batch: WG1176613-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 08:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07,13,21 Batch: WG1176613-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 08:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02,07,13,21 Batch: WG1176613-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24-26 Batch: WG1176883-12					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	47	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 11/07/18 08:01
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24-26 Batch: WG1176883-12					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	10	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24-26 Batch: WG1176883-12					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24-26 Batch: WG1176883-12					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/06/18 19:30
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 19:30

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	10	J	ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 19:30

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/06/18 19:30

Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 14 Batch: WG1177074-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	0.93	J	ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/07/18 08:01
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 14 Batch: WG1177074-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	0.21	J	ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 14 Batch: WG1177074-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:01

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 14 Batch: WG1177074-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	98		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 27 Batch: WG1177336-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	83	J	ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 27 Batch: WG1177336-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 27 Batch: WG1177336-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:29

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 27 Batch: WG1177336-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 27 Batch: WG1175902-3 WG1175902-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	99		98		75-130	1		25
1,2-Dichloroethane	100		97		70-130	3		20
Benzene	96		98		70-130	2		25
Vinyl chloride	100		110		55-140	10		20
1,1-Dichloroethene	99		100		61-145	1		25
Trichloroethene	94		97		70-130	3		25
1,4-Dichlorobenzene	96		98		70-130	2		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	99		100		70-130
dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07,13,21 Batch: WG1176613-3 WG1176613-4								
Methylene chloride	114		115		70-130	1		30
1,1-Dichloroethane	110		110		70-130	0		30
Chloroform	110		111		70-130	1		30
Carbon tetrachloride	96		97		70-130	1		30
1,2-Dichloropropane	112		114		70-130	2		30
Dibromochloromethane	92		94		70-130	2		30
1,1,2-Trichloroethane	114		116		70-130	2		30
Tetrachloroethene	88		89		70-130	1		30
Chlorobenzene	96		98		70-130	2		30
Trichlorofluoromethane	151	Q	152	Q	70-139	1		30
1,2-Dichloroethane	106		106		70-130	0		30
1,1,1-Trichloroethane	98		99		70-130	1		30
Bromodichloromethane	103		104		70-130	1		30
trans-1,3-Dichloropropene	103		105		70-130	2		30
cis-1,3-Dichloropropene	104		105		70-130	1		30
1,1-Dichloropropene	103		104		70-130	1		30
Bromoform	88		90		70-130	2		30
1,1,2,2-Tetrachloroethane	116		115		70-130	1		30
Benzene	121		121		70-130	0		30
Toluene	105		105		70-130	0		30
Ethylbenzene	106		107		70-130	1		30
Chloromethane	95		98		52-130	3		30
Bromomethane	157	Q	162	Q	57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07,13,21 Batch: WG1176613-3 WG1176613-4								
Vinyl chloride	136	Q	136	Q	67-130	0		30
Chloroethane	151		152	Q	50-151	1		30
1,1-Dichloroethene	107		106		65-135	1		30
trans-1,2-Dichloroethene	108		109		70-130	1		30
Trichloroethene	103		104		70-130	1		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	98		99		70-130	1		30
1,4-Dichlorobenzene	100		100		70-130	0		30
Methyl tert butyl ether	101		101		66-130	0		30
p/m-Xylene	102		103		70-130	1		30
o-Xylene	95		97		70-130	2		30
cis-1,2-Dichloroethene	109		110		70-130	1		30
Dibromomethane	109		109		70-130	0		30
Styrene	97		97		70-130	0		30
Dichlorodifluoromethane	105		107		30-146	2		30
Acetone	132		143	Q	54-140	8		30
Carbon disulfide	100		100		59-130	0		30
2-Butanone	77		94		70-130	20		30
Vinyl acetate	73		73		70-130	0		30
4-Methyl-2-pentanone	100		99		70-130	1		30
1,2,3-Trichloropropane	113		112		68-130	1		30
2-Hexanone	86		85		70-130	1		30
Bromochloromethane	103		105		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07,13,21 Batch: WG1176613-3 WG1176613-4								
2,2-Dichloropropane	98		100		70-130	2		30
1,2-Dibromoethane	106		108		70-130	2		30
1,3-Dichloropropane	112		113		69-130	1		30
1,1,1,2-Tetrachloroethane	90		92		70-130	2		30
Bromobenzene	96		96		70-130	0		30
n-Butylbenzene	110		110		70-130	0		30
sec-Butylbenzene	104		105		70-130	1		30
tert-Butylbenzene	98		99		70-130	1		30
o-Chlorotoluene	94		109		70-130	15		30
p-Chlorotoluene	105		104		70-130	1		30
1,2-Dibromo-3-chloropropane	92		95		68-130	3		30
Hexachlorobutadiene	90		91		67-130	1		30
Isopropylbenzene	101		103		70-130	2		30
p-Isopropyltoluene	99		100		70-130	1		30
Naphthalene	101		100		70-130	1		30
Acrylonitrile	122		120		70-130	2		30
Tert-Butyl Alcohol	97		98		70-130	1		30
n-Propylbenzene	107		108		70-130	1		30
1,2,3-Trichlorobenzene	98		98		70-130	0		30
1,2,4-Trichlorobenzene	98		96		70-130	2		30
1,3,5-Trimethylbenzene	102		102		70-130	0		30
1,2,4-Trimethylbenzene	102		102		70-130	0		30
Methyl Acetate	106		107		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02,07,13,21 Batch: WG1176613-3 WG1176613-4								
Acrolein	78		82		70-130	5		30
Cyclohexane	96		97		59-142	1		30
1,4-Dioxane	111		117		65-136	5		30
Freon-113	104		104		50-139	0		30
p-Diethylbenzene	95		95		70-130	0		30
p-Ethyltoluene	98		100		70-130	2		30
1,2,4,5-Tetramethylbenzene	93		94		70-130	1		30
Ethyl ether	149	Q	147	Q	67-130	1		30
trans-1,4-Dichloro-2-butene	92		97		70-130	5		30
Methyl cyclohexane	103		106		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	97		95		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	104		102		70-130
Dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24-26 Batch: WG1176883-10 WG1176883-11								
Methylene chloride	101		101		70-130	0		30
1,1-Dichloroethane	103		104		70-130	1		30
Chloroform	111		110		70-130	1		30
Carbon tetrachloride	105		105		70-130	0		30
1,2-Dichloropropane	104		104		70-130	0		30
Dibromochloromethane	107		107		70-130	0		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	114		114		70-130	0		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	112		111		70-139	1		30
1,2-Dichloroethane	102		103		70-130	1		30
1,1,1-Trichloroethane	112		113		70-130	1		30
Bromodichloromethane	116		116		70-130	0		30
trans-1,3-Dichloropropene	112		113		70-130	1		30
cis-1,3-Dichloropropene	117		116		70-130	1		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	112		113		70-130	1		30
1,1,2,2-Tetrachloroethane	102		102		70-130	0		30
Benzene	109		108		70-130	1		30
Toluene	107		107		70-130	0		30
Ethylbenzene	109		110		70-130	1		30
Chloromethane	85		84		52-130	1		30
Bromomethane	131		124		57-147	5		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24-26 Batch: WG1176883-10 WG1176883-11								
Vinyl chloride	112		111		67-130	1		30
Chloroethane	135		132		50-151	2		30
1,1-Dichloroethene	107		109		65-135	2		30
trans-1,2-Dichloroethene	109		108		70-130	1		30
Trichloroethene	112		112		70-130	0		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	104		105		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	112		112		66-130	0		30
p/m-Xylene	111		112		70-130	1		30
o-Xylene	114		114		70-130	0		30
cis-1,2-Dichloroethene	111		110		70-130	1		30
Dibromomethane	111		110		70-130	1		30
Styrene	104		105		70-130	1		30
Dichlorodifluoromethane	95		94		30-146	1		30
Acetone	85		85		54-140	0		30
Carbon disulfide	99		98		59-130	1		30
2-Butanone	96		84		70-130	13		30
Vinyl acetate	91		86		70-130	6		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	79		77		70-130	3		30
Bromochloromethane	111		109		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24-26 Batch: WG1176883-10 WG1176883-11								
2,2-Dichloropropane	111		110		70-130	1		30
1,2-Dibromoethane	112		110		70-130	2		30
1,3-Dichloropropane	109		110		69-130	1		30
1,1,1,2-Tetrachloroethane	110		111		70-130	1		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	106		108		70-130	2		30
sec-Butylbenzene	104		107		70-130	3		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	102		104		70-130	2		30
p-Chlorotoluene	102		105		70-130	3		30
1,2-Dibromo-3-chloropropane	97		94		68-130	3		30
Hexachlorobutadiene	124		126		67-130	2		30
Isopropylbenzene	104		105		70-130	1		30
p-Isopropyltoluene	105		107		70-130	2		30
Naphthalene	106		104		70-130	2		30
Acrylonitrile	98		94		70-130	4		30
Tert-Butyl Alcohol	99		96		70-130	3		30
n-Propylbenzene	103		106		70-130	3		30
1,2,3-Trichlorobenzene	115		113		70-130	2		30
1,2,4-Trichlorobenzene	116		115		70-130	1		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	106		108		70-130	2		30
Methyl Acetate	87		86		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24-26 Batch: WG1176883-10 WG1176883-11								
Acrolein	90		82		70-130	9		30
Cyclohexane	99		98		59-142	1		30
1,4-Dioxane	116		110		65-136	5		30
Freon-113	110		110		50-139	0		30
p-Diethylbenzene	105		106		70-130	1		30
p-Ethyltoluene	105		106		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		106		70-130	2		30
Ethyl ether	111		107		67-130	4		30
trans-1,4-Dichloro-2-butene	78		74		70-130	5		30
Methyl cyclohexane	106		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	101		100		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	103		102		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-3 WG1176883-4								
Methylene chloride	103		102		70-130	1		30
1,1-Dichloroethane	107		107		70-130	0		30
Chloroform	114		115		70-130	1		30
Carbon tetrachloride	107		106		70-130	1		30
1,2-Dichloropropane	107		106		70-130	1		30
Dibromochloromethane	112		108		70-130	4		30
1,1,2-Trichloroethane	112		110		70-130	2		30
Tetrachloroethene	117		117		70-130	0		30
Chlorobenzene	111		108		70-130	3		30
Trichlorofluoromethane	114		113		70-139	1		30
1,2-Dichloroethane	106		105		70-130	1		30
1,1,1-Trichloroethane	117		116		70-130	1		30
Bromodichloromethane	120		119		70-130	1		30
trans-1,3-Dichloropropene	116		114		70-130	2		30
cis-1,3-Dichloropropene	121		119		70-130	2		30
1,1-Dichloropropene	117		117		70-130	0		30
Bromoform	114		114		70-130	0		30
1,1,2,2-Tetrachloroethane	105		104		70-130	1		30
Benzene	113		112		70-130	1		30
Toluene	112		111		70-130	1		30
Ethylbenzene	114		113		70-130	1		30
Chloromethane	88		86		52-130	2		30
Bromomethane	132		128		57-147	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-3 WG1176883-4								
Vinyl chloride	110		111		67-130	1		30
Chloroethane	138		133		50-151	4		30
1,1-Dichloroethene	111		110		65-135	1		30
trans-1,2-Dichloroethene	113		112		70-130	1		30
Trichloroethene	116		114		70-130	2		30
1,2-Dichlorobenzene	108		109		70-130	1		30
1,3-Dichlorobenzene	108		108		70-130	0		30
1,4-Dichlorobenzene	105		107		70-130	2		30
Methyl tert butyl ether	116		112		66-130	4		30
p/m-Xylene	115		115		70-130	0		30
o-Xylene	119		116		70-130	3		30
cis-1,2-Dichloroethene	114		114		70-130	0		30
Dibromomethane	113		111		70-130	2		30
Styrene	109		106		70-130	3		30
Dichlorodifluoromethane	94		94		30-146	0		30
Acetone	93		86		54-140	8		30
Carbon disulfide	101		100		59-130	1		30
2-Butanone	92		92		70-130	0		30
Vinyl acetate	94		90		70-130	4		30
4-Methyl-2-pentanone	93		90		70-130	3		30
1,2,3-Trichloropropane	106		103		68-130	3		30
2-Hexanone	84		79		70-130	6		30
Bromochloromethane	113		111		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-3 WG1176883-4								
2,2-Dichloropropane	116		113		70-130	3		30
1,2-Dibromoethane	113		109		70-130	4		30
1,3-Dichloropropane	112		109		69-130	3		30
1,1,1,2-Tetrachloroethane	114		112		70-130	2		30
Bromobenzene	108		110		70-130	2		30
n-Butylbenzene	108		109		70-130	1		30
sec-Butylbenzene	107		110		70-130	3		30
tert-Butylbenzene	108		111		70-130	3		30
o-Chlorotoluene	107		109		70-130	2		30
p-Chlorotoluene	106		109		70-130	3		30
1,2-Dibromo-3-chloropropane	102		98		68-130	4		30
Hexachlorobutadiene	127		129		67-130	2		30
Isopropylbenzene	107		111		70-130	4		30
p-Isopropyltoluene	110		112		70-130	2		30
Naphthalene	109		106		70-130	3		30
Acrylonitrile	99		93		70-130	6		30
Tert-Butyl Alcohol	104		98		70-130	6		30
n-Propylbenzene	107		110		70-130	3		30
1,2,3-Trichlorobenzene	116		114		70-130	2		30
1,2,4-Trichlorobenzene	120		119		70-130	1		30
1,3,5-Trimethylbenzene	109		112		70-130	3		30
1,2,4-Trimethylbenzene	112		113		70-130	1		30
Methyl Acetate	89		84		51-146	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,19-20,22-23,25,29 Batch: WG1176883-3 WG1176883-4								
Acrolein	91		84		70-130	8		30
Cyclohexane	100		100		59-142	0		30
1,4-Dioxane	110		103		65-136	7		30
Freon-113	110		110		50-139	0		30
p-Diethylbenzene	110		110		70-130	0		30
p-Ethyltoluene	110		112		70-130	2		30
1,2,4,5-Tetramethylbenzene	108		109		70-130	1		30
Ethyl ether	112		110		67-130	2		30
trans-1,4-Dichloro-2-butene	79		78		70-130	1		30
Methyl cyclohexane	108		107		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		100		70-130
Toluene-d8	101		102		70-130
4-Bromofluorobenzene	98		100		70-130
Dibromofluoromethane	103		101		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 14 Batch: WG1177074-3 WG1177074-4								
Methylene chloride	101		101		70-130	0		30
1,1-Dichloroethane	103		104		70-130	1		30
Chloroform	111		110		70-130	1		30
Carbon tetrachloride	105		105		70-130	0		30
1,2-Dichloropropane	104		104		70-130	0		30
Dibromochloromethane	107		107		70-130	0		30
1,1,2-Trichloroethane	109		109		70-130	0		30
Tetrachloroethene	114		114		70-130	0		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	112		111		70-139	1		30
1,2-Dichloroethane	102		103		70-130	1		30
1,1,1-Trichloroethane	112		113		70-130	1		30
Bromodichloromethane	116		116		70-130	0		30
trans-1,3-Dichloropropene	112		113		70-130	1		30
cis-1,3-Dichloropropene	117		116		70-130	1		30
1,1-Dichloropropene	114		114		70-130	0		30
Bromoform	112		113		70-130	1		30
1,1,2,2-Tetrachloroethane	102		102		70-130	0		30
Benzene	109		108		70-130	1		30
Toluene	107		107		70-130	0		30
Ethylbenzene	109		110		70-130	1		30
Chloromethane	85		84		52-130	1		30
Bromomethane	131		124		57-147	5		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 14 Batch: WG1177074-3 WG1177074-4								
Vinyl chloride	112		111		67-130	1		30
Chloroethane	135		132		50-151	2		30
1,1-Dichloroethene	107		109		65-135	2		30
trans-1,2-Dichloroethene	109		108		70-130	1		30
Trichloroethene	112		112		70-130	0		30
1,2-Dichlorobenzene	105		106		70-130	1		30
1,3-Dichlorobenzene	104		105		70-130	1		30
1,4-Dichlorobenzene	104		103		70-130	1		30
Methyl tert butyl ether	112		112		66-130	0		30
p/m-Xylene	111		112		70-130	1		30
o-Xylene	114		114		70-130	0		30
cis-1,2-Dichloroethene	111		110		70-130	1		30
Dibromomethane	111		110		70-130	1		30
Styrene	104		105		70-130	1		30
Dichlorodifluoromethane	95		94		30-146	1		30
Acetone	85		85		54-140	0		30
Carbon disulfide	99		98		59-130	1		30
2-Butanone	96		84		70-130	13		30
Vinyl acetate	91		86		70-130	6		30
4-Methyl-2-pentanone	91		90		70-130	1		30
1,2,3-Trichloropropane	100		101		68-130	1		30
2-Hexanone	79		77		70-130	3		30
Bromochloromethane	111		109		70-130	2		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 14 Batch: WG1177074-3 WG1177074-4								
2,2-Dichloropropane	111		110		70-130	1		30
1,2-Dibromoethane	112		110		70-130	2		30
1,3-Dichloropropane	109		110		69-130	1		30
1,1,1,2-Tetrachloroethane	110		111		70-130	1		30
Bromobenzene	106		109		70-130	3		30
n-Butylbenzene	106		108		70-130	2		30
sec-Butylbenzene	104		107		70-130	3		30
tert-Butylbenzene	104		106		70-130	2		30
o-Chlorotoluene	102		104		70-130	2		30
p-Chlorotoluene	102		105		70-130	3		30
1,2-Dibromo-3-chloropropane	97		94		68-130	3		30
Hexachlorobutadiene	124		126		67-130	2		30
Isopropylbenzene	104		105		70-130	1		30
p-Isopropyltoluene	105		107		70-130	2		30
Naphthalene	106		104		70-130	2		30
Acrylonitrile	98		94		70-130	4		30
Tert-Butyl Alcohol	99		96		70-130	3		30
n-Propylbenzene	103		106		70-130	3		30
1,2,3-Trichlorobenzene	115		113		70-130	2		30
1,2,4-Trichlorobenzene	116		115		70-130	1		30
1,3,5-Trimethylbenzene	104		107		70-130	3		30
1,2,4-Trimethylbenzene	106		108		70-130	2		30
Methyl Acetate	87		86		51-146	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 14 Batch: WG1177074-3 WG1177074-4								
Acrolein	90		82		70-130	9		30
Cyclohexane	99		98		59-142	1		30
1,4-Dioxane	116		110		65-136	5		30
Freon-113	110		110		50-139	0		30
p-Diethylbenzene	105		106		70-130	1		30
p-Ethyltoluene	105		106		70-130	1		30
1,2,4,5-Tetramethylbenzene	104		106		70-130	2		30
Ethyl ether	111		107		67-130	4		30
trans-1,4-Dichloro-2-butene	78		74		70-130	5		30
Methyl cyclohexane	106		108		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	103		101		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	99		99		70-130
Dibromofluoromethane	103		103		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 27 Batch: WG1177336-3 WG1177336-4								
Methylene chloride	102		100		70-130	2		30
1,1-Dichloroethane	101		99		70-130	2		30
Chloroform	109		107		70-130	2		30
Carbon tetrachloride	103		100		70-130	3		30
1,2-Dichloropropane	103		99		70-130	4		30
Dibromochloromethane	110		106		70-130	4		30
1,1,2-Trichloroethane	111		108		70-130	3		30
Tetrachloroethene	111		108		70-130	3		30
Chlorobenzene	105		103		70-130	2		30
Trichlorofluoromethane	108		106		70-139	2		30
1,2-Dichloroethane	106		102		70-130	4		30
1,1,1-Trichloroethane	111		108		70-130	3		30
Bromodichloromethane	117		114		70-130	3		30
trans-1,3-Dichloropropene	114		111		70-130	3		30
cis-1,3-Dichloropropene	120		113		70-130	6		30
1,1-Dichloropropene	111		107		70-130	4		30
Bromoform	116		112		70-130	4		30
1,1,2,2-Tetrachloroethane	107		102		70-130	5		30
Benzene	107		104		70-130	3		30
Toluene	105		103		70-130	2		30
Ethylbenzene	107		105		70-130	2		30
Chloromethane	82		82		52-130	0		30
Bromomethane	133		124		57-147	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 27 Batch: WG1177336-3 WG1177336-4								
Vinyl chloride	106		104		67-130	2		30
Chloroethane	132		124		50-151	6		30
1,1-Dichloroethene	103		101		65-135	2		30
trans-1,2-Dichloroethene	107		103		70-130	4		30
Trichloroethene	109		106		70-130	3		30
1,2-Dichlorobenzene	107		105		70-130	2		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	103		101		70-130	2		30
Methyl tert butyl ether	117		111		66-130	5		30
p/m-Xylene	108		107		70-130	1		30
o-Xylene	113		110		70-130	3		30
cis-1,2-Dichloroethene	109		106		70-130	3		30
Dibromomethane	115		110		70-130	4		30
Styrene	104		101		70-130	3		30
Dichlorodifluoromethane	90		90		30-146	0		30
Acetone	99		86		54-140	14		30
Carbon disulfide	96		94		59-130	2		30
2-Butanone	87		83		70-130	5		30
Vinyl acetate	93		88		70-130	6		30
4-Methyl-2-pentanone	95		90		70-130	5		30
1,2,3-Trichloropropane	107		101		68-130	6		30
2-Hexanone	85		78		70-130	9		30
Bromochloromethane	114		107		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 27 Batch: WG1177336-3 WG1177336-4								
2,2-Dichloropropane	109		107		70-130	2		30
1,2-Dibromoethane	116		110		70-130	5		30
1,3-Dichloropropane	112		107		69-130	5		30
1,1,1,2-Tetrachloroethane	110		110		70-130	0		30
Bromobenzene	105		104		70-130	1		30
n-Butylbenzene	102		102		70-130	0		30
sec-Butylbenzene	101		100		70-130	1		30
tert-Butylbenzene	103		101		70-130	2		30
o-Chlorotoluene	103		100		70-130	3		30
p-Chlorotoluene	102		101		70-130	1		30
1,2-Dibromo-3-chloropropane	102		100		68-130	2		30
Hexachlorobutadiene	124		122		67-130	2		30
Isopropylbenzene	102		100		70-130	2		30
p-Isopropyltoluene	103		103		70-130	0		30
Naphthalene	112		107		70-130	5		30
Acrylonitrile	103		94		70-130	9		30
Tert-Butyl Alcohol	109		99		70-130	10		30
n-Propylbenzene	101		101		70-130	0		30
1,2,3-Trichlorobenzene	117		116		70-130	1		30
1,2,4-Trichlorobenzene	118		116		70-130	2		30
1,3,5-Trimethylbenzene	103		103		70-130	0		30
1,2,4-Trimethylbenzene	105		104		70-130	1		30
Methyl Acetate	89		84		51-146	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 27 Batch: WG1177336-3 WG1177336-4								
Acrolein	97		85		70-130	13		30
Cyclohexane	92		93		59-142	1		30
1,4-Dioxane	120		109		65-136	10		30
Freon-113	104		102		50-139	2		30
p-Diethylbenzene	102		102		70-130	0		30
p-Ethyltoluene	103		103		70-130	0		30
1,2,4,5-Tetramethylbenzene	104		104		70-130	0		30
Ethyl ether	113		107		67-130	5		30
trans-1,4-Dichloro-2-butene	88		78		70-130	12		30
Methyl cyclohexane	102		100		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	104		100		70-130
Toluene-d8	100		101		70-130
4-Bromofluorobenzene	99		100		70-130
Dibromofluoromethane	103		102		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab L1844582-20 Client ID: WC13_20-22 Associated sample(s): 16,18-20,22-26,29 QC Batch ID: WG1176883-6 WG1176883-7 QC Sample:												
Methylene chloride	ND	86000	94000	109		87000	101		70-130	8		30
1,1-Dichloroethane	ND	86000	96000	112		89000	103		70-130	8		30
Chloroform	ND	86000	100000	117		93000	108		70-130	9		30
Carbon tetrachloride	ND	86000	96000	112		87000	101		70-130	10		30
1,2-Dichloropropane	ND	86000	96000	112		88000	103		70-130	9		30
Dibromochloromethane	ND	86000	100000	119		94000	110		70-130	8		30
1,1,2-Trichloroethane	ND	86000	120000	140	Q	110000	128		70-130	9		30
Tetrachloroethene	ND	86000	92000	107		78000	90		70-130	17		30
Chlorobenzene	ND	86000	90000	104		78000	91		70-130	14		30
Trichlorofluoromethane	ND	86000	110000	122		96000	112		70-139	9		30
1,2-Dichloroethane	ND	86000	97000	113		88000	102		70-130	10		30
1,1,1-Trichloroethane	ND	86000	100000	120		94000	109		70-130	9		30
Bromodichloromethane	ND	86000	110000	127		100000	116		70-130	9		30
trans-1,3-Dichloropropene	ND	86000	100000	120		94000	109		70-130	9		30
cis-1,3-Dichloropropene	ND	86000	110000	126		97000	112		70-130	11		30
1,1-Dichloropropene	ND	86000	100000	121		92000	107		70-130	12		30
Bromoform	ND	86000	110000	126		99000	114		70-130	9		30
1,1,2,2-Tetrachloroethane	ND	86000	92000	107		85000	99		70-130	8		30
Benzene	14000	86000	110000	114		100000	102		70-130	9		30
Toluene	100000	86000	180000	96		170000	77		70-130	10		30
Ethylbenzene	34000	86000	120000	96		99000	76		70-130	17		30
Chloromethane	ND	86000	79000	92		73000	85		52-130	8		30
Bromomethane	ND	86000	110000	123		100000	117		57-147	5		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,18-20,22-26,29 QC Batch ID: WG1176883-6 WG1176883-7 QC Sample: L1844582-20 Client ID: WC13_20-22												
Vinyl chloride	ND	86000	110000	123		97000	113		67-130	9		30
Chloroethane	ND	86000	120000	137		110000	128		50-151	7		30
1,1-Dichloroethene	ND	86000	100000	117		92000	107		65-135	9		30
trans-1,2-Dichloroethene	ND	86000	100000	117		91000	105		70-130	11		30
Trichloroethene	ND	86000	100000	119		89000	104		70-130	13		30
1,2-Dichlorobenzene	ND	86000	83000	97		70000	82		70-130	17		30
1,3-Dichlorobenzene	ND	86000	79000	92		65000	75		70-130	20		30
1,4-Dichlorobenzene	ND	86000	76000	88		62000	72		70-130	20		30
Methyl tert butyl ether	ND	86000	110000	127		100000	116		66-130	9		30
p/m-Xylene	160000	170000	310000	85		260000	58	Q	70-130	17		30
o-Xylene	80000	170000	250000	102		220000	81		70-130	16		30
cis-1,2-Dichloroethene	ND	86000	100000	119		94000	109		70-130	8		30
Dibromomethane	ND	86000	110000	123		95000	110		70-130	11		30
Styrene	ND	170000	180000	104		150000	88		70-130	17		30
Dichlorodifluoromethane	ND	86000	89000	104		82000	95		30-146	9		30
Acetone	ND	86000	88000	102		78000	91		54-140	12		30
Carbon disulfide	ND	86000	91000	105		81000	95		59-130	11		30
2-Butanone	ND	86000	90000	105		80000	93		70-130	13		30
Vinyl acetate	ND	86000	78000	90		73000	84		70-130	7		30
4-Methyl-2-pentanone	ND	86000	89000	103		80000	94		70-130	10		30
1,2,3-Trichloropropane	ND	86000	94000	110		85000	99		68-130	11		30
2-Hexanone	ND	86000	80000	93		71000	83		70-130	11		30
Bromochloromethane	ND	86000	100000	120		94000	109		70-130	9		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,18-20,22-26,29 QC Batch ID: WG1176883-6 WG1176883-7 QC Sample: L1844582-20 Client ID: WC13_20-22												
2,2-Dichloropropane	ND	86000	98000	114		89000	104		70-130	9		30
1,2-Dibromoethane	ND	86000	100000	121		95000	110		70-130	9		30
1,3-Dichloropropane	ND	86000	100000	119		93000	108		69-130	9		30
1,1,1,2-Tetrachloroethane	ND	86000	99000	115		90000	105		70-130	9		30
Bromobenzene	ND	86000	89000	103		77000	89		70-130	14		30
n-Butylbenzene	3200	86000	68000	76		48000	52	Q	70-130	35	Q	30
sec-Butylbenzene	1600	86000	73000	84		56000	63	Q	70-130	27		30
tert-Butylbenzene	180J	86000	78000	91		62000	73		70-130	22		30
o-Chlorotoluene	ND	86000	87000	101		71000	82		70-130	21		30
p-Chlorotoluene	ND	86000	78000	91		63000	74		70-130	21		30
1,2-Dibromo-3-chloropropane	ND	86000	91000	106		82000	96		68-130	10		30
Hexachlorobutadiene	ND	86000	69000	80		46000	54	Q	67-130	40	Q	30
Isopropylbenzene	4800	86000	85000	94		70000	76		70-130	20		30
p-Isopropyltoluene	1700	86000	76000	86		56000	64	Q	70-130	29		30
Naphthalene	26000	86000	120000	105		100000	90		70-130	12		30
Acrylonitrile	ND	86000	95000	111		85000	99		70-130	12		30
Tert-Butyl Alcohol	ND	430000	490000	114		430000	100		70-130	13		30
n-Propylbenzene	13000	86000	85000	84		66000	62	Q	70-130	25		30
1,2,3-Trichlorobenzene	ND	86000	88000	102		73000	85		70-130	19		30
1,2,4-Trichlorobenzene	ND	86000	86000	100		68000	79		70-130	23		30
1,3,5-Trimethylbenzene	34000	86000	100000	80		82000	56	Q	70-130	23		30
1,2,4-Trimethylbenzene	100000	86000	160000	64	Q	130000	29	Q	70-130	21		30
Methyl Acetate	ND	86000	85000	98		75000	87		51-146	13		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 16,18-20,22-26,29 QC Batch ID: WG1176883-6 WG1176883-7 QC Sample: L1844582-20 Client ID: WC13_20-22												
Acrolein	ND	86000	85000	99		77000	89		70-130	11		30
Cyclohexane	7200J	86000	96000	112		86000	100		59-142	11		30
1,4-Dioxane	ND	4300000	5000000	115		4400000	103		65-136	11		30
Freon-113	ND	86000	100000	119		94000	110		50-139	8		30
p-Diethylbenzene	31000	86000	74000	50	Q	54000	26	Q	70-130	32	Q	30
p-Ethyltoluene	80000	86000	130000	63	Q	110000	30	Q	70-130	23		30
1,2,4,5-Tetramethylbenzene	9600	86000	83000	85		64000	63	Q	70-130	26		30
Ethyl ether	ND	86000	110000	123		98000	114		67-130	8		30
trans-1,4-Dichloro-2-butene	ND	86000	74000	86		66000	77		70-130	11		30
Methyl cyclohexane	22000	86000	120000	109		100000	95		70-130	11		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		100		70-130
4-Bromofluorobenzene	103		104		70-130
Dibromofluoromethane	103		102		70-130
Toluene-d8	100		103		70-130

SEMIVOLATILES

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 20:15
Analyst: ALS
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	600	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	20.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	31.	1
Azobenzene	ND		ug/kg	180	18.	1
Fluoranthene	ND		ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	520	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	63.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-01
 Client ID: COMP06_0-13
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	62.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	38.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	ND		ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	42.	1
4-Chloroaniline	ND		ug/kg	180	33.	1
2-Nitroaniline	ND		ug/kg	180	35.	1
3-Nitroaniline	ND		ug/kg	180	34.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	29.	1
2,4-Dimethylphenol	ND		ug/kg	180	60.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	85.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	590	180	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	35		25-120
Phenol-d6	62		10-120
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	69		30-120
2,4,6-Tribromophenol	30		10-136
4-Terphenyl-d14	65		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 20:40
Analyst: ALS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Benzidine	ND		ug/kg	690	230	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	28.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Azobenzene	ND		ug/kg	210	20.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	600	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	27.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	73.	1
Butyl benzyl phthalate	ND		ug/kg	210	53.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	19.	1
Dimethyl phthalate	ND		ug/kg	210	44.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	51.	1
Benzo(b)fluoranthene	ND		ug/kg	130	35.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	32.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	20.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	29.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	38.	1
2-Nitroaniline	ND		ug/kg	210	40.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	87.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
n-Nitrosodimethylamine	ND		ug/kg	420	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	31.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	69.	1
2-Nitrophenol	ND		ug/kg	450	79.	1
4-Nitrophenol	ND		ug/kg	290	86.	1
2,4-Dinitrophenol	ND		ug/kg	1000	98.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	46.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	40.	1
Benzoic Acid	ND		ug/kg	680	210	1
Benzyl Alcohol	ND		ug/kg	210	64.	1
Carbazole	ND		ug/kg	210	20.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1
Caprolactam	ND		ug/kg	210	64.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	91		30-120
2,4,6-Tribromophenol	88		10-136
4-Terphenyl-d14	93		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08 D
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 02:59
Analyst: ALS
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	300	39.	2
Benzidine	ND		ug/kg	1200	410	2
1,2,4-Trichlorobenzene	ND		ug/kg	370	43.	2
Hexachlorobenzene	ND		ug/kg	220	42.	2
Bis(2-chloroethyl)ether	ND		ug/kg	340	51.	2
2-Chloronaphthalene	ND		ug/kg	370	37.	2
1,2-Dichlorobenzene	ND		ug/kg	370	67.	2
1,3-Dichlorobenzene	ND		ug/kg	370	64.	2
1,4-Dichlorobenzene	ND		ug/kg	370	65.	2
3,3'-Dichlorobenzidine	ND		ug/kg	370	100	2
2,4-Dinitrotoluene	ND		ug/kg	370	75.	2
2,6-Dinitrotoluene	ND		ug/kg	370	64.	2
Azobenzene	ND		ug/kg	370	36.	2
Fluoranthene	440		ug/kg	220	43.	2
4-Chlorophenyl phenyl ether	ND		ug/kg	370	40.	2
4-Bromophenyl phenyl ether	ND		ug/kg	370	57.	2
Bis(2-chloroisopropyl)ether	ND		ug/kg	450	64.	2
Bis(2-chloroethoxy)methane	ND		ug/kg	400	38.	2
Hexachlorobutadiene	ND		ug/kg	370	55.	2
Hexachlorocyclopentadiene	ND		ug/kg	1100	340	2
Hexachloroethane	ND		ug/kg	300	61.	2
Isophorone	ND		ug/kg	340	49.	2
Naphthalene	140	J	ug/kg	370	46.	2
Nitrobenzene	ND		ug/kg	340	55.	2
NDPA/DPA	ND		ug/kg	300	43.	2
n-Nitrosodi-n-propylamine	ND		ug/kg	370	58.	2
Bis(2-ethylhexyl)phthalate	ND		ug/kg	370	130	2
Butyl benzyl phthalate	ND		ug/kg	370	94.	2

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08 D

Date Collected: 10/31/18 12:45

Client ID: COMP07_0-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	370	71.	2
Di-n-octylphthalate	ND		ug/kg	370	130	2
Diethyl phthalate	ND		ug/kg	370	35.	2
Dimethyl phthalate	ND		ug/kg	370	79.	2
Benzo(a)anthracene	200	J	ug/kg	220	42.	2
Benzo(a)pyrene	190	J	ug/kg	300	91.	2
Benzo(b)fluoranthene	310		ug/kg	220	63.	2
Benzo(k)fluoranthene	72	J	ug/kg	220	60.	2
Chrysene	240		ug/kg	220	39.	2
Acenaphthylene	100	J	ug/kg	300	58.	2
Anthracene	85	J	ug/kg	220	73.	2
Benzo(ghi)perylene	160	J	ug/kg	300	44.	2
Fluorene	50	J	ug/kg	370	36.	2
Phenanthrene	480		ug/kg	220	46.	2
Dibenzo(a,h)anthracene	ND		ug/kg	220	43.	2
Indeno(1,2,3-cd)pyrene	160	J	ug/kg	300	52.	2
Pyrene	350		ug/kg	220	37.	2
Biphenyl	ND		ug/kg	850	87.	2
4-Chloroaniline	ND		ug/kg	370	68.	2
2-Nitroaniline	ND		ug/kg	370	72.	2
3-Nitroaniline	ND		ug/kg	370	71.	2
4-Nitroaniline	ND		ug/kg	370	160	2
Dibenzofuran	46	J	ug/kg	370	35.	2
2-Methylnaphthalene	55	J	ug/kg	450	45.	2
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	370	39.	2
Acetophenone	ND		ug/kg	370	46.	2
n-Nitrosodimethylamine	ND		ug/kg	750	72.	2
2,4,6-Trichlorophenol	ND		ug/kg	220	71.	2
p-Chloro-m-cresol	ND		ug/kg	370	56.	2
2-Chlorophenol	ND		ug/kg	370	44.	2
2,4-Dichlorophenol	ND		ug/kg	340	60.	2
2,4-Dimethylphenol	ND		ug/kg	370	120	2
2-Nitrophenol	ND		ug/kg	810	140	2
4-Nitrophenol	ND		ug/kg	520	150	2
2,4-Dinitrophenol	ND		ug/kg	1800	170	2
4,6-Dinitro-o-cresol	ND		ug/kg	970	180	2
Pentachlorophenol	ND		ug/kg	300	82.	2

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08 D
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	370	56.	2
2-Methylphenol	ND		ug/kg	370	58.	2
3-Methylphenol/4-Methylphenol	ND		ug/kg	540	59.	2
2,4,5-Trichlorophenol	ND		ug/kg	370	72.	2
Benzoic Acid	ND		ug/kg	1200	380	2
Benzyl Alcohol	ND		ug/kg	370	110	2
Carbazole	72	J	ug/kg	370	36.	2
Atrazine	ND		ug/kg	300	130	2
Benzaldehyde	ND		ug/kg	490	100	2
Caprolactam	ND		ug/kg	370	110	2
2,3,4,6-Tetrachlorophenol	ND		ug/kg	370	76.	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		25-120
Phenol-d6	89		10-120
Nitrobenzene-d5	93		23-120
2-Fluorobiphenyl	89		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	79		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 21:05
Analyst: ALS
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Benzidine	ND		ug/kg	700	230	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	36.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	56.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Azobenzene	ND		ug/kg	210	20.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	ND		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	31.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	41.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	ND		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
n-Nitrosodimethylamine	ND		ug/kg	420	41.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	57.	1
Caprolactam	ND		ug/kg	210	65.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	70		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	73		30-120
2,4,6-Tribromophenol	76		10-136
4-Terphenyl-d14	77		18-120

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28
 Client ID: DUP01_COMP_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8270D
 Analytical Date: 11/04/18 21:30
 Analyst: ALS
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	19.	1
Benzidine	ND		ug/kg	610	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	180	21.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	160	25.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
1,2-Dichlorobenzene	ND		ug/kg	180	33.	1
1,3-Dichlorobenzene	ND		ug/kg	180	32.	1
1,4-Dichlorobenzene	ND		ug/kg	180	32.	1
3,3'-Dichlorobenzidine	ND		ug/kg	180	49.	1
2,4-Dinitrotoluene	ND		ug/kg	180	37.	1
2,6-Dinitrotoluene	ND		ug/kg	180	32.	1
Azobenzene	ND		ug/kg	180	18.	1
Fluoranthene	24	J	ug/kg	110	21.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	180	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	180	28.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	220	31.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	18.	1
Hexachlorobutadiene	ND		ug/kg	180	27.	1
Hexachlorocyclopentadiene	ND		ug/kg	530	170	1
Hexachloroethane	ND		ug/kg	150	30.	1
Isophorone	ND		ug/kg	160	24.	1
Naphthalene	ND		ug/kg	180	22.	1
Nitrobenzene	ND		ug/kg	160	27.	1
NDPA/DPA	ND		ug/kg	150	21.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	180	28.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	180	64.	1
Butyl benzyl phthalate	ND		ug/kg	180	46.	1

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28
 Client ID: DUP01_COMP_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	180	35.	1
Di-n-octylphthalate	ND		ug/kg	180	63.	1
Diethyl phthalate	ND		ug/kg	180	17.	1
Dimethyl phthalate	ND		ug/kg	180	39.	1
Benzo(a)anthracene	ND		ug/kg	110	21.	1
Benzo(a)pyrene	ND		ug/kg	150	45.	1
Benzo(b)fluoranthene	ND		ug/kg	110	31.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	ND		ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	150	28.	1
Anthracene	ND		ug/kg	110	36.	1
Benzo(ghi)perylene	ND		ug/kg	150	22.	1
Fluorene	ND		ug/kg	180	18.	1
Phenanthrene	ND		ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	150	26.	1
Pyrene	22	J	ug/kg	110	18.	1
Biphenyl	ND		ug/kg	420	43.	1
4-Chloroaniline	ND		ug/kg	180	34.	1
2-Nitroaniline	ND		ug/kg	180	36.	1
3-Nitroaniline	ND		ug/kg	180	35.	1
4-Nitroaniline	ND		ug/kg	180	76.	1
Dibenzofuran	ND		ug/kg	180	17.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	180	19.	1
Acetophenone	ND		ug/kg	180	23.	1
n-Nitrosodimethylamine	ND		ug/kg	370	35.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	35.	1
p-Chloro-m-cresol	ND		ug/kg	180	27.	1
2-Chlorophenol	ND		ug/kg	180	22.	1
2,4-Dichlorophenol	ND		ug/kg	160	30.	1
2,4-Dimethylphenol	ND		ug/kg	180	61.	1
2-Nitrophenol	ND		ug/kg	400	69.	1
4-Nitrophenol	ND		ug/kg	260	75.	1
2,4-Dinitrophenol	ND		ug/kg	880	86.	1
4,6-Dinitro-o-cresol	ND		ug/kg	480	88.	1
Pentachlorophenol	ND		ug/kg	150	40.	1

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28
 Client ID: DUP01_COMP_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	180	28.	1
2-Methylphenol	ND		ug/kg	180	28.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	260	29.	1
2,4,5-Trichlorophenol	ND		ug/kg	180	35.	1
Benzoic Acid	ND		ug/kg	600	190	1
Benzyl Alcohol	ND		ug/kg	180	56.	1
Carbazole	ND		ug/kg	180	18.	1
Atrazine	ND		ug/kg	150	64.	1
Benzaldehyde	ND		ug/kg	240	50.	1
Caprolactam	ND		ug/kg	180	56.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	180	37.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	40		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	89		23-120
2-Fluorobiphenyl	88		30-120
2,4,6-Tribromophenol	33		10-136
4-Terphenyl-d14	88		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 14:32
Analyst: SZ
Percent Solids: 83%
TCLP/SPLP Ext. Date: 11/01/18 22:49

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 11:38

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	81		21-120
Phenol-d6	75		10-120
Nitrobenzene-d5	82		23-120
2-Fluorobiphenyl	85		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	81		33-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 21:56
Analyst: ALS
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Benzidine	ND		ug/kg	650	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	19.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Azobenzene	ND		ug/kg	200	19.	1
Fluoranthene	ND		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	25.	1
Naphthalene	1200		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	49.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	31.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	27.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	81.	1
Dibenzofuran	26	J	ug/kg	200	18.	1
2-Methylnaphthalene	1200		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	38.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	420	74.	1
4-Nitrophenol	ND		ug/kg	270	80.	1
2,4-Dinitrophenol	ND		ug/kg	940	91.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	94.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	92		23-120
2-Fluorobiphenyl	82		30-120
2,4,6-Tribromophenol	75		10-136
4-Terphenyl-d14	78		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/04/18 22:46
Analyst: ALS
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	29	J	ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	120	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	51.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	33.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	440		ug/kg	120	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	33.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	550	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	88	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	65.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	210		ug/kg	120	22.	1
Benzo(a)pyrene	190		ug/kg	150	47.	1
Benzo(b)fluoranthene	240		ug/kg	120	32.	1
Benzo(k)fluoranthene	79	J	ug/kg	120	31.	1
Chrysene	210		ug/kg	120	20.	1
Acenaphthylene	30	J	ug/kg	150	30.	1
Anthracene	70	J	ug/kg	120	37.	1
Benzo(ghi)perylene	120	J	ug/kg	150	22.	1
Fluorene	24	J	ug/kg	190	19.	1
Phenanthrene	350		ug/kg	120	23.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	120	22.	1
Indeno(1,2,3-cd)pyrene	120	J	ug/kg	150	27.	1
Pyrene	410		ug/kg	120	19.	1
Biphenyl	ND		ug/kg	440	44.	1
4-Chloroaniline	ND		ug/kg	190	35.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	ND		ug/kg	190	18.	1
2-Methylnaphthalene	81	J	ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	37.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	23.	1
2,4-Dichlorophenol	ND		ug/kg	170	31.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	72.	1
4-Nitrophenol	ND		ug/kg	270	78.	1
2,4-Dinitrophenol	ND		ug/kg	920	89.	1
4,6-Dinitro-o-cresol	ND		ug/kg	500	92.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	37.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	59.	1
Carbazole	33	J	ug/kg	190	19.	1
Atrazine	ND		ug/kg	150	67.	1
Benzaldehyde	ND		ug/kg	250	52.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	39.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	81		10-120
Nitrobenzene-d5	88		23-120
2-Fluorobiphenyl	83		30-120
2,4,6-Tribromophenol	60		10-136
4-Terphenyl-d14	81		18-120

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/18 18:59
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	550	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	100	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	100	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	22.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	26.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/04/18 18:59
 Analyst: ALS

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	69.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	100	31.
p-Chloro-m-cresol	ND		ug/kg	160	25.
2-Chlorophenol	ND		ug/kg	160	20.



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 11/04/18 18:59
Analyst: ALS

Extraction Method: EPA 3546
Extraction Date: 11/01/18 17:47

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-1					
2,4-Dichlorophenol	ND		ug/kg	150	27.
2,4-Dimethylphenol	ND		ug/kg	160	55.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	68.
2,4-Dinitrophenol	ND		ug/kg	800	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	540	170
Benzyl Alcohol	ND		ug/kg	160	51.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	45.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	34.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	71		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	76		23-120
2-Fluorobiphenyl	76		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	78		18-120



Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 13:17
 Analyst: SZ
 TCLP/SPLP Extraction Date: 11/01/18 22:49

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 11:38

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 30 Batch: WG1175806-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	76		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	77		23-120
2-Fluorobiphenyl	78		15-120
2,4,6-Tribromophenol	76		10-120
4-Terphenyl-d14	78		33-120

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-2 WG1175002-3								
Acenaphthene	80		81		31-137	1		50
Benzidine	32		31		10-66	3		50
1,2,4-Trichlorobenzene	74		73		38-107	1		50
Hexachlorobenzene	77		78		40-140	1		50
Bis(2-chloroethyl)ether	78		77		40-140	1		50
2-Chloronaphthalene	76		75		40-140	1		50
1,2-Dichlorobenzene	73		72		40-140	1		50
1,3-Dichlorobenzene	70		69		40-140	1		50
1,4-Dichlorobenzene	70		70		28-104	0		50
3,3'-Dichlorobenzidine	69		70		40-140	1		50
2,4-Dinitrotoluene	80		81		40-132	1		50
2,6-Dinitrotoluene	76		77		40-140	1		50
Azobenzene	91		92		40-140	1		50
Fluoranthene	79		80		40-140	1		50
4-Chlorophenyl phenyl ether	78		78		40-140	0		50
4-Bromophenyl phenyl ether	76		79		40-140	4		50
Bis(2-chloroisopropyl)ether	110		110		40-140	0		50
Bis(2-chloroethoxy)methane	81		82		40-117	1		50
Hexachlorobutadiene	74		72		40-140	3		50
Hexachlorocyclopentadiene	51		47		40-140	8		50
Hexachloroethane	76		76		40-140	0		50
Isophorone	84		85		40-140	1		50
Naphthalene	79		77		40-140	3		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-2 WG1175002-3								
Nitrobenzene	85		83		40-140	2		50
NDPA/DPA	78		79		36-157	1		50
n-Nitrosodi-n-propylamine	87		87		32-121	0		50
Bis(2-ethylhexyl)phthalate	87		87		40-140	0		50
Butyl benzyl phthalate	86		88		40-140	2		50
Di-n-butylphthalate	84		86		40-140	2		50
Di-n-octylphthalate	88		90		40-140	2		50
Diethyl phthalate	79		80		40-140	1		50
Dimethyl phthalate	74		76		40-140	3		50
Benzo(a)anthracene	78		77		40-140	1		50
Benzo(a)pyrene	77		78		40-140	1		50
Benzo(b)fluoranthene	75		75		40-140	0		50
Benzo(k)fluoranthene	76		78		40-140	3		50
Chrysene	77		78		40-140	1		50
Acenaphthylene	79		79		40-140	0		50
Anthracene	81		82		40-140	1		50
Benzo(ghi)perylene	80		78		40-140	3		50
Fluorene	78		79		40-140	1		50
Phenanthrene	80		80		40-140	0		50
Dibenzo(a,h)anthracene	81		79		40-140	3		50
Indeno(1,2,3-cd)pyrene	79		80		40-140	1		50
Pyrene	79		81		35-142	3		50
Biphenyl	80		80		54-104	0		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-2 WG1175002-3								
4-Chloroaniline	90		93		40-140	3		50
2-Nitroaniline	77		78		47-134	1		50
3-Nitroaniline	65		68		26-129	5		50
4-Nitroaniline	71		73		41-125	3		50
Dibenzofuran	79		79		40-140	0		50
2-Methylnaphthalene	81		81		40-140	0		50
1,2,4,5-Tetrachlorobenzene	77		78		40-117	1		50
Acetophenone	81		80		14-144	1		50
n-Nitrosodimethylamine	77		72		22-100	7		50
2,4,6-Trichlorophenol	75		76		30-130	1		50
p-Chloro-m-cresol	80		82		26-103	2		50
2-Chlorophenol	78		78		25-102	0		50
2,4-Dichlorophenol	79		80		30-130	1		50
2,4-Dimethylphenol	83		86		30-130	4		50
2-Nitrophenol	76		77		30-130	1		50
4-Nitrophenol	85		90		11-114	6		50
2,4-Dinitrophenol	56		61		4-130	9		50
4,6-Dinitro-o-cresol	75		79		10-130	5		50
Pentachlorophenol	56		60		17-109	7		50
Phenol	82		80		26-90	2		50
2-Methylphenol	82		81		30-130	1		50
3-Methylphenol/4-Methylphenol	86		85		30-130	1		50
2,4,5-Trichlorophenol	73		76		30-130	4		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175002-2 WG1175002-3								
Benzoic Acid	73		78		10-110	7		50
Benzyl Alcohol	85		85		40-140	0		50
Carbazole	79		80		54-128	1		50
Atrazine	85		87		40-140	2		50
Benzaldehyde	67		66		40-140	2		50
Caprolactam	121		122		15-130	1		50
2,3,4,6-Tetrachlorophenol	79		80		40-140	1		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	74		72		25-120
Phenol-d6	78		78		10-120
Nitrobenzene-d5	85		83		23-120
2-Fluorobiphenyl	79		76		30-120
2,4,6-Tribromophenol	80		78		10-136
4-Terphenyl-d14	78		78		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 30 Batch: WG1175806-2 WG1175806-3								
Hexachlorobenzene	73		76		40-140	4		30
2,4-Dinitrotoluene	96		99		40-132	3		30
Hexachlorobutadiene	63		64		28-111	2		30
Hexachloroethane	63		62		21-105	2		30
Nitrobenzene	78		78		40-140	0		30
2,4,6-Trichlorophenol	91		94		30-130	3		30
Pentachlorophenol	70		74		9-103	6		30
2-Methylphenol	84		83		30-130	1		30
3-Methylphenol/4-Methylphenol	85		85		30-130	0		30
2,4,5-Trichlorophenol	93		95		30-130	2		30
Pyridine	31		33		10-66	6		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	81		81		21-120
Phenol-d6	78		79		10-120
Nitrobenzene-d5	81		85		23-120
2-Fluorobiphenyl	78		85		15-120
2,4,6-Tribromophenol	80		85		10-120
4-Terphenyl-d14	76		81		33-120

PETROLEUM HYDROCARBONS

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-02
Client ID: WC12_13-15
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 20:10
Analyst: MEO
Percent Solids: 56%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	138		mg/kg	42.2	42.2	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	86			40-140		
o-Terphenyl	86			40-140		

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-07
Client ID: WC13_2-4
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 20:39
Analyst: MEO
Percent Solids: 88%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	26.6	26.6	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	90			40-140		
o-Terphenyl	91			40-140		

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-13
 Client ID: WC15_1-3
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:35
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 103,NJDEP EPH
 Analytical Date: 11/03/18 21:07
 Analyst: MEO
 Percent Solids: 89%

Extraction Method: EPA 3546
 Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	34.6		mg/kg	26.2	26.2	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	79			40-140		
o-Terphenyl	78			40-140		

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-14
Client ID: WC15_20-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 14:20
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 21:36
Analyst: MEO
Percent Solids: 84%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.1	28.1	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	97			40-140		
o-Terphenyl	97			40-140		

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 22:05
Analyst: MEO
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	1550		mg/kg	29.4	29.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	88			40-140		
o-Terphenyl	88			40-140		

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-27 D
Client ID: WC14_14-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 11/02/18 19:31
Analyst: MZ
Percent Solids: 80%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab						

Gasoline Range Organics	3900000		ug/kg	240000	4600	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	292	Q	70-130
4-Bromofluorobenzene	96		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30 D
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 11/07/18 13:05
Analyst: MZ
Percent Solids: 83%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab						

Gasoline Range Organics	510000		ug/kg	56000	1100	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	130		70-130
4-Bromofluorobenzene	90		70-130

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis
Batch Quality Control

Analytical Method: 103,NJDEP EPH
Analytical Date: 11/03/18 17:19
Analyst: DG

Extraction Method: EPA 3546
Extraction Date: 11/02/18 11:57

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 02,07,13-14,27 Batch: WG1175316-1					
Total EPH	ND		mg/kg	23.9	23.9

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	93		40-140
o-Terphenyl	94		40-140

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8015D(M)
Analytical Date: 11/02/18 13:24
Analyst: MZ

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 27 Batch: WG1175711-11					
Gasoline Range Organics	1000	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	102		70-130
4-Bromofluorobenzene	104		70-130

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 11/07/18 10:22
 Analyst: MZ

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 30 Batch: WG1176922-12					
Gasoline Range Organics	1600	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	113		70-130
4-Bromofluorobenzene	105		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,07,13-14,27 Batch: WG1175316-2 WG1175316-3								
Total EPH	120		120		40-140	0		25
Nonane (C9)	89		86		40-140	3		25
Decane (C10)	98		95		40-140	3		25
Dodecane (C12)	100		97		40-140	3		25
Tetradecane (C14)	100		98		40-140	2		25
Hexadecane (C16)	104		102		40-140	2		25
Octadecane (C18)	107		106		40-140	1		25
Eicosane (C20)	108		108		40-140	0		25
Heneicosane (C21)	108		108		40-140	0		25
Docosane (C22)	109		108		40-140	1		25
Tetracosane (C24)	108		107		40-140	1		25
Hexacosane (C26)	107		107		40-140	0		25
Octacosane (C28)	105		105		40-140	0		25
triacontane (C30)	105		105		40-140	0		25
Dotriacontane (C32)	105		105		40-140	0		25
Tetratriacontane (C34)	103		103		40-140	0		25
Hexatriacontane (C36)	106		106		40-140	0		25
Octatriacontane (C38)	108		107		40-140	1		25
Tetracontane (C40)	113		113		40-140	0		25

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,07,13-14,27 Batch: WG1175316-2 WG1175316-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	96		95		40-140
o-Terphenyl	97		95		40-140

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 27 Batch: WG1175711-9 WG1175711-10								
Gasoline Range Organics	100		100		80-120	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	110		108		70-130
4-Bromofluorobenzene	109		110		70-130

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 30 Batch: WG1176922-10 WG1176922-11								
Gasoline Range Organics	96		95		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		109		70-130
4-Bromofluorobenzene	102		100		70-130

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 02,07,13-14,27 QC Batch ID: WG1175316-5 QC Sample: L1844467-01 Client ID: DUP Sample						
Total EPH	4000	4600	mg/kg	14		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	83		105		40-140
o-Terphenyl	66		81		40-140

PCBS

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 01:55
Analyst: HT
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	35.1	3.12	1	A
Aroclor 1221	ND		ug/kg	35.1	3.52	1	A
Aroclor 1232	ND		ug/kg	35.1	7.44	1	A
Aroclor 1242	ND		ug/kg	35.1	4.73	1	A
Aroclor 1248	ND		ug/kg	35.1	5.26	1	A
Aroclor 1254	ND		ug/kg	35.1	3.84	1	A
Aroclor 1260	ND		ug/kg	35.1	6.48	1	A
Aroclor 1262	ND		ug/kg	35.1	4.46	1	A
Aroclor 1268	ND		ug/kg	35.1	3.63	1	A
PCBs, Total	ND		ug/kg	35.1	3.12	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	67		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	64		30-150	B
Decachlorobiphenyl	52		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 02:07
Analyst: HT
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.57	1	A
Aroclor 1221	ND		ug/kg	40.2	4.02	1	A
Aroclor 1232	ND		ug/kg	40.2	8.51	1	A
Aroclor 1242	ND		ug/kg	40.2	5.41	1	A
Aroclor 1248	ND		ug/kg	40.2	6.02	1	A
Aroclor 1254	ND		ug/kg	40.2	4.39	1	A
Aroclor 1260	ND		ug/kg	40.2	7.42	1	A
Aroclor 1262	ND		ug/kg	40.2	5.10	1	A
Aroclor 1268	ND		ug/kg	40.2	4.16	1	A
PCBs, Total	ND		ug/kg	40.2	3.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	80		30-150	A
2,4,5,6-Tetrachloro-m-xylene	77		30-150	B
Decachlorobiphenyl	59		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 02:20
Analyst: HT
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	37.3	3.31	1	A
Aroclor 1221	ND		ug/kg	37.3	3.74	1	A
Aroclor 1232	ND		ug/kg	37.3	7.91	1	A
Aroclor 1242	ND		ug/kg	37.3	5.03	1	A
Aroclor 1248	ND		ug/kg	37.3	5.60	1	A
Aroclor 1254	ND		ug/kg	37.3	4.08	1	A
Aroclor 1260	ND		ug/kg	37.3	6.89	1	A
Aroclor 1262	ND		ug/kg	37.3	4.74	1	A
Aroclor 1268	ND		ug/kg	37.3	3.86	1	A
PCBs, Total	ND		ug/kg	37.3	3.31	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		30-150	B
Decachlorobiphenyl	50		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 02:32
Analyst: HT
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.8	3.71	1	A
Aroclor 1221	ND		ug/kg	41.8	4.18	1	A
Aroclor 1232	ND		ug/kg	41.8	8.85	1	A
Aroclor 1242	ND		ug/kg	41.8	5.63	1	A
Aroclor 1248	ND		ug/kg	41.8	6.26	1	A
Aroclor 1254	ND		ug/kg	41.8	4.57	1	A
Aroclor 1260	ND		ug/kg	41.8	7.72	1	A
Aroclor 1262	ND		ug/kg	41.8	5.30	1	A
Aroclor 1268	ND		ug/kg	41.8	4.33	1	A
PCBs, Total	ND		ug/kg	41.8	3.71	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		30-150	A
Decachlorobiphenyl	78		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		30-150	B
Decachlorobiphenyl	56		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-28
Client ID: DUP01_COMP_103118
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 02:44
Analyst: HT
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	36.3	3.22	1	A
Aroclor 1221	ND		ug/kg	36.3	3.64	1	A
Aroclor 1232	ND		ug/kg	36.3	7.70	1	A
Aroclor 1242	ND		ug/kg	36.3	4.90	1	A
Aroclor 1248	ND		ug/kg	36.3	5.45	1	A
Aroclor 1254	4.15	J	ug/kg	36.3	3.97	1	A
Aroclor 1260	ND		ug/kg	36.3	6.71	1	A
Aroclor 1262	ND		ug/kg	36.3	4.61	1	A
Aroclor 1268	ND		ug/kg	36.3	3.76	1	A
PCBs, Total	4.15	J	ug/kg	36.3	3.22	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	A
Decachlorobiphenyl	82		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	58		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 02:57
Analyst: HT
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.5	3.42	1	A
Aroclor 1221	ND		ug/kg	38.5	3.86	1	A
Aroclor 1232	ND		ug/kg	38.5	8.17	1	A
Aroclor 1242	ND		ug/kg	38.5	5.19	1	A
Aroclor 1248	ND		ug/kg	38.5	5.78	1	A
Aroclor 1254	4.86	J	ug/kg	38.5	4.22	1	B
Aroclor 1260	ND		ug/kg	38.5	7.12	1	A
Aroclor 1262	ND		ug/kg	38.5	4.89	1	A
Aroclor 1268	ND		ug/kg	38.5	3.99	1	A
PCBs, Total	4.86	J	ug/kg	38.5	3.42	1	B

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	92		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	72		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 03:09
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/02/18 10:47
Cleanup Method: EPA 3665A
Cleanup Date: 11/02/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.6	3.42	1	A
Aroclor 1221	ND		ug/kg	38.6	3.86	1	A
Aroclor 1232	ND		ug/kg	38.6	8.18	1	A
Aroclor 1242	ND		ug/kg	38.6	5.20	1	A
Aroclor 1248	ND		ug/kg	38.6	5.79	1	A
Aroclor 1254	ND		ug/kg	38.6	4.22	1	A
Aroclor 1260	ND		ug/kg	38.6	7.13	1	A
Aroclor 1262	ND		ug/kg	38.6	4.90	1	A
Aroclor 1268	ND		ug/kg	38.6	4.00	1	A
PCBs, Total	ND		ug/kg	38.6	3.42	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	77		30-150	A
Decachlorobiphenyl	71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	72		30-150	B
Decachlorobiphenyl	49		30-150	B

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/03/18 04:35
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 11/02/18 10:47
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/02/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175279-1						
Aroclor 1016	ND		ug/kg	32.5	2.89	A
Aroclor 1221	ND		ug/kg	32.5	3.26	A
Aroclor 1232	ND		ug/kg	32.5	6.89	A
Aroclor 1242	ND		ug/kg	32.5	4.38	A
Aroclor 1248	ND		ug/kg	32.5	4.88	A
Aroclor 1254	ND		ug/kg	32.5	3.56	A
Aroclor 1260	ND		ug/kg	32.5	6.01	A
Aroclor 1262	ND		ug/kg	32.5	4.13	A
Aroclor 1268	ND		ug/kg	32.5	3.37	A
PCBs, Total	ND		ug/kg	32.5	2.89	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	76		30-150	A
Decachlorobiphenyl	53		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	65		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175279-2 WG1175279-3									
Aroclor 1016	84		85		40-140	1		50	A
Aroclor 1260	65		70		40-140	7		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		77		30-150	A
Decachlorobiphenyl	46		51		30-150	A
2,4,5,6-Tetrachloro-m-xylene	78		78		30-150	B
Decachlorobiphenyl	61		64		30-150	B

PESTICIDES

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 21:07
Analyst: BM
Percent Solids: 89%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.70	0.332	1	A
Lindane	ND		ug/kg	0.707	0.316	1	A
Alpha-BHC	ND		ug/kg	0.707	0.201	1	A
Beta-BHC	ND		ug/kg	1.70	0.643	1	A
Heptachlor	ND		ug/kg	0.848	0.380	1	A
Aldrin	ND		ug/kg	1.70	0.597	1	A
Heptachlor epoxide	ND		ug/kg	3.18	0.954	1	A
Endrin	ND		ug/kg	0.707	0.290	1	A
Endrin aldehyde	ND		ug/kg	2.12	0.742	1	A
Endrin ketone	ND		ug/kg	1.70	0.437	1	A
Dieldrin	ND		ug/kg	1.06	0.530	1	A
4,4'-DDE	ND		ug/kg	1.70	0.392	1	A
4,4'-DDD	ND		ug/kg	1.70	0.605	1	A
4,4'-DDT	ND		ug/kg	3.18	1.36	1	A
Endosulfan I	ND		ug/kg	1.70	0.401	1	A
Endosulfan II	ND		ug/kg	1.70	0.567	1	A
Endosulfan sulfate	ND		ug/kg	0.707	0.336	1	A
Methoxychlor	ND		ug/kg	3.18	0.990	1	A
Toxaphene	ND		ug/kg	31.8	8.91	1	A
cis-Chlordane	ND		ug/kg	2.12	0.591	1	A
trans-Chlordane	ND		ug/kg	2.12	0.560	1	A
Chlordane	ND		ug/kg	13.8	5.62	1	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	B
Decachlorobiphenyl	70		30-150	B
2,4,5,6-Tetrachloro-m-xylene	102		30-150	A
Decachlorobiphenyl	58		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01
Client ID: COMP06_0-13
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 13:54
Analyst: DGM
Percent Solids: 89%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.64	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.84	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	82		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 21:20
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.801	0.358	1	A
Alpha-BHC	ND		ug/kg	0.801	0.228	1	A
Beta-BHC	ND		ug/kg	1.92	0.729	1	A
Heptachlor	ND		ug/kg	0.961	0.431	1	A
Aldrin	ND		ug/kg	1.92	0.677	1	A
Heptachlor epoxide	ND		ug/kg	3.60	1.08	1	A
Endrin	ND		ug/kg	0.801	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.841	1	A
Endrin ketone	ND		ug/kg	1.92	0.495	1	A
Dieldrin	ND		ug/kg	1.20	0.601	1	A
4,4'-DDE	ND		ug/kg	1.92	0.445	1	A
4,4'-DDD	ND		ug/kg	1.92	0.686	1	A
4,4'-DDT	ND		ug/kg	3.60	1.55	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.642	1	A
Endosulfan sulfate	ND		ug/kg	0.801	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.670	1	A
trans-Chlordane	ND		ug/kg	2.40	0.634	1	A
Chlordane	ND		ug/kg	15.6	6.37	1	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	98		30-150	B
Decachlorobiphenyl	67		30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 14:12
Analyst: DGM
Percent Solids: 78%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	211	13.3	1	A
2,4,5-T	ND		ug/kg	211	6.53	1	A
2,4,5-TP (Silvex)	ND		ug/kg	211	5.60	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	85		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/04/18 18:09
Analyst: BM
Percent Solids: 87%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.77	0.346	1	A
Lindane	ND		ug/kg	0.736	0.329	1	A
Alpha-BHC	ND		ug/kg	0.736	0.209	1	A
Beta-BHC	ND		ug/kg	1.77	0.670	1	A
Heptachlor	ND		ug/kg	0.883	0.396	1	A
Aldrin	ND		ug/kg	1.77	0.622	1	A
Heptachlor epoxide	ND		ug/kg	3.31	0.994	1	A
Endrin	ND		ug/kg	0.736	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.773	1	A
Endrin ketone	ND		ug/kg	1.77	0.455	1	A
Dieldrin	ND		ug/kg	1.10	0.552	1	A
4,4'-DDE	ND		ug/kg	1.77	0.408	1	A
4,4'-DDD	ND		ug/kg	1.77	0.630	1	A
4,4'-DDT	ND		ug/kg	3.31	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.417	1	A
Endosulfan II	ND		ug/kg	1.77	0.590	1	A
Endosulfan sulfate	ND		ug/kg	0.736	0.350	1	A
Methoxychlor	ND		ug/kg	3.31	1.03	1	A
Toxaphene	ND		ug/kg	33.1	9.28	1	A
cis-Chlordane	ND		ug/kg	2.21	0.615	1	A
trans-Chlordane	ND		ug/kg	2.21	0.583	1	A
Chlordane	ND		ug/kg	14.4	5.85	1	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	62		30-150	B
2,4,5,6-Tetrachloro-m-xylene	85		30-150	A
Decachlorobiphenyl	59		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 14:31
Analyst: DGM
Percent Solids: 87%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Chlorinated Herbicides by GC - Westborough Lab							
2,4-D	ND		ug/kg	188	11.9	1	A
2,4,5-T	ND		ug/kg	188	5.84	1	A
2,4,5-TP (Silvex)	ND		ug/kg	188	5.01	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	97		30-150	A
DCAA	85		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 21:32
Analyst: BM
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.378	1	A
Lindane	ND		ug/kg	0.804	0.360	1	A
Alpha-BHC	ND		ug/kg	0.804	0.228	1	A
Beta-BHC	ND		ug/kg	1.93	0.732	1	A
Heptachlor	ND		ug/kg	0.965	0.433	1	A
Aldrin	ND		ug/kg	1.93	0.680	1	A
Heptachlor epoxide	ND		ug/kg	3.62	1.08	1	A
Endrin	ND		ug/kg	0.804	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.41	0.844	1	A
Endrin ketone	ND		ug/kg	1.93	0.497	1	A
Dieldrin	ND		ug/kg	1.21	0.603	1	A
4,4'-DDE	ND		ug/kg	1.93	0.446	1	A
4,4'-DDD	ND		ug/kg	1.93	0.688	1	A
4,4'-DDT	ND		ug/kg	3.62	1.55	1	A
Endosulfan I	ND		ug/kg	1.93	0.456	1	A
Endosulfan II	ND		ug/kg	1.93	0.645	1	A
Endosulfan sulfate	ND		ug/kg	0.804	0.383	1	A
Methoxychlor	ND		ug/kg	3.62	1.12	1	A
Toxaphene	ND		ug/kg	36.2	10.1	1	A
cis-Chlordane	ND		ug/kg	2.41	0.672	1	A
trans-Chlordane	ND		ug/kg	2.41	0.637	1	A
Chlordane	ND		ug/kg	15.7	6.39	1	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		30-150	B
Decachlorobiphenyl	61		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	49		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 14:50
Analyst: DGM
Percent Solids: 78%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	208	13.1	1	A
2,4,5-T	ND		ug/kg	208	6.45	1	A
2,4,5-TP (Silvex)	ND		ug/kg	208	5.54	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	116		30-150	A
DCAA	82		30-150	B

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28
 Client ID: DUP01_COMP_103118
 Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
 Date Received: 10/31/18
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8081B
 Analytical Date: 11/05/18 21:45
 Analyst: BM
 Percent Solids: 90%

Extraction Method: EPA 3546
 Extraction Date: 11/01/18 20:53
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.75	0.342	1	A
Lindane	ND		ug/kg	0.728	0.325	1	A
Alpha-BHC	ND		ug/kg	0.728	0.207	1	A
Beta-BHC	ND		ug/kg	1.75	0.662	1	A
Heptachlor	ND		ug/kg	0.873	0.392	1	A
Aldrin	ND		ug/kg	1.75	0.615	1	A
Heptachlor epoxide	ND		ug/kg	3.28	0.983	1	A
Endrin	ND		ug/kg	0.728	0.298	1	A
Endrin aldehyde	ND		ug/kg	2.18	0.764	1	A
Endrin ketone	ND		ug/kg	1.75	0.450	1	A
Dieldrin	ND		ug/kg	1.09	0.546	1	B
4,4'-DDE	ND		ug/kg	1.75	0.404	1	B
4,4'-DDD	ND		ug/kg	1.75	0.623	1	A
4,4'-DDT	ND		ug/kg	3.28	1.40	1	A
Endosulfan I	ND		ug/kg	1.75	0.413	1	A
Endosulfan II	ND		ug/kg	1.75	0.584	1	A
Endosulfan sulfate	ND		ug/kg	0.728	0.346	1	A
Methoxychlor	ND		ug/kg	3.28	1.02	1	A
Toxaphene	ND		ug/kg	32.8	9.17	1	A
cis-Chlordane	ND		ug/kg	2.18	0.608	1	A
trans-Chlordane	ND		ug/kg	2.18	0.576	1	A
Chlordane	ND		ug/kg	14.2	5.79	1	A

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-28**Date Collected:** 10/31/18 00:00**Client ID:** DUP01_COMP_103118**Date Received:** 10/31/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	65		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	56		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-28
Client ID: DUP01_COMP_103118
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 15:09
Analyst: DGM
Percent Solids: 90%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	182	11.5	1	A
2,4,5-T	ND		ug/kg	182	5.65	1	A
2,4,5-TP (Silvex)	ND		ug/kg	182	4.85	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	110		30-150	A
DCAA	85		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/06/18 16:57
Analyst: BM
Percent Solids: 83%
TCLP/SPLP Ext. Date: 11/01/18 22:49

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 15:42

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	114		30-150	A
Decachlorobiphenyl	158	Q	30-150	A
2,4,5,6-Tetrachloro-m-xylene	99		30-150	B
Decachlorobiphenyl	100		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/05/18 13:34
Analyst: DGM
Percent Solids: 83%
TCLP/SPLP Ext. Date: 11/01/18 22:49
Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
Extraction Date: 11/04/18 01:08

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	47		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 15:28
Analyst: DGM
Percent Solids: 83%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	200	12.6	1	A
2,4,5-T	ND		ug/kg	200	6.20	1	A
2,4,5-TP (Silvex)	ND		ug/kg	200	5.32	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	109		30-150	A
DCAA	88		30-150	B

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30 D
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/07/18 12:16
Analyst: BM
Percent Solids: 83%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/03/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	9.53	1.87	5	A
Lindane	ND		ug/kg	3.97	1.78	5	A
Alpha-BHC	ND		ug/kg	3.97	1.13	5	A
Beta-BHC	ND		ug/kg	9.53	3.62	5	A
Heptachlor	ND		ug/kg	4.77	2.14	5	A
Aldrin	ND		ug/kg	9.53	3.36	5	A
Heptachlor epoxide	ND		ug/kg	17.9	5.36	5	A
Endrin	ND		ug/kg	3.97	1.63	5	A
Endrin aldehyde	ND		ug/kg	11.9	4.17	5	A
Endrin ketone	ND		ug/kg	9.53	2.46	5	A
Dieldrin	ND		ug/kg	5.96	2.98	5	A
4,4'-DDE	ND		ug/kg	9.53	2.20	5	A
4,4'-DDD	ND		ug/kg	9.53	3.40	5	A
4,4'-DDT	ND		ug/kg	17.9	7.67	5	A
Endosulfan I	ND		ug/kg	9.53	2.25	5	A
Endosulfan II	ND		ug/kg	9.53	3.19	5	A
Endosulfan sulfate	ND		ug/kg	3.97	1.89	5	A
Methoxychlor	ND		ug/kg	17.9	5.56	5	A
Toxaphene	ND		ug/kg	179	50.0	5	A
cis-Chlordane	ND		ug/kg	11.9	3.32	5	A
trans-Chlordane	ND		ug/kg	11.9	3.15	5	A
Chlordane	ND		ug/kg	77.5	31.6	5	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30 D
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	110		30-150	B
Decachlorobiphenyl	111		30-150	B
2,4,5,6-Tetrachloro-m-xylene	97		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/04/18 18:22
Analyst: BM
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/01/18 20:53
Cleanup Method: EPA 3620B
Cleanup Date: 11/02/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.78	0.349	1	A
Lindane	ND		ug/kg	0.742	0.332	1	A
Alpha-BHC	ND		ug/kg	0.742	0.211	1	A
Beta-BHC	ND		ug/kg	1.78	0.676	1	A
Heptachlor	ND		ug/kg	0.891	0.400	1	A
Aldrin	ND		ug/kg	1.78	0.627	1	A
Heptachlor epoxide	ND		ug/kg	3.34	1.00	1	A
Endrin	ND		ug/kg	0.742	0.304	1	A
Endrin aldehyde	ND		ug/kg	2.23	0.780	1	A
Endrin ketone	ND		ug/kg	1.78	0.459	1	A
Dieldrin	ND		ug/kg	1.11	0.557	1	A
4,4'-DDE	ND		ug/kg	1.78	0.412	1	A
4,4'-DDD	ND		ug/kg	1.78	0.636	1	A
4,4'-DDT	ND		ug/kg	3.34	1.43	1	A
Endosulfan I	ND		ug/kg	1.78	0.421	1	A
Endosulfan II	ND		ug/kg	1.78	0.596	1	A
Endosulfan sulfate	ND		ug/kg	0.742	0.353	1	A
Methoxychlor	ND		ug/kg	3.34	1.04	1	A
Toxaphene	ND		ug/kg	33.4	9.36	1	A
cis-Chlordane	ND		ug/kg	2.23	0.621	1	A
trans-Chlordane	ND		ug/kg	2.23	0.588	1	A
Chlordane	ND		ug/kg	14.5	5.90	1	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Organochlorine Pesticides by GC - Westborough Lab

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	79		30-150	B
Decachlorobiphenyl	54		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		30-150	A
Decachlorobiphenyl	48		30-150	A

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/02/18 15:47
Analyst: DGM
Percent Solids: 86%
Methylation Date: 11/02/18 09:37

Extraction Method: EPA 8151A
Extraction Date: 11/01/18 16:05

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	192	12.1	1	A
2,4,5-T	ND		ug/kg	192	5.96	1	A
2,4,5-TP (Silvex)	ND		ug/kg	192	5.11	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	111		30-150	A
DCAA	89		30-150	B

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 20:02
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 21:34
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1174579-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.635	0.284	A
Alpha-BHC	ND		ug/kg	0.635	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.578	A
Heptachlor	ND		ug/kg	0.762	0.342	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.857	A
Endrin	ND		ug/kg	0.635	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.667	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	2.86	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.635	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.889	A
Toxaphene	ND		ug/kg	28.6	8.00	A
cis-Chlordane	ND		ug/kg	1.90	0.531	A
trans-Chlordane	ND		ug/kg	1.90	0.503	A
Chlordane	ND		ug/kg	12.4	5.05	A

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/01/18 20:02
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 10/31/18 21:34
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/01/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1174579-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	82		30-150	B
Decachlorobiphenyl	64		30-150	B
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	62		30-150	A

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/02/18 12:57
 Analyst: DGM

Extraction Method: EPA 8151A
 Extraction Date: 11/01/18 16:05

Methylation Date: 11/02/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1174953-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	88		30-150	B

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/05/18 12:19
 Analyst: DGM
 TCLP/SPLP Extraction Date: 11/01/18 22:49
 Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
 Extraction Date: 11/04/18 01:08

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 30 Batch: WG1175758-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	55		30-150	A
DCAA	47		30-150	B

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/06/18 16:19
 Analyst: BM
 TCLP/SPLP Extraction Date: 11/01/18 22:49

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 15:42

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 30 Batch: WG1175837-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	99		30-150	A
Decachlorobiphenyl	89		30-150	A
2,4,5,6-Tetrachloro-m-xylene	103		30-150	B
Decachlorobiphenyl	80		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1174579-2 WG1174579-3									
Delta-BHC	76		74		30-150	3		30	A
Lindane	73		72		30-150	1		30	A
Alpha-BHC	77		76		30-150	1		30	A
Beta-BHC	77		76		30-150	1		30	A
Heptachlor	78		78		30-150	0		30	A
Aldrin	65		65		30-150	0		30	A
Heptachlor epoxide	80		80		30-150	0		30	A
Endrin	83		80		30-150	4		30	A
Endrin aldehyde	63		59		30-150	7		30	A
Endrin ketone	78		76		30-150	3		30	A
Dieldrin	76		72		30-150	5		30	A
4,4'-DDE	60		56		30-150	7		30	A
4,4'-DDD	72		71		30-150	1		30	A
4,4'-DDT	72		70		30-150	3		30	A
Endosulfan I	64		64		30-150	0		30	A
Endosulfan II	76		74		30-150	3		30	A
Endosulfan sulfate	83		74		30-150	11		30	A
Methoxychlor	78		76		30-150	3		30	A
cis-Chlordane	55		56		30-150	2		30	A
trans-Chlordane	55		52		30-150	6		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1174579-2 WG1174579-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	84		80		30-150	B
Decachlorobiphenyl	68		66		30-150	B
2,4,5,6-Tetrachloro-m-xylene	80		77		30-150	A
Decachlorobiphenyl	65		65		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1174953-2 WG1174953-3									
2,4-D	118		113		30-150	4		30	A
2,4,5-T	84		81		30-150	4		30	A
2,4,5-TP (Silvex)	103		90		30-150	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		101		30-150	A
DCAA	90		111		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 30 Batch: WG1175758-2 WG1175758-3									
2,4-D	116		101		30-150	14		25	A
2,4,5-TP (Silvex)	37		30		30-150	21		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	61		60		30-150	A
DCAA	53		48		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 30 Batch: WG1175837-2 WG1175837-3									
Lindane	103		95		30-150	8		20	A
Heptachlor	109		102		30-150	7		20	A
Heptachlor epoxide	119		108		30-150	10		20	A
Endrin	116		107		30-150	8		20	A
Methoxychlor	125		113		30-150	10		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		101		30-150	A
Decachlorobiphenyl	135		118		30-150	A
2,4,5,6-Tetrachloro-m-xylene	116		105		30-150	B
Decachlorobiphenyl	119		105		30-150	B

METALS

Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-01

Date Collected: 10/31/18 09:00

Client ID: COMP06_0-13

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Barium, TCLP	0.597		mg/l	0.500	0.021	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:03	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/06/18 23:43	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-01

Date Collected: 10/31/18 09:00

Client ID: COMP06_0-13

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 89%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	3100		mg/kg	8.79	2.37	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.39	0.334	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Arsenic, Total	2.86		mg/kg	0.879	0.183	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Barium, Total	49.0		mg/kg	0.879	0.153	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Beryllium, Total	0.140	J	mg/kg	0.439	0.029	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.879	0.086	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Calcium, Total	15100		mg/kg	8.79	3.08	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Chromium, Total	8.58		mg/kg	0.879	0.084	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Cobalt, Total	2.58		mg/kg	1.76	0.146	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Copper, Total	5.95		mg/kg	0.879	0.227	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Iron, Total	6680		mg/kg	4.39	0.793	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Lead, Total	37.2		mg/kg	4.39	0.235	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Magnesium, Total	2560		mg/kg	8.79	1.35	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Manganese, Total	201		mg/kg	0.879	0.140	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Mercury, Total	0.241		mg/kg	0.070	0.015	1	11/02/18 07:30	11/02/18 19:24	EPA 7471B	1,7471B	EA
Nickel, Total	8.29		mg/kg	2.20	0.213	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Potassium, Total	787		mg/kg	220	12.6	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.76	0.227	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.879	0.249	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Sodium, Total	182		mg/kg	176	2.77	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.76	0.277	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Vanadium, Total	9.96		mg/kg	0.879	0.178	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB
Zinc, Total	77.7		mg/kg	4.39	0.257	2	11/01/18 22:00	11/02/18 21:59	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-03

Date Collected: 10/31/18 09:15

Client ID: COMP0506_13-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Barium, TCLP	0.232	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:05	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/06/18 23:49	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-03

Date Collected: 10/31/18 09:15

Client ID: COMP0506_13-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	7590		mg/kg	9.69	2.62	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.85	0.368	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Arsenic, Total	2.46		mg/kg	0.969	0.202	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Barium, Total	25.6		mg/kg	0.969	0.169	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Beryllium, Total	0.291	J	mg/kg	0.485	0.032	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.969	0.095	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Calcium, Total	445		mg/kg	9.69	3.39	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Chromium, Total	13.9		mg/kg	0.969	0.093	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Cobalt, Total	4.34		mg/kg	1.94	0.161	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Copper, Total	12.1		mg/kg	0.969	0.250	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Iron, Total	10200		mg/kg	4.85	0.875	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Lead, Total	6.21		mg/kg	4.85	0.260	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Magnesium, Total	2510		mg/kg	9.69	1.49	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Manganese, Total	63.9		mg/kg	0.969	0.154	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.080	0.017	1	11/02/18 07:30	11/02/18 19:26	EPA 7471B	1,7471B	EA
Nickel, Total	10.7		mg/kg	2.42	0.234	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Potassium, Total	603		mg/kg	242	14.0	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Selenium, Total	0.281	J	mg/kg	1.94	0.250	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.969	0.274	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Sodium, Total	164	J	mg/kg	194	3.05	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.94	0.305	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Vanadium, Total	17.7		mg/kg	0.969	0.197	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB
Zinc, Total	34.7		mg/kg	4.85	0.284	2	11/01/18 22:00	11/02/18 22:03	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-08

Date Collected: 10/31/18 12:45

Client ID: COMP07_0-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Barium, TCLP	0.352	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Cadmium, TCLP	0.012	J	mg/l	0.100	0.010	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Lead, TCLP	3.79		mg/l	0.500	0.027	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 22:01	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/06/18 22:31	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-08

Date Collected: 10/31/18 12:45

Client ID: COMP07_0-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 87%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4880		mg/kg	8.72	2.35	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.36	0.331	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Arsenic, Total	7.94		mg/kg	0.872	0.181	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Barium, Total	240		mg/kg	0.872	0.152	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Beryllium, Total	0.200	J	mg/kg	0.436	0.029	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Cadmium, Total	0.471	J	mg/kg	0.872	0.086	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Calcium, Total	40800		mg/kg	8.72	3.05	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Chromium, Total	13.8		mg/kg	0.872	0.084	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Cobalt, Total	3.74		mg/kg	1.74	0.145	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Copper, Total	16.2		mg/kg	0.872	0.225	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Iron, Total	9770		mg/kg	4.36	0.788	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Lead, Total	484		mg/kg	4.36	0.234	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Magnesium, Total	5400		mg/kg	8.72	1.34	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Manganese, Total	304		mg/kg	0.872	0.139	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Mercury, Total	0.726		mg/kg	0.072	0.015	1	11/02/18 07:30	11/02/18 19:28	EPA 7471B	1,7471B	EA
Nickel, Total	10.9		mg/kg	2.18	0.211	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Potassium, Total	1150		mg/kg	218	12.6	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Selenium, Total	1.74		mg/kg	1.74	0.225	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.872	0.247	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Sodium, Total	532		mg/kg	174	2.75	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.74	0.275	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Vanadium, Total	15.3		mg/kg	0.872	0.177	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB
Zinc, Total	437		mg/kg	4.36	0.256	2	11/01/18 22:00	11/02/18 22:07	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-15

Date Collected: 10/31/18 15:50

Client ID: COMP0708_14-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	0.027	J	mg/l	1.00	0.019	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Barium, TCLP	0.185	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:11	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/07/18 00:14	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-15

Date Collected: 10/31/18 15:50

Client ID: COMP0708_14-24

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8680		mg/kg	9.89	2.67	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.95	0.376	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Arsenic, Total	3.14		mg/kg	0.989	0.206	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Barium, Total	18.3		mg/kg	0.989	0.172	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Beryllium, Total	0.247	J	mg/kg	0.495	0.033	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.989	0.097	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Calcium, Total	620		mg/kg	9.89	3.46	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Chromium, Total	11.3		mg/kg	0.989	0.095	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Cobalt, Total	5.26		mg/kg	1.98	0.164	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Copper, Total	11.1		mg/kg	0.989	0.255	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Iron, Total	11900		mg/kg	4.95	0.894	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Lead, Total	9.61		mg/kg	4.95	0.265	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Magnesium, Total	2870		mg/kg	9.89	1.52	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Manganese, Total	92.8		mg/kg	0.989	0.157	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.080	0.017	1	11/02/18 07:30	11/02/18 19:29	EPA 7471B	1,7471B	EA
Nickel, Total	13.1		mg/kg	2.47	0.239	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Potassium, Total	555		mg/kg	247	14.2	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Selenium, Total	0.297	J	mg/kg	1.98	0.255	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.989	0.280	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Sodium, Total	118	J	mg/kg	198	3.12	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.98	0.312	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Vanadium, Total	14.5		mg/kg	0.989	0.201	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB
Zinc, Total	37.4		mg/kg	4.95	0.290	2	11/01/18 22:00	11/02/18 22:11	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28

Date Collected: 10/31/18 00:00

Client ID: DUP01_COMP_103118

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Barium, TCLP	0.625		mg/l	0.500	0.021	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Lead, TCLP	0.107	J	mg/l	0.500	0.027	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 22:06	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/07/18 00:33	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-28

Date Collected: 10/31/18 00:00

Client ID: DUP01_COMP_103118

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4240		mg/kg	8.65	2.33	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.32	0.329	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Arsenic, Total	3.65		mg/kg	0.865	0.180	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Barium, Total	85.9		mg/kg	0.865	0.150	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Beryllium, Total	0.208	J	mg/kg	0.432	0.029	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.865	0.085	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Calcium, Total	27600		mg/kg	8.65	3.03	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Chromium, Total	12.3		mg/kg	0.865	0.083	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Cobalt, Total	4.06		mg/kg	1.73	0.144	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Copper, Total	9.41		mg/kg	0.865	0.223	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Iron, Total	8380		mg/kg	4.32	0.781	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Lead, Total	64.8		mg/kg	4.32	0.232	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Magnesium, Total	3210		mg/kg	8.65	1.33	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Manganese, Total	254		mg/kg	0.865	0.138	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Mercury, Total	0.164		mg/kg	0.070	0.015	1	11/02/18 07:30	11/02/18 19:31	EPA 7471B	1,7471B	EA
Nickel, Total	12.4		mg/kg	2.16	0.209	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Potassium, Total	967		mg/kg	216	12.4	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Selenium, Total	0.389	J	mg/kg	1.73	0.223	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.865	0.245	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Sodium, Total	354		mg/kg	173	2.72	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.73	0.272	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Vanadium, Total	13.8		mg/kg	0.865	0.176	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB
Zinc, Total	100		mg/kg	4.32	0.253	2	11/01/18 22:00	11/02/18 22:15	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-30

Date Collected: 10/31/18 10:40

Client ID: COMP_P1_N_9-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Barium, TCLP	0.396	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Lead, TCLP	0.082	J	mg/l	0.500	0.027	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:13	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/07/18 00:19	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-30

Date Collected: 10/31/18 10:40

Client ID: COMP_P1_N_9-20

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	8660		mg/kg	9.44	2.55	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.72	0.359	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Arsenic, Total	1.96		mg/kg	0.944	0.196	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Barium, Total	33.6		mg/kg	0.944	0.164	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Beryllium, Total	0.189	J	mg/kg	0.472	0.031	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.944	0.093	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Calcium, Total	1020		mg/kg	9.44	3.30	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Chromium, Total	11.2		mg/kg	0.944	0.091	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Cobalt, Total	4.36		mg/kg	1.89	0.157	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Copper, Total	11.0		mg/kg	0.944	0.244	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Iron, Total	11000		mg/kg	4.72	0.853	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Lead, Total	37.5		mg/kg	4.72	0.253	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Magnesium, Total	2830		mg/kg	9.44	1.45	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Manganese, Total	111		mg/kg	0.944	0.150	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Mercury, Total	ND		mg/kg	0.076	0.016	1	11/02/18 07:30	11/02/18 19:42	EPA 7471B	1,7471B	EA
Nickel, Total	12.0		mg/kg	2.36	0.228	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Potassium, Total	563		mg/kg	236	13.6	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Selenium, Total	ND		mg/kg	1.89	0.244	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.944	0.267	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Sodium, Total	148	J	mg/kg	189	2.97	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.89	0.297	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Vanadium, Total	12.8		mg/kg	0.944	0.192	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB
Zinc, Total	35.2		mg/kg	4.72	0.277	2	11/01/18 22:00	11/02/18 22:19	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-31

Date Collected: 10/31/18 15:35

Client ID: COMP08_0-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/01/18 22:49

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Barium, TCLP	0.395	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Cadmium, TCLP	0.015	J	mg/l	0.100	0.010	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Lead, TCLP	1.55		mg/l	0.500	0.027	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 22:08	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/07/18 01:01	EPA 3015	1,6010D	AB



Project Name: 551 GREENWICH ST**Lab Number:** L1844582**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844582-31

Date Collected: 10/31/18 15:35

Client ID: COMP08_0-14

Date Received: 10/31/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4800		mg/kg	9.15	2.47	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Antimony, Total	ND		mg/kg	4.58	0.348	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Arsenic, Total	7.55		mg/kg	0.915	0.190	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Barium, Total	261		mg/kg	0.915	0.159	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Beryllium, Total	0.192	J	mg/kg	0.458	0.030	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Cadmium, Total	0.476	J	mg/kg	0.915	0.090	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Calcium, Total	32900		mg/kg	9.15	3.20	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Chromium, Total	16.2		mg/kg	0.915	0.088	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Cobalt, Total	4.65		mg/kg	1.83	0.152	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Copper, Total	28.4		mg/kg	0.915	0.236	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Iron, Total	13600		mg/kg	4.58	0.826	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Lead, Total	364		mg/kg	4.58	0.245	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Magnesium, Total	3290		mg/kg	9.15	1.41	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Manganese, Total	274		mg/kg	0.915	0.146	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Mercury, Total	0.502		mg/kg	0.074	0.016	1	11/02/18 07:30	11/02/18 19:44	EPA 7471B	1,7471B	EA
Nickel, Total	13.1		mg/kg	2.29	0.221	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Potassium, Total	730		mg/kg	229	13.2	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Selenium, Total	0.421	J	mg/kg	1.83	0.236	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Silver, Total	ND		mg/kg	0.915	0.259	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Sodium, Total	359		mg/kg	183	2.88	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Thallium, Total	ND		mg/kg	1.83	0.288	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Vanadium, Total	15.5		mg/kg	0.915	0.186	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB
Zinc, Total	511		mg/kg	4.58	0.268	2	11/01/18 22:00	11/02/18 22:23	EPA 3050B	1,6010D	AB



Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175055-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Arsenic, Total	0.084	J	mg/kg	0.400	0.083	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Barium, Total	ND		mg/kg	0.400	0.070	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Copper, Total	ND		mg/kg	0.400	0.103	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Iron, Total	0.388	J	mg/kg	2.00	0.361	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Lead, Total	ND		mg/kg	2.00	0.107	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Potassium, Total	ND		mg/kg	100	5.76	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Selenium, Total	ND		mg/kg	0.800	0.103	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Silver, Total	ND		mg/kg	0.400	0.113	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Sodium, Total	ND		mg/kg	80.0	1.26	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/01/18 22:00	11/02/18 21:01	1,6010D	AB

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175117-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	11/02/18 07:30	11/02/18 18:52	1,7471B	EA



Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01,03,15,30 Batch: WG1176509-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Barium, TCLP	ND		mg/l	0.500	0.021	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/06/18 22:02	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/01/18 22:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 08,28,31 Batch: WG1176620-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Barium, TCLP	0.039	J	mg/l	0.500	0.021	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/06/18 19:40	11/06/18 22:22	1,6010D	AB

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/01/18 22:49



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 01,03,15,30 Batch: WG1176944-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 20:54	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 11/01/18 22:49

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 08,28,31 Batch: WG1176959-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:57	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A
TCLP/SPLP Extraction Date: 11/01/18 22:49

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175055-2 SRM Lot Number: D102-540								
Aluminum, Total	72		-		49-150	-		
Antimony, Total	172		-		1-199	-		
Arsenic, Total	105		-		83-117	-		
Barium, Total	93		-		83-118	-		
Beryllium, Total	95		-		83-116	-		
Cadmium, Total	95		-		83-118	-		
Calcium, Total	92		-		82-118	-		
Chromium, Total	99		-		83-117	-		
Cobalt, Total	100		-		84-116	-		
Copper, Total	99		-		84-116	-		
Iron, Total	102		-		61-139	-		
Lead, Total	102		-		82-118	-		
Magnesium, Total	88		-		76-124	-		
Manganese, Total	92		-		82-118	-		
Nickel, Total	99		-		83-117	-		
Potassium, Total	85		-		70-130	-		
Selenium, Total	105		-		79-121	-		
Silver, Total	105		-		80-120	-		
Sodium, Total	93		-		74-126	-		
Thallium, Total	97		-		81-119	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175055-2 SRM Lot Number: D102-540					
Zinc, Total	100	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175117-2 SRM Lot Number: D102-540					
Mercury, Total	106	-	65-134	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 Batch: WG1176509-2					
Arsenic, TCLP	101	-	75-125	-	20
Barium, TCLP	94	-	75-125	-	20
Cadmium, TCLP	100	-	75-125	-	20
Chromium, TCLP	94	-	75-125	-	20
Lead, TCLP	98	-	75-125	-	20
Selenium, TCLP	107	-	75-125	-	20
Silver, TCLP	90	-	75-125	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 Batch: WG1176620-2					
Arsenic, TCLP	92	-	75-125	-	20
Barium, TCLP	88	-	75-125	-	20
Cadmium, TCLP	94	-	75-125	-	20
Chromium, TCLP	86	-	75-125	-	20
Lead, TCLP	90	-	75-125	-	20
Selenium, TCLP	92	-	75-125	-	20
Silver, TCLP	85	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 Batch: WG1176944-2					
Mercury, TCLP	108	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 Batch: WG1176959-2					
Mercury, TCLP	101	-	80-120	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175055-3 QC Sample: L1844557-01 Client ID: MS Sample												
Aluminum, Total	1360	224	1250	0	Q	-	-		75-125	-		20
Antimony, Total	0.503J	55.9	51.3	92		-	-		75-125	-		20
Arsenic, Total	9.19	13.4	18.7	71	Q	-	-		75-125	-		20
Barium, Total	26.1	224	242	96		-	-		75-125	-		20
Beryllium, Total	0.088J	5.59	5.24	94		-	-		75-125	-		20
Cadmium, Total	0.678	5.7	5.90	92		-	-		75-125	-		20
Calcium, Total	10800	1120	8110	0	Q	-	-		75-125	-		20
Chromium, Total	7.25	22.4	25.5	82		-	-		75-125	-		20
Cobalt, Total	1.59	55.9	54.2	94		-	-		75-125	-		20
Copper, Total	15.6	27.9	36.2	74	Q	-	-		75-125	-		20
Iron, Total	3960	112	3160	0	Q	-	-		75-125	-		20
Lead, Total	88.6	57	119	53	Q	-	-		75-125	-		20
Magnesium, Total	908.	1120	2760	166	Q	-	-		75-125	-		20
Manganese, Total	40.2	55.9	75.2	63	Q	-	-		75-125	-		20
Nickel, Total	4.87	55.9	55.1	90		-	-		75-125	-		20
Potassium, Total	289.	1120	1280	89		-	-		75-125	-		20
Selenium, Total	1.06J	13.4	14.4	107		-	-		75-125	-		20
Silver, Total	ND	33.5	35.9	107		-	-		75-125	-		20
Sodium, Total	245.	1120	1320	96		-	-		75-125	-		20
Thallium, Total	1.04J	13.4	12.5	93		-	-		75-125	-		20
Vanadium, Total	8.73	55.9	61.6	94		-	-		75-125	-		20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175055-3 QC Sample: L1844557-01 Client ID: MS Sample									
Zinc, Total	68.6	55.9	81.4	23	Q	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175117-3 QC Sample: L1844509-02 Client ID: MS Sample									
Mercury, Total	0.645	0.131	0.791	111	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 QC Batch ID: WG1176509-3 QC Sample: L1843617-02 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.22	102	-	-	75-125	-	20
Barium, TCLP	0.609	20	19.4	94	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.505	99	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.85	92	-	-	75-125	-	20
Lead, TCLP	0.048J	5.1	4.94	97	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.26	105	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.442	88	-	-	75-125	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 QC Batch ID: WG1176620-3 QC Sample: L1844582-08 Client ID: COMP07_0-14									
Arsenic, TCLP	ND	1.2	1.12	93	-	-	75-125	-	20
Barium, TCLP	0.352J	20	17.5	88	-	-	75-125	-	20
Cadmium, TCLP	0.012J	0.51	0.480	94	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.68	84	-	-	75-125	-	20
Lead, TCLP	3.79	5.1	8.05	84	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.10	92	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.404	81	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 QC Batch ID: WG1176944-3 QC Sample: L1844281-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0250	100	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 QC Batch ID: WG1176959-3 QC Sample: L1844582-08 Client ID: COMP07_0-14									
Mercury, TCLP	ND	0.025	0.0236	94	-	-	80-120	-	20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175055-4 QC Sample: L1844557-01 Client ID: DUP Sample						
Arsenic, Total	9.19	7.24	mg/kg	24	Q	20
Barium, Total	26.1	22.9	mg/kg	13		20
Beryllium, Total	0.088J	0.062J	mg/kg	NC		20
Cadmium, Total	0.678	0.459J	mg/kg	NC		20
Chromium, Total	7.25	7.04	mg/kg	3		20
Copper, Total	15.6	14.9	mg/kg	5		20
Lead, Total	88.6	67.8	mg/kg	27	Q	20
Nickel, Total	4.87	4.80	mg/kg	1		20
Selenium, Total	1.06J	0.766J	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Vanadium, Total	8.73	7.78	mg/kg	12		20
Zinc, Total	68.6	54.5	mg/kg	23	Q	20
Total Metals - Mansfield Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175117-4 QC Sample: L1844509-02 Client ID: DUP Sample						
Mercury, Total	0.645	0.782	mg/kg	19		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 QC Batch ID: WG1176509-4 QC Sample: L1843617-02 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.609	0.580	mg/l	5	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	0.048J	0.047J	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 QC Batch ID: WG1176620-4 QC Sample: L1844582-08 Client ID: COMP07_0-14					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.352J	0.355J	mg/l	NC	20
Cadmium, TCLP	0.012J	0.012J	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	3.79	3.85	mg/l	2	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 01,03,15,30 QC Batch ID: WG1176944-4 QC Sample: L1844281-01 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20

Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 08,28,31 QC Batch ID: WG1176959-4 QC Sample: L1844582-08 Client ID: COMP07_0-14					
Mercury, TCLP	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Fine
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/01/18 08:08	1,1030	GD



Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-01

Client ID: COMP06_0-13

Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:00

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.4		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.23	1	11/01/18 12:25	11/01/18 16:01	1,9010C/9012B	LH
Chromium, Hexavalent	0.246	J	mg/kg	0.895	0.179	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-02
Client ID: WC12_13-15
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	55.9		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-03
Client ID: COMP0506_13-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 09:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.4		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	11/01/18 12:25	11/01/18 16:02	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	1.02	0.204	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-07**Client ID:** WC13_2-4**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 12:35**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.8		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-08
Client ID: COMP07_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 12:45
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.8		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI
Cyanide, Total	0.47	J	mg/kg	1.1	0.24	1	11/01/18 12:25	11/01/18 16:03	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.922	0.184	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-13
Client ID: WC15_1-3
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	88.7		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-14**Client ID:** WC15_20-22**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 14:20**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-15
Client ID: COMP0708_14-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:50
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.1		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/01/18 12:25	11/01/18 16:04	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	1.02	0.205	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-16**Client ID:** EB23_15-17**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 16:00**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.2		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-18
Client ID: WC13_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	84.8		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-19
Client ID: WC13_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:00
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.8		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-20**Client ID:** WC13_20-22**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 13:05**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-21
Client ID: WC13_22-24
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 13:05
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.1		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-22
Client ID: WC14_16-18
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:10
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.3		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-23
Client ID: WC14_18-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:15
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.9		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-24**Client ID:** WC14_20-22**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 11:30**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	87.7		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-25**Client ID:** WC14_22-24**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 10:13**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.9		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-26**Client ID:** WC15_12-14**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 14:20**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.0		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-27**Client ID:** WC14_14-16**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 10:35**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	80.3		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI



Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-28

Client ID: DUP01_COMP_103118

Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 00:00

Date Received: 10/31/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.5		%	0.100	NA	1	-	11/01/18 13:23	121,2540G	RI
Cyanide, Total	0.28	J	mg/kg	1.0	0.22	1	11/01/18 12:25	11/01/18 16:05	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.894	0.179	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST**Project Number:** 190043701**Lab Number:** L1844582**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844582-29**Client ID:** DUP03_GRAB_103118**Sample Location:** MANHATTAN, NY**Date Collected:** 10/31/18 00:00**Date Received:** 10/31/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.8		%	0.100	NA	1	-	11/01/18 13:41	121,2540G	RI



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-30
Client ID: COMP_P1_N_9-20
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 10:40
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.8		%	0.100	NA	1	-	11/01/18 13:41	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.1	0.24	1	11/01/18 12:25	11/01/18 16:06	1,9010C/9012B	LH
pH (H)	7.6		SU	-	NA	1	-	11/01/18 19:29	1,9045D	AS
Chromium, Hexavalent	ND		mg/kg	0.966	0.193	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	11/01/18 19:17	11/01/18 20:59	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	11/01/18 19:17	11/01/18 21:09	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	11/02/18 21:15	1,9095B	AS



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-31
Client ID: COMP08_0-14
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 15:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	85.5		%	0.100	NA	1	-	11/01/18 13:41	121,2540G	RI
Cyanide, Total	0.75	J	mg/kg	1.1	0.24	1	11/01/18 12:25	11/01/18 16:07	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.936	0.187	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-38
Client ID: WC14_12-16
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:25
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	16200		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	15500		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Average)	15800		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
General Chemistry - Westborough Lab										
Solids, Total	71.3		%	0.100	NA	1	-	11/02/18 15:43	121,2540G	RI
Chemical Oxygen Demand	13600		mg/kg	1120	1120	4	11/05/18 20:10	11/05/18 23:03	121,5220D(M)	TL



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-39
Client ID: WC14_18-22
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:30
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	922		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	983		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Average)	952		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
General Chemistry - Westborough Lab										
Solids, Total	80.6		%	0.100	NA	1	-	11/02/18 15:43	121,2540G	RI
Chemical Oxygen Demand	6280		mg/kg	992	992.	4	11/05/18 20:10	11/05/18 23:04	121,5220D(M)	TL



Project Name: 551 GREENWICH ST
Project Number: 190043701

Lab Number: L1844582
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844582-40
Client ID: WC14_24-28
Sample Location: MANHATTAN, NY

Date Collected: 10/31/18 11:35
Date Received: 10/31/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	538		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	590		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Average)	564		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	11/02/18 15:43	121,2540G	RI
Chemical Oxygen Demand	4960		mg/kg	915	915.	4	11/05/18 20:10	11/05/18 23:04	121,5220D(M)	TL



Project Name: 551 GREENWICH ST

Lab Number: L1844582

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1174697-1										
Cyanide, Total	ND		mg/kg	0.95	0.20	1	11/01/18 12:25	11/01/18 15:17	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 30 Batch: WG1175032-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	11/01/18 19:17	11/01/18 21:05	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 30 Batch: WG1175033-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	11/01/18 19:17	11/01/18 20:55	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 01,03,08,15,28,30-31 Batch: WG1175082-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/01/18 22:00	11/02/18 09:28	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 38-40 Batch: WG1176165-1										
Chemical Oxygen Demand	ND		mg/kg	200	200.	1	11/05/18 20:10	11/05/18 23:05	121,5220D(M)	TL
Total Organic Carbon - Mansfield Lab for sample(s): 38-40 Batch: WG1177438-1										
Total Organic Carbon (Rep1)	ND		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	ND		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1174697-2 WG1174697-3								
Cyanide, Total	85		84		80-120	3		35
General Chemistry - Westborough Lab Associated sample(s): 30 Batch: WG1174999-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 30 Batch: WG1175032-2								
Sulfide, Reactive	78		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 30 Batch: WG1175033-2								
Cyanide, Reactive	53		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 Batch: WG1175082-2								
Chromium, Hexavalent	83		-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 38-40 Batch: WG1176165-2								
Chemical Oxygen Demand	108		-		85-115	-		
Total Organic Carbon - Mansfield Lab Associated sample(s): 38-40 Batch: WG1177438-2								
Total Organic Carbon (Rep1)	97		-		75-125	-		25
Total Organic Carbon (Rep2)	81		-		75-125	-		25

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1174697-4 WG1174697-5 QC Sample: L1844557-01 Client ID: MS Sample												
Cyanide, Total	17.	14	23	43	Q	21	29	Q	75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175082-4 QC Sample: L1844582-31 Client ID: COMP08_0-14												
Chromium, Hexavalent	ND	1840	1750	95		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 38-40 QC Batch ID: WG1176165-3 QC Sample: L1844810-22 Client ID: MS Sample												
Chemical Oxygen Demand	6050	2830	8650	92		-	-		75-125	-		20
Total Organic Carbon - Mansfield Lab Associated sample(s): 38-40 QC Batch ID: WG1177438-4 QC Sample: L1844810-21 Client ID: MS Sample												
Total Organic Carbon (Rep1)	10700	10600	26500	148	Q	-	-		75-125	-		25
Total Organic Carbon (Rep2)	13000	9680	22600	99		-	-		75-125	-		25

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 29-31 QC Batch ID: WG1174863-1 QC Sample: L1842961-16 Client ID: DUP Sample						
Solids, Total	78.4	77.3	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 01-03,07-08,13-16,18-28 QC Batch ID: WG1174867-1 QC Sample: L1844582-20 Client ID: WC13_20-22						
Solids, Total	83.1	82.2	%	1		20
General Chemistry - Westborough Lab Associated sample(s): 30 QC Batch ID: WG1174999-2 QC Sample: L1844582-30 Client ID: COMP_P1_N_9-20						
pH (H)	7.6	7.8	SU	3		5
General Chemistry - Westborough Lab Associated sample(s): 30 QC Batch ID: WG1175032-3 QC Sample: L1844528-03 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 30 QC Batch ID: WG1175033-3 QC Sample: L1844528-03 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 01,03,08,15,28,30-31 QC Batch ID: WG1175082-6 QC Sample: L1844582-31 Client ID: COMP08_0-14						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 38-40 QC Batch ID: WG1175379-1 QC Sample: L1844837-03 Client ID: DUP Sample						
Solids, Total	57.2	62.6	%	9		20
General Chemistry - Westborough Lab Associated sample(s): 38-40 QC Batch ID: WG1176165-4 QC Sample: L1844810-22 Client ID: DUP Sample						
Chemical Oxygen Demand	6050	6090	mg/kg	1		20

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST

Project Number: 190043701

Lab Number: L1844582

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Organic Carbon - Mansfield Lab Associated sample(s): 38-40 QC Batch ID: WG1177438-3 QC Sample: L1844810-21 Client ID: DUP Sample					
Total Organic Carbon (Rep1)	10700	12700	mg/kg	17	25
Total Organic Carbon (Rep2)	13000	11700	mg/kg	11	25

Project Name: 551 GREENWICH ST
Project Number: 190043701

Serial_No: 02121916:52
Lab Number: L1844582
Report Date: 02/12/19

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent
B	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844582-01B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-01C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-01X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-01X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L1844582-02A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1844582-02B	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-02C	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-02D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1844582-02E	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJEPH-TPH-CAT1(14)
L1844582-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844582-03B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-03C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

Project Name: 551 GREENWICH ST
Project Number: 190043701

Serial_No: 02121916:52
Lab Number: L1844582
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-03X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L1844582-04A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-05A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-06A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-07A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1844582-07B	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-07C	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-07D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1844582-07E	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJEPH-TPH-CAT1(14)
L1844582-08A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844582-08B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-08C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-08X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L1844582-09A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-10A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-11A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-12A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-13A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-13B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-13C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)

Project Name: 551 GREENWICH ST
Project Number: 190043701

Serial_No: 02121916:52
Lab Number: L1844582
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-13D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-13E	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1844582-14A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-14B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-14C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-14D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-14E	Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		NJEPH-TPH-CAT1(14)
L1844582-15A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844582-15B	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-15C	Glass 500ml/16oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-15X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-15X9	Tumble Vessel	B	NA		3.7	Y	Absent		-
L1844582-16A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-16B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-16C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-16D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-17A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-18A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1844582-18B	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-18C	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-18D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1844582-19A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-19B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)

Project Name: 551 GREENWICH ST
Project Number: 190043701

Serial_No:02121916:52
Lab Number: L1844582
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-19C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-19D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-20A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-20A1	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-20A2	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-20B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-20B1	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-20B2	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-20C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-20C1	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-20D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-20D1	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-20D2	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-21A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-21B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-21C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-21D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-22A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-22B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-22C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-22D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-23A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-23B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-23C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-23D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-24A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-24B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-24C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-24D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-25A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-25B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-25C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-25D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-26A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-26B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-26C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-26D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-27A	Vial MeOH preserved	A	NA		2.5	Y	Absent		NYTCL-8260HLW(14)
L1844582-27B	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-27C	Vial water preserved	A	NA		2.5	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-27D	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1844582-27D1	Plastic 2oz unpreserved for TS	A	NA		2.5	Y	Absent		TS(7)
L1844582-27E	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L1844582-27E9	Vial MeOH preserved split	A	NA		2.5	Y	Absent		TPH-GRO(14)
L1844582-27F	Vial Large Septa unpreserved (4oz)	A	NA		2.5	Y	Absent		TPH-GRO(14),TCLP-EXT-ZHE(14)
L1844582-27G	Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		NJEPH-TPH-CAT1(14)
L1844582-27S	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)
L1844582-27T	Vial unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-VOA(14)
L1844582-28A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844582-28B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-28C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

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Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-28X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-28X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L1844582-29A	Vial MeOH preserved	B	NA		3.7	Y	Absent		NYTCL-8260HLW(14)
L1844582-29B	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-29C	Vial water preserved	B	NA		3.7	Y	Absent	01-NOV-18 13:00	NYTCL-8260HLW(14)
L1844582-29D	Plastic 2oz unpreserved for TS	B	NA		3.7	Y	Absent		TS(7)
L1844582-30A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.5	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844582-30B	Glass 120ml/4oz unpreserved	A	NA		2.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844582-30C	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844582-30D	Glass 500ml/16oz unpreserved	A	NA		2.5	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844582-30D9	Vial MeOH preserved split	A	NA		2.5	Y	Absent		TPH-GRO(14)
L1844582-30W	Amber 1000ml unpreserved Extracts	A	NA		2.5	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1844582-30X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.5	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-30X9	Tumble Vessel	A	NA		2.5	Y	Absent		-
L1844582-31A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)

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Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844582-31B	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-31C	Glass 500ml/16oz unpreserved	B	NA		3.7	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844582-31X	Plastic 120ml HNO3 preserved Extracts	B	NA		3.7	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844582-31X9	Tumble Vessel	B	NA		3.7	Y	Absent		-
L1844582-32A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-33A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-34A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-35A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-38A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		SUB-BOD()
L1844582-38B	Glass 500ml/16oz unpreserved	B	NA		3.7	Y	Absent		A2-TOC-LK-2REPS-PPM(14),COD-5220(28),TS(7)
L1844582-39A	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		SUB-BOD()
L1844582-39B	Glass 500ml/16oz unpreserved	B	NA		3.7	Y	Absent		A2-TOC-LK-2REPS-PPM(14),COD-5220(28),TS(7)
L1844582-40A	Glass 60ml unpreserved split	B	NA		3.7	Y	Absent		SUB-BOD()
L1844582-40A1	Metals Only-Glass 60mL/2oz unpreserved	B	NA		3.7	Y	Absent		SUB-BOD()
L1844582-40B	Glass 500ml/16oz unpreserved	B	NA		3.7	Y	Absent		A2-TOC-LK-2REPS-PPM(14),COD-5220(28),TS(7)
L1844582-41A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-42A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)
L1844582-43A	Glass 120ml/4oz unpreserved	B	NA		3.7	Y	Absent		HOLD-METAL(180)

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GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: DU Report with 'J' Qualifiers



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result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

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REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 13 Determination of Total Organic Carbon in Sediment. U.S. EPA, Region II. July 27, 1988.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.

ID No.:17873

Facility: **Company-wide**

Revision 12

Department: **Quality Assurance**

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Title: **Certificate/Approval Program Summary**

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:**Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E,****SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg.****EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page		Date Rec'd in Lab 11/1/18		ALPHA Job # L1844582			
				1 of 4							
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information				Deliverables				Billing Information	
		Project Name: 551 Greenwich St Project Location: Manhattan, NY Project # 190043701 (Use Project name as Project #) ☐				☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other				☐ Same as Client Info PO #	
Client Information		Regulatory Requirement				Disposal Site Information					
Client: LANGAN Address: 360 West 31st Street 8th Fl. NY, NY Phone: 212-479-5400 Fax: 212-479-5400 Email: pmmahon@langan.com		Project Manager: Paul McMahon ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:				☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS				Sample Filtration	
Please specify Metals or TAL.						Part 375/TCL/TAL SVOCs, PAHs, PCBs, Pesticides Herbicides, Fungicides (Neoprene, Cyanide) Part 375/TCL VOCs, NIEPH TCLP Metals				☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)	
										Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix		Sampler's Initials			
				Date Time							
44582-01		COMPO6-2-10		10/31/18 0900		S		DP		✓	
-02		WC12-13-15		10/31/18 0915		S		DP		✓	
-03		COMPO506-13-20		10/31/18 0915		S		DP		✓	
-04		WC12-2-4		10/31/18 0900		S		DP		✓	
-05		WC12-4-6		10/31/18 0900		S		DP		✓	
-06		WC12-6-8		10/31/18 0900		S		DP		✓	
-07		WC13-2-4		10/31/18 1235		S		DP		✓	
-08		COMPO7-1-10		10/31/18 1245		S		DP		✓	
-09		WC13-2-4		10/31/18 1235						✓	
-10		WC13-6-8		10/31/18 1235						✓	
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type					
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative					
B = HCl		A = Amber Glass									
C = HNO ₃		V = Vial									
D = H ₂ SO ₄		G = Glass									
E = NaOH		B = Bacteria Cup									
F = MeOH		C = Cube									
G = NaHSO ₄		O = Other									
H = Na ₂ S ₂ O ₃		E = Encore									
K/E = Zn Ac/NaOH		D = BOD Bottle									
O = Other											
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By:		Date/Time		Received By:		Date/Time		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
		[Signature]		10/31/18 1615		[Signature]		10/31 1615			
		[Signature]		10/31 2052		[Signature]		11/1/18 0240			

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page		Date Rec'd in Lab		ALPHA Job #									
				3 of 4													
Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288		Project Information Project Name: <u>551 GREENWICH ST</u> Project Location: <u>Manhattan, NY</u> Project # <u>190043701</u> (Use Project name as Project #) ☐				Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other				Billing Information ☐ Same as Client Info PO #							
Client Information Client: <u>LANGAN</u> Address: <u>360 W 3rd St 8th Fl</u> <u>NY / NY</u> Phone: <u>212-479-5400</u> Fax: _____ Email: <u>pmcmahon@langan.com</u>		Project Manager: <u>Paul McMahon</u> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Rush (only if pre approved) ☐ Due Date: _____ # of Days: _____				Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge				Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:						ANALYSIS Pat 375/TCL VOCs NJ EPH, TPH (40) TCLP VOCs						Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles			
Please specify Metals or TAL.						Sample Specific Comments											
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix		Sampler's Initials									
				Date Time													
44582-18		WC13-16-18		10/31 1300		S		DP		✓							
-19		WC13-18-20		1300		S		DP		✓							
-20		WC13-20-22		1305		S		DP		✓							
-21		WC13-22-24		1305		S		DP		✓							
-22		WC14-16-18		1010		S		DP		✓							
-23		WC14-18-20		1015		S		DP		✓							
-24		WC14-20-22		1130		S		DP		✓							
-25		WC14-22-24		1013		S		DP		✓							
-26		WC15-12-14		1420		S		DP		✓							
-27		WC14-14-16		1035		S		DP		✓		✓					
Preservative Code:		Container Code		Westboro: Certification No: MA935		Container Type											
A = None		P = Plastic		Mansfield: Certification No: MA015		Preservative											
B = HCl		A = Amber Glass															
C = HNO ₃		V = Vial															
D = H ₂ SO ₄		G = Glass															
E = NaOH		B = Bacteria Cup															
F = MeOH		C = Cube															
G = NaHSO ₄		O = Other:															
H = Na ₂ S ₂ O ₃		E = Encore															
K/E = Zn Ac/NaOH		D = BOD Bottle															
O = Other																	
Form No: 01-25 HC (rev. 30-Sept-2013)				Relinquished By:		Date/Time		Received By:		Date/Time							
				[Signature]		10/31/13 1615		[Signature]		10/31/13							
				[Signature]		10/31/2012		[Signature]		11/1/13 0840							

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

11844582-

Page 273 of 293

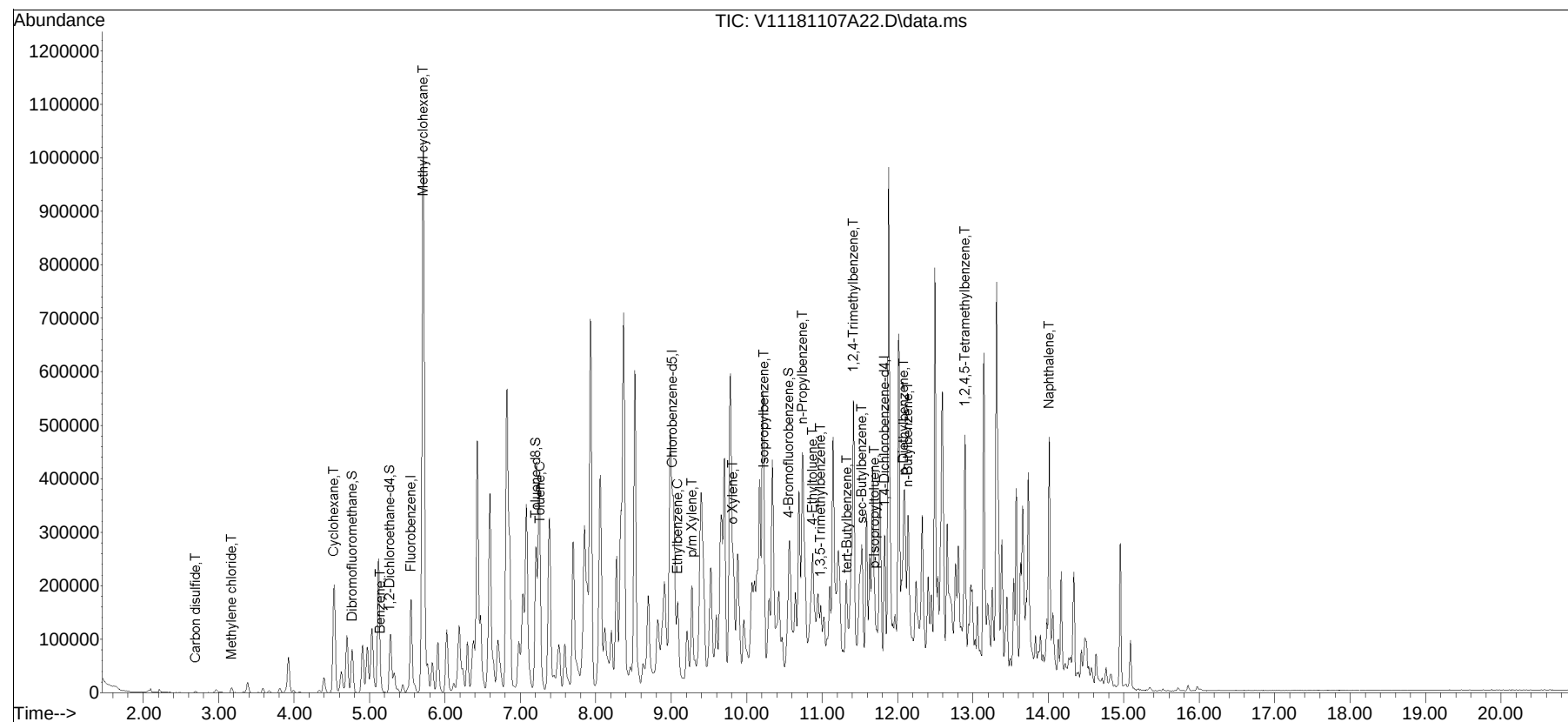
		Subcontract Chain of Custody Envirotec 315 Fullerton Avenue Newburgh, NY 12550		Alpha Job Number L1844582	
Client Information		Project Information		Regulatory Requirements/Report Limits	
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.812.2633 Email: brao@alphalab.com		Project Location: NY Project Manager: Ben Rao Turnaround & Deliverables Information Due Date: 11/08/18 Deliverables:		State/Federal Program: Regulatory Criteria: NJ-NRDCSRS;NJ-RDCSRS;NY-UNRES	
Project Specific Requirements and/or Report Requirements					
Reference following Alpha Job Number on final report/deliverables: L1844582				Report to include Method Blank, LCS/LCSD:	
Additional Comments: Send all results/reports to subreports@alphalab.com and brao@alphalab.com					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WC14_12-16 WC14_18-22 WC14_24-28	10-31-18 11:25 10-31-18 11:30 10-31-18 11:35	SOIL SOIL SOIL	BOD BOD BOD	
Relinquished By:		Date/Time:		Received By:	
<i>Ben Rao</i>		11/05/18 1700			
Form No: AL_subcoc					

Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2018\181107A\
Data File : V11181107A22.D
Acq On : 07 Nov 2018 03:24 pm
Operator : VOA111:MKS
Sample : l1844582-24D,31H,3.99,5,0.025,,a
Misc : WG1176883,ICAL15095
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 07 16:07:46 2018
Quant Method : I:\VOLATILES\VOA111\2018\181107A\V111_180926A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Mon Oct 01 10:26:11 2018
Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox7A\V11181107A02.D•

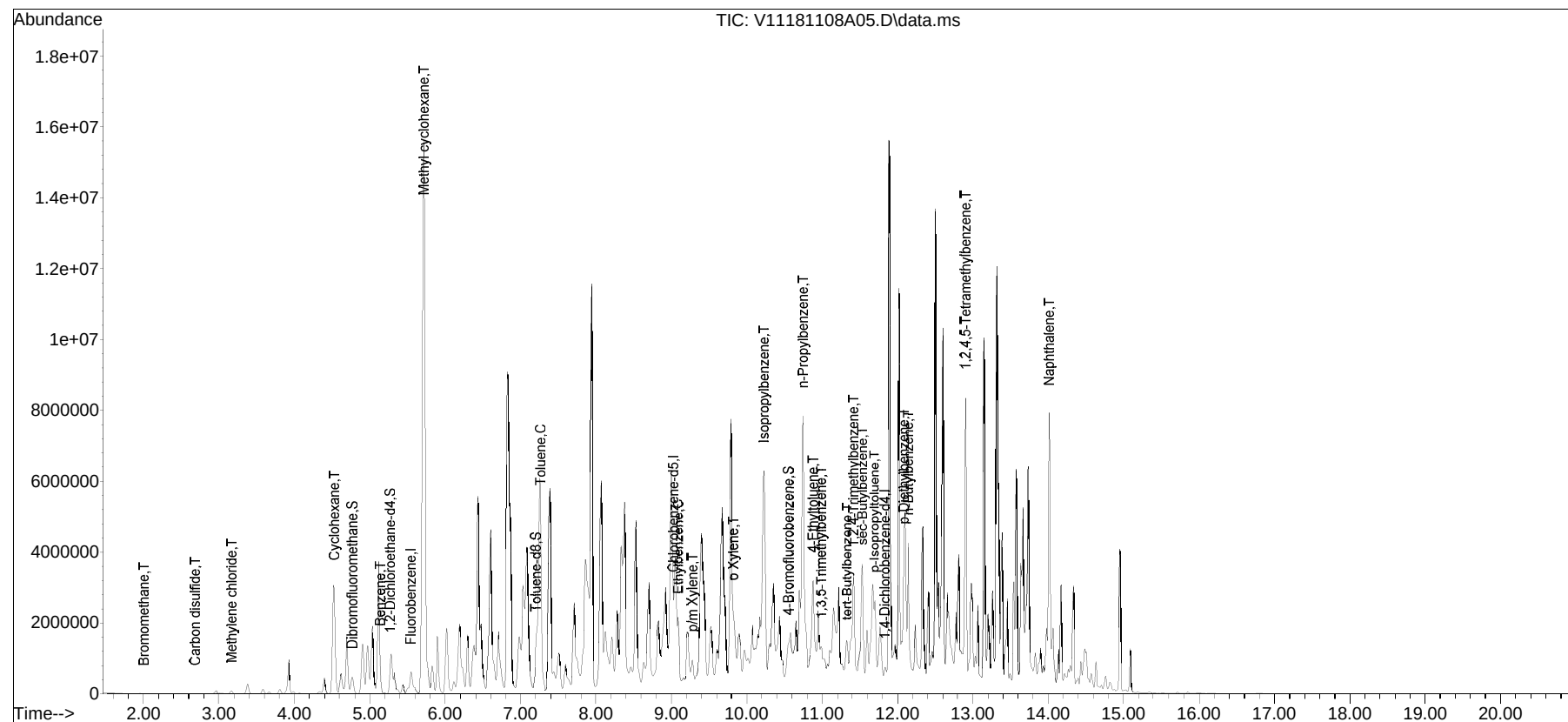


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2018\181108A\
 Data File : V11181108A05.D
 Acq On : 08 Nov 2018 07:55 am
 Operator : VOA111:MV
 Sample : 11844582-27,31H,6.55,5,0.100,,a
 Misc : WG1177336,ICAL15095
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 08 09:06:20 2018
 Quant Method : I:\VOLATILES\VOA111\2018\181108A\V111_180926A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Oct 01 10:26:11 2018
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11181108A01.D•

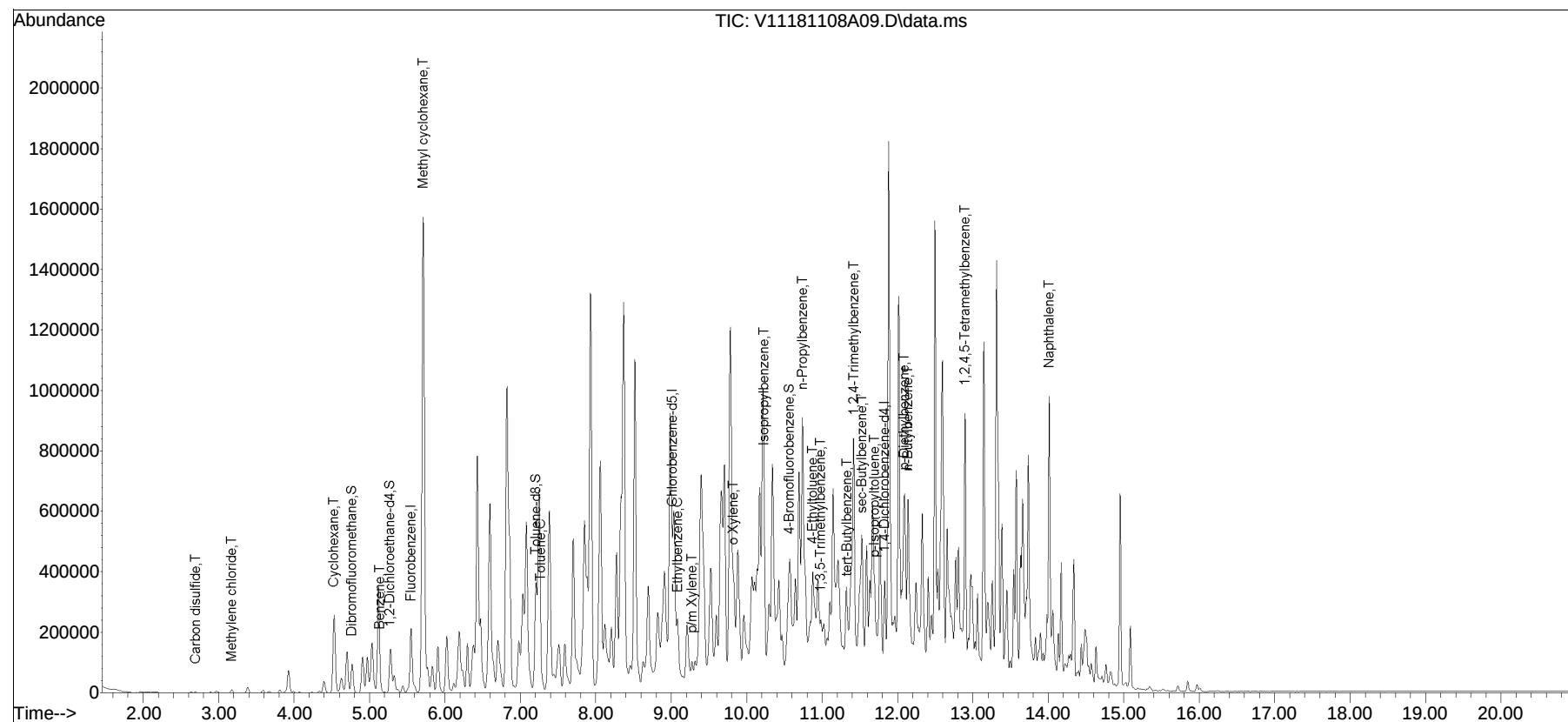


Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES\VOA111\2018\181108A\
 Data File : V11181108A09.D
 Acq On : 08 Nov 2018 09:39 am
 Operator : VOA111:MV
 Sample : 1844582-27D, 31H, 6.55, 5, 0.010, , a
 Misc : WG1177336, ICAL15095
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 08 11:02:06 2018
 Quant Method : I:\VOLATILES\VOA111\2018\181108A\V111_180926A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Oct 01 10:26:11 2018
 Response via : Initial Calibration

Sub List : 8260-CurveSoil - Megamix plus Diox8A\V11181108A01.D•



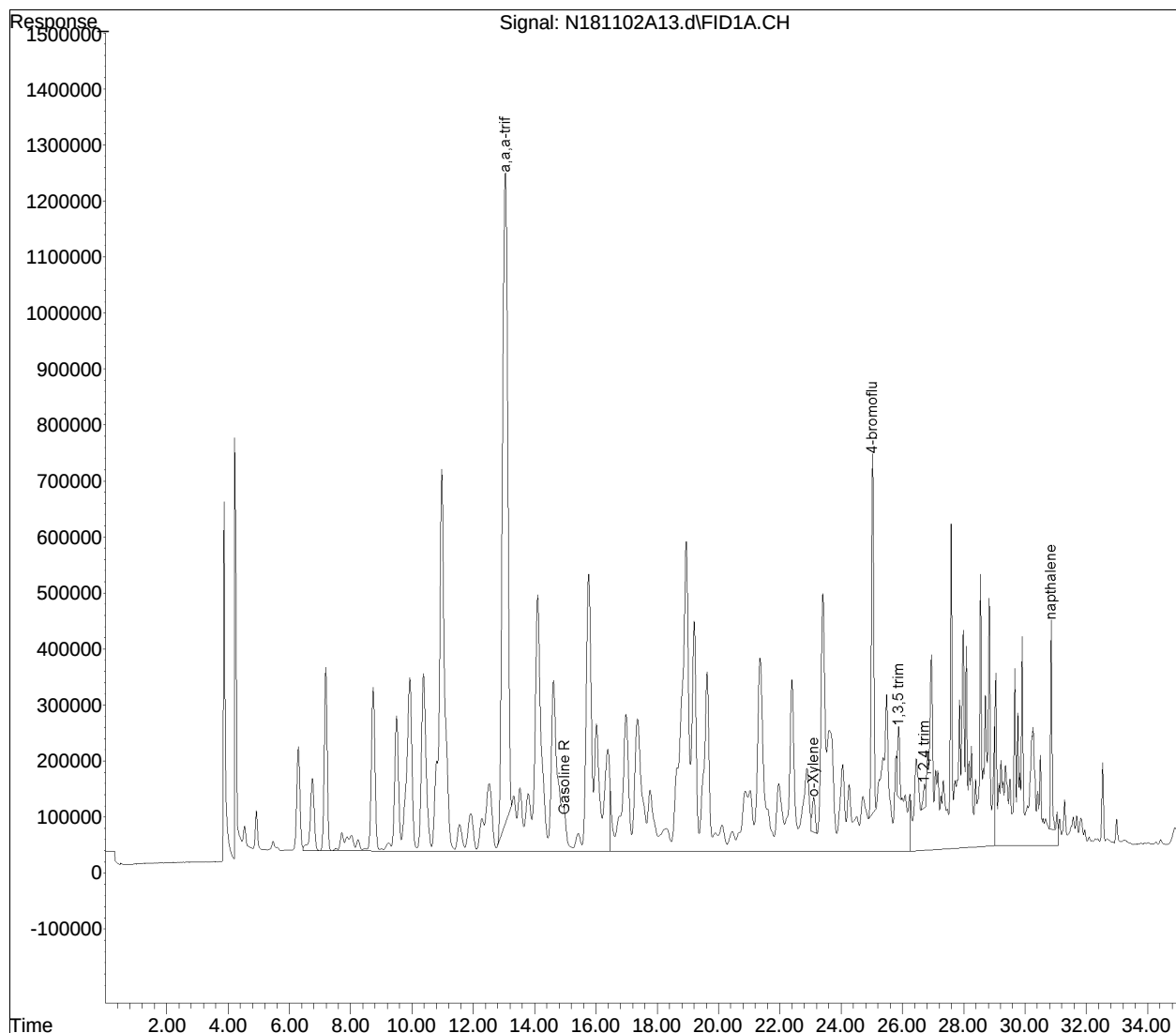
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\NVPH\2018\181102Atphgro\
Data File : N181102A13.d
Signal(s) : FID1A.CH
Acq On : 02 Nov 2018 7:31 pm
Operator : NVPH:MZ
Sample : l1844582-27D,41,5,6.55,0.001,,a
Misc : WG1175711,ICAL14927
ALS Vial : 13 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 03 07:55:42 2018
Quant Method : I:\VOLATILES_GC\NVPH\2018\181102Atphgro\tphgro180709A.m
Quant Title : TPH_GRO
QLast Update : Tue Jul 10 11:04:35 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed





ANALYTICAL REPORT

Job Number: 420-145041-1

SDG Number: L1844582

Job Description: Alpha Analytical, Inc.

For:

Alpha Analytical

8 Walkup Drive

Westborough, MA 01581

Attention: Subcontract Reports

A handwritten signature in black ink that reads "Renee M. Cusack".

Renee Cusack

Lab Director

rcusack@envirotestlaboratories.com

11/14/2018

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com



METHOD SUMMARY

Client: Alpha Analytical

Job Number: 420-145041-1

SDG Number: L1844582

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
5 Day BOD test	EnvTest	SM22 SM 5210B-2011	

Lab References:

EnvTest = EnviroTest

Method References:

SM22 = "Standard Methods for the Examination of Water and Wastewater", 22nd Edition

METHOD / ANALYST SUMMARY

Client: Alpha Analytical

Job Number: 420-145041-1

SDG Number: L1844582

Method	Analyst	Analyst ID
SM22 SM 5210B-2011	Wiedner, Camille	CW
SM SM2540B PSOL	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Alpha Analytical

Job Number: 420-145041-1

SDG Number: L1844582

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-145041-1	WC14_12-16	Solid	10/31/2018 1125	11/06/2018 1102
420-145041-2	WC14_18-22	Solid	10/31/2018 1130	11/06/2018 1102
420-145041-3	WC14_24-28	Solid	10/31/2018 1135	11/06/2018 1102

SAMPLE RESULTS

Subcontract Reports
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

Job Number: 420-145041-1
Sdg Number: L1844582

Client Sample ID: WC14_12-16
Lab Sample ID: 420-145041-1

Date Sampled: 10/31/2018 1125
Date Received: 11/06/2018 1102
Client Matrix: Solid
Percent Solids: 76

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: SM 5210B-2011					
Biochemical Oxygen Demand	280	mg/Kg Dry	77	77	29.24

Subcontract Reports
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

Job Number: 420-145041-1
Sdg Number: L1844582

Client Sample ID: WC14_18-22
Lab Sample ID: 420-145041-2

Date Sampled: 10/31/2018 1130
Date Received: 11/06/2018 1102
Client Matrix: Solid
Percent Solids: 84

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: SM 5210B-2011					
Biochemical Oxygen Demand	260	mg/Kg Dry	71	71	29.91

Subcontract Reports
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

Job Number: 420-145041-1
Sdg Number: L1844582

Client Sample ID: WC14_24-28
Lab Sample ID: 420-145041-3

Date Sampled: 10/31/2018 1135
Date Received: 11/06/2018 1102
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: SM 5210B-2011					
Biochemical Oxygen Demand	130	mg/Kg Dry	130	130	59.29

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Definitions and Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

QUALITY CONTROL RESULTS

Quality Control Results

Client: Alpha Analytical

Job Number: 420-145041-1

Sdg Number: L1844582

Lab Control Spike - Batch: 420-126237**Method: SM 5210B-2011****Preparation: N/A**

Lab Sample ID: LCS 420-126237/1

Analysis Batch: 420-126237

Instrument ID: No Equipment Assigned

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/Kg Dry

Initial Weight/Volume: mL

Date Analyzed: 11/07/2018 1210

Final Weight/Volume: 300 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	170	85	85 - 115	

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

Quality Control Results

Client: Alpha Analytical

Job Number: 420-145041-1

Sdg Number: L1844582

Duplicate - Batch: 420-126205**Method: SM2540B PSOL****Preparation: N/A**

Lab Sample ID: 420-144593-B-2 DU

Analysis Batch: 420-126205

Instrument ID: No Equipment Assigned

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: %

Initial Weight/Volume:

Date Analyzed: 11/06/2018 1645

Final Weight/Volume:

Date Prepared: N/A

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	81	83	2	10	

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

145041

		Subcontract Chain of Custody Envirotech 315 Fullerton Avenue Newburgh, NY 12550		Alpha Job Number L1844582	
Client Information		Project Information		Regulatory Requirements/Report Limits	
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.812.2633 Email: brao@alphalab.com		Project Location: NY Project Manager: Ben Rao Turnaround & Deliverables Information Due Date: 11/08/18 Deliverables:		State/Federal Program: Regulatory Criteria: NJ-NRDCSRS;NJ-RDCSRS;NY-UNRES	
Project Specific Requirements and/or Report Requirements					
Reference following Alpha Job Number on final report/deliverables: L1844582				Report to include Method Blank, LCS/LCSD:	
Additional Comments: Send all results/reports to subreports@alphalab.com and brao@alphalab.com					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	WC14_12-16 WC14_18-22 WC14_24-28	10-31-18 11:25 10-31-18 11:30 10-31-18 11:35	SOIL SOIL SOIL	BOD BOD BOD  420-145041-A-1 WC14_12-16 Date Sampled: 10/31/2018 420-1266658	
		Relinquished By:	Date/Time:	Received By:	Date/Time:
		<i>Ben Rao</i>	11/05/18 1700	<i>Ben Rao</i>	11/16/18 11:02
Form No: AL_subcoc					

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Alpha Analytical

Job Number: 420-145041-1

SDG Number: L1844582

Login Number: 145041

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	13.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	True	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	



ANALYTICAL REPORT

Lab Number:	L1844810
Client:	Langan Engineering & Environmental 21 Penn Plaza 360 W. 31st Street, 8th Floor New York, NY 10001-2727
ATTN:	Paul McMahon
Phone:	(212) 479-5429
Project Name:	551 GREENWICH ST.
Project Number:	190043701
Report Date:	02/12/19

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L1844810-01	WC20_6-8	SOIL	MANHATTAN, NY	11/01/18 08:15	11/01/18
L1844810-02	WC20_18-20	SOIL	MANHATTAN, NY	11/01/18 08:30	11/01/18
L1844810-03	COMP10_0-13	SOIL	MANHATTAN, NY	11/01/18 09:35	11/01/18
L1844810-04	WC20_1-3	SOIL	MANHATTAN, NY	11/01/18 08:20	11/01/18
L1844810-05	WC20_6-8	SOIL	MANHATTAN, NY	11/01/18 08:25	11/01/18
L1844810-06	WC19_1-3	SOIL	MANHATTAN, NY	11/01/18 09:10	11/01/18
L1844810-07	WC19_4-6	SOIL	MANHATTAN, NY	11/01/18 09:15	11/01/18
L1844810-08	WC19_6-8	SOIL	MANHATTAN, NY	11/01/18 09:20	11/01/18
L1844810-09	WC18_6-8	SOIL	MANHATTAN, NY	11/01/18 10:40	11/01/18
L1844810-10	COMP09_0-13	SOIL	MANHATTAN, NY	11/01/18 12:30	11/01/18
L1844810-11	WC18_6-8	SOIL	MANHATTAN, NY	11/01/18 10:45	11/01/18
L1844810-12	WC18_8-10	SOIL	MANHATTAN, NY	11/01/18 10:50	11/01/18
L1844810-13	WC17_1-3	SOIL	MANHATTAN, NY	11/01/18 12:10	11/01/18
L1844810-14	WC17_5-6	SOIL	MANHATTAN, NY	11/01/18 12:15	11/01/18
L1844810-15	WC17_6-8	SOIL	MANHATTAN, NY	11/01/18 12:20	11/01/18
L1844810-16	COMP_PI_S_9-23	SOIL	MANHATTAN, NY	11/01/18 11:30	11/01/18
L1844810-17	COMP0910_13-22	SOIL	MANHATTAN, NY	11/01/18 11:25	11/01/18
L1844810-18	WC18_13-15	SOIL	MANHATTAN, NY	11/01/18 10:55	11/01/18
L1844810-19	EB22_12-14	SOIL	MANHATTAN, NY	11/01/18 13:40	11/01/18
L1844810-20	EB22_23-24	SOIL	MANHATTAN, NY	11/01/18 14:00	11/01/18
L1844810-21	EB21_12-15	SOIL	MANHATTAN, NY	11/01/18 14:45	11/01/18
L1844810-22	EB21_15-22	SOIL	MANHATTAN, NY	11/01/18 14:45	11/01/18
L1844810-23	WC18_16-18	SOIL	MANHATTAN, NY	11/01/18 11:30	11/01/18
L1844810-24	EB21_9-11	SOIL	MANHATTAN, NY	11/01/18 15:45	11/01/18

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

Case Narrative (continued)

Report Revision

February 12, 2019: The Client IDs for L1844810-03 and -10 have been changed.

Report Submission

December 07, 2018: This final report includes the results of all requested analyses.

November 14, 2018: This preliminary report includes the results of the BOD analysis performed on L1844810-21 and -22.

November 08, 2018: This is a preliminary report.

The analysis of BOD was subcontracted. A copy of the laboratory report is included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

L1844810-16: The sample was received without the container for the Gasoline Range Organics analysis. An aliquot was taken from an unpreserved container and preserved appropriately.

Volatile Organics

The WG1177434-6 MS recovery, performed on L1844810-19, is outside the acceptance criteria for 1,4-diethylbenzene (0%). The unacceptable percent recovery is attributed to the elevated concentrations of target compound present in the native sample.

Gasoline Range Organics

L1844810-16: The surrogate recovery is outside the acceptance criteria for 1,1,1-trifluorotoluene (141%);

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Project Number: 190043701

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Case Narrative (continued)

however, the sample was not re-analyzed due to coelution with an obvious interference. A copy of the chromatogram is included as an attachment to this report. The results are not considered to be biased.

Pesticides

L1844810-10: The surrogate recoveries are outside the acceptance criteria for decachlorobiphenyl (644%,492%); however, the sample was not re-extracted due to coelution with obvious interferences.

Total Metals

L1844810-03, -10, -16 and -17: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

Cyanide, Total

The WG1175383-2 LCS recovery (72%), associated with L1844810-10, -16 and -17, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

The WG1176405-3 LCSD recovery (79%), associated with L1844810-03, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

Total Organic Carbon

The WG1177438-4 MS recovery for total organic carbon (rep1) (148%), performed on L1844810-21, is outside the 75-125% acceptance criteria, possibly due to sample matrix. The associated SRM recoveries are within criteria indicating the sample batch was in control, and all sample results were accepted.

Hexavalent Chromium

The WG1175508-2 LCS recovery (76%), associated with L1844810-10, -16 and -17, is outside our in-house acceptance criteria, but within the vendor-certified acceptance limits. The results of the original analyses are reported.

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Case Narrative (continued)

The WG1175508-5 Soluble MS recovery (55%), performed on L1844810-17, was outside the acceptance criteria. This has been attributed to matrix interference. A post-spike was performed with a recovery of 99%.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

 Kelly Stenstrom

Title: Technical Director/Representative

Date: 02/12/19

ORGANICS

VOLATILES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-01
Client ID: WC20_6-8
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:15
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 16:10
Analyst: MKS
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.16	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	ND		ug/kg	0.52	0.21	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.18	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.52	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.52	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-01
 Client ID: WC20_6-8
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:15
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
Xylenes, Total	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.1	0.25	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	16		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	ND		ug/kg	10	2.3	1
Vinyl acetate	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.1	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
2,2-Dichloropropane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,3-Dichloropropane	ND		ug/kg	2.1	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.52	0.14	1
Bromobenzene	ND		ug/kg	2.1	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.18	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.1	0.12	1
o-Chlorotoluene	ND		ug/kg	2.1	0.20	1
p-Chlorotoluene	ND		ug/kg	2.1	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.2	0.18	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.2	0.68	1
Acrylonitrile	ND		ug/kg	4.2	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	21	5.4	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-01
Client ID: WC20_6-8
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:15
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.18	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.1	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.1	0.35	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Acrolein	ND		ug/kg	26	5.9	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	100	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
p-Diethylbenzene	ND		ug/kg	2.1	0.19	1
p-Ethyltoluene	ND		ug/kg	2.1	0.40	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.1	0.20	1
Ethyl ether	ND		ug/kg	2.1	0.36	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.2	1.5	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-02
Client ID: WC20_18-20
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 16:37
Analyst: MKS
Percent Solids: 81%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	0.17	J	ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.51	0.20	1
Chlorobenzene	15		ug/kg	0.51	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	0.17	1
Bromodichloromethane	ND		ug/kg	0.51	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	0.16	1
1,3-Dichloropropene, Total	ND		ug/kg	0.51	0.16	1
1,1-Dichloropropene	ND		ug/kg	0.51	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	0.17	1
Benzene	1.1		ug/kg	0.51	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.59	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.46	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-02
 Client ID: WC20_18-20
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:30
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.51	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.57	1
o-Xylene	ND		ug/kg	1.0	0.29	1
Xylenes, Total	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Dibromomethane	ND		ug/kg	2.0	0.24	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.93	1
Acetone	12		ug/kg	10	4.9	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
Vinyl acetate	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
2,2-Dichloropropane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,3-Dichloropropane	ND		ug/kg	2.0	0.17	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.51	0.13	1
Bromobenzene	ND		ug/kg	2.0	0.15	1
n-Butylbenzene	ND		ug/kg	1.0	0.17	1
sec-Butylbenzene	ND		ug/kg	1.0	0.15	1
tert-Butylbenzene	ND		ug/kg	2.0	0.12	1
o-Chlorotoluene	ND		ug/kg	2.0	0.19	1
p-Chlorotoluene	ND		ug/kg	2.0	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Hexachlorobutadiene	ND		ug/kg	4.0	0.17	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
p-Isopropyltoluene	ND		ug/kg	1.0	0.11	1
Naphthalene	ND		ug/kg	4.0	0.66	1
Acrylonitrile	ND		ug/kg	4.0	1.2	1
Tert-Butyl Alcohol	ND		ug/kg	20	5.2	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-02
Client ID: WC20_18-20
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.0	0.17	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.28	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.20	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.34	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Acrolein	ND		ug/kg	25	5.7	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	100	36.	1
Freon-113	ND		ug/kg	4.0	0.70	1
p-Diethylbenzene	ND		ug/kg	2.0	0.18	1
p-Ethyltoluene	ND		ug/kg	2.0	0.39	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19	1
Ethyl ether	ND		ug/kg	2.0	0.34	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.1	1.4	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	93		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	100		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-09
Client ID: WC18_6-8
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:40
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 17:05
Analyst: MKS
Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.5	2.5	1
1,1-Dichloroethane	ND		ug/kg	1.1	0.16	1
Chloroform	0.18	J	ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.1	0.25	1
1,2-Dichloropropane	ND		ug/kg	1.1	0.14	1
Dibromochloromethane	ND		ug/kg	1.1	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	0.30	1
Tetrachloroethene	ND		ug/kg	0.55	0.22	1
Chlorobenzene	ND		ug/kg	0.55	0.14	1
Trichlorofluoromethane	ND		ug/kg	4.4	0.77	1
1,2-Dichloroethane	ND		ug/kg	1.1	0.28	1
1,1,1-Trichloroethane	ND		ug/kg	0.55	0.18	1
Bromodichloromethane	ND		ug/kg	0.55	0.12	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	0.30	1
cis-1,3-Dichloropropene	ND		ug/kg	0.55	0.17	1
1,3-Dichloropropene, Total	ND		ug/kg	0.55	0.17	1
1,1-Dichloropropene	ND		ug/kg	0.55	0.18	1
Bromoform	ND		ug/kg	4.4	0.27	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.55	0.18	1
Benzene	ND		ug/kg	0.55	0.18	1
Toluene	ND		ug/kg	1.1	0.60	1
Ethylbenzene	ND		ug/kg	1.1	0.16	1
Chloromethane	ND		ug/kg	4.4	1.0	1
Bromomethane	ND		ug/kg	2.2	0.64	1
Vinyl chloride	ND		ug/kg	1.1	0.37	1
Chloroethane	ND		ug/kg	2.2	0.50	1
1,1-Dichloroethene	ND		ug/kg	1.1	0.26	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.15	1

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-09
 Client ID: WC18_6-8
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:40
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.55	0.15	1
1,2-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,3-Dichlorobenzene	ND		ug/kg	2.2	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.2	0.19	1
Methyl tert butyl ether	ND		ug/kg	2.2	0.22	1
p/m-Xylene	ND		ug/kg	2.2	0.62	1
o-Xylene	ND		ug/kg	1.1	0.32	1
Xylenes, Total	ND		ug/kg	1.1	0.32	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	0.19	1
Dibromomethane	ND		ug/kg	2.2	0.26	1
Styrene	ND		ug/kg	1.1	0.22	1
Dichlorodifluoromethane	ND		ug/kg	11	1.0	1
Acetone	7.7	J	ug/kg	11	5.3	1
Carbon disulfide	ND		ug/kg	11	5.0	1
2-Butanone	ND		ug/kg	11	2.4	1
Vinyl acetate	ND		ug/kg	11	2.4	1
4-Methyl-2-pentanone	ND		ug/kg	11	1.4	1
1,2,3-Trichloropropane	ND		ug/kg	2.2	0.14	1
2-Hexanone	ND		ug/kg	11	1.3	1
Bromochloromethane	ND		ug/kg	2.2	0.23	1
2,2-Dichloropropane	ND		ug/kg	2.2	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.1	0.31	1
1,3-Dichloropropane	ND		ug/kg	2.2	0.18	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.55	0.14	1
Bromobenzene	ND		ug/kg	2.2	0.16	1
n-Butylbenzene	ND		ug/kg	1.1	0.18	1
sec-Butylbenzene	ND		ug/kg	1.1	0.16	1
tert-Butylbenzene	ND		ug/kg	2.2	0.13	1
o-Chlorotoluene	ND		ug/kg	2.2	0.21	1
p-Chlorotoluene	ND		ug/kg	2.2	0.12	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.3	1.1	1
Hexachlorobutadiene	ND		ug/kg	4.4	0.19	1
Isopropylbenzene	ND		ug/kg	1.1	0.12	1
p-Isopropyltoluene	ND		ug/kg	1.1	0.12	1
Naphthalene	ND		ug/kg	4.4	0.72	1
Acrylonitrile	ND		ug/kg	4.4	1.3	1
Tert-Butyl Alcohol	ND		ug/kg	22	5.7	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-09
Client ID: WC18_6-8
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:40
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	ND		ug/kg	1.1	0.19	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.2	0.36	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.2	0.30	1
1,3,5-Trimethylbenzene	ND		ug/kg	2.2	0.21	1
1,2,4-Trimethylbenzene	ND		ug/kg	2.2	0.37	1
Methyl Acetate	ND		ug/kg	4.4	1.0	1
Acrolein	ND		ug/kg	28	6.2	1
Cyclohexane	ND		ug/kg	11	0.60	1
1,4-Dioxane	ND		ug/kg	110	39.	1
Freon-113	ND		ug/kg	4.4	0.76	1
p-Diethylbenzene	ND		ug/kg	2.2	0.20	1
p-Ethyltoluene	ND		ug/kg	2.2	0.42	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.2	0.21	1
Ethyl ether	ND		ug/kg	2.2	0.38	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.5	1.6	1
Methyl cyclohexane	ND		ug/kg	4.4	0.67	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	102		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-18
Client ID: WC18_13-15
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:55
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 09:01
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	390	180	1
1,1-Dichloroethane	ND		ug/kg	78	11.	1
Chloroform	ND		ug/kg	120	11.	1
Carbon tetrachloride	ND		ug/kg	78	18.	1
1,2-Dichloropropane	ND		ug/kg	78	9.8	1
Dibromochloromethane	ND		ug/kg	78	11.	1
1,1,2-Trichloroethane	ND		ug/kg	78	21.	1
Tetrachloroethene	ND		ug/kg	39	15.	1
Chlorobenzene	ND		ug/kg	39	10.	1
Trichlorofluoromethane	ND		ug/kg	310	54.	1
1,2-Dichloroethane	ND		ug/kg	78	20.	1
1,1,1-Trichloroethane	ND		ug/kg	39	13.	1
Bromodichloromethane	ND		ug/kg	39	8.5	1
trans-1,3-Dichloropropene	ND		ug/kg	78	21.	1
cis-1,3-Dichloropropene	ND		ug/kg	39	12.	1
1,3-Dichloropropene, Total	ND		ug/kg	39	12.	1
1,1-Dichloropropene	ND		ug/kg	39	12.	1
Bromoform	ND		ug/kg	310	19.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	39	13.	1
Benzene	68		ug/kg	39	13.	1
Toluene	ND		ug/kg	78	42.	1
Ethylbenzene	200		ug/kg	78	11.	1
Chloromethane	ND		ug/kg	310	73.	1
Bromomethane	ND		ug/kg	160	46.	1
Vinyl chloride	ND		ug/kg	78	26.	1
Chloroethane	ND		ug/kg	160	35.	1
1,1-Dichloroethene	ND		ug/kg	78	19.	1
trans-1,2-Dichloroethene	ND		ug/kg	120	11.	1

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-18
 Client ID: WC18_13-15
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:55
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	39	11.	1
1,2-Dichlorobenzene	ND		ug/kg	160	11.	1
1,3-Dichlorobenzene	ND		ug/kg	160	12.	1
1,4-Dichlorobenzene	ND		ug/kg	160	13.	1
Methyl tert butyl ether	ND		ug/kg	160	16.	1
p/m-Xylene	320		ug/kg	160	44.	1
o-Xylene	81		ug/kg	78	23.	1
Xylenes, Total	400		ug/kg	78	23.	1
cis-1,2-Dichloroethene	ND		ug/kg	78	14.	1
Dibromomethane	ND		ug/kg	160	19.	1
Styrene	ND		ug/kg	78	15.	1
Dichlorodifluoromethane	ND		ug/kg	780	72.	1
Acetone	ND		ug/kg	780	380	1
Carbon disulfide	ND		ug/kg	780	360	1
2-Butanone	ND		ug/kg	780	170	1
Vinyl acetate	ND		ug/kg	780	170	1
4-Methyl-2-pentanone	ND		ug/kg	780	100	1
1,2,3-Trichloropropane	ND		ug/kg	160	10.	1
2-Hexanone	ND		ug/kg	780	92.	1
Bromochloromethane	ND		ug/kg	160	16.	1
2,2-Dichloropropane	ND		ug/kg	160	16.	1
1,2-Dibromoethane	ND		ug/kg	78	22.	1
1,3-Dichloropropane	ND		ug/kg	160	13.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	39	10.	1
Bromobenzene	ND		ug/kg	160	11.	1
n-Butylbenzene	92		ug/kg	78	13.	1
sec-Butylbenzene	71	J	ug/kg	78	11.	1
tert-Butylbenzene	17	J	ug/kg	160	9.2	1
o-Chlorotoluene	ND		ug/kg	160	15.	1
p-Chlorotoluene	ND		ug/kg	160	8.5	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	240	78.	1
Hexachlorobutadiene	ND		ug/kg	310	13.	1
Isopropylbenzene	300		ug/kg	78	8.5	1
p-Isopropyltoluene	42	J	ug/kg	78	8.5	1
Naphthalene	660		ug/kg	310	51.	1
Acrylonitrile	ND		ug/kg	310	90.	1
Tert-Butyl Alcohol	ND		ug/kg	1600	400	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-18
Client ID: WC18_13-15
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 10:55
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	450		ug/kg	78	13.	1
1,2,3-Trichlorobenzene	ND		ug/kg	160	25.	1
1,2,4-Trichlorobenzene	ND		ug/kg	160	21.	1
1,3,5-Trimethylbenzene	740		ug/kg	160	15.	1
1,2,4-Trimethylbenzene	2300		ug/kg	160	26.	1
Methyl Acetate	340		ug/kg	310	74.	1
Acrolein	ND		ug/kg	2000	440	1
Cyclohexane	1800		ug/kg	780	43.	1
1,4-Dioxane	ND		ug/kg	7800	2800	1
Freon-113	ND		ug/kg	310	54.	1
p-Diethylbenzene	510		ug/kg	160	14.	1
p-Ethyltoluene	120	J	ug/kg	160	30.	1
1,2,4,5-Tetramethylbenzene	280		ug/kg	160	15.	1
Ethyl ether	ND		ug/kg	160	27.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	390	110	1
Methyl cyclohexane	4100		ug/kg	310	47.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-19 D2
Client ID: EB22_12-14
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 13:40
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/08/18 12:19
Analyst: JC
Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
1,2,4-Trimethylbenzene	650000		ug/kg	14000	2400	100
p-Ethyltoluene	500000		ug/kg	14000	2700	100
Methyl cyclohexane	380000		ug/kg	28000	4200	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	92		70-130

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-19 D

Date Collected: 11/01/18 13:40

Client ID: EB22_12-14

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Analytical Method: 1,8260C

Analytical Date: 11/08/18 10:48

Analyst: JC

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	8800	4000	25
1,1-Dichloroethane	ND		ug/kg	1800	260	25
Chloroform	ND		ug/kg	2600	250	25
Carbon tetrachloride	ND		ug/kg	1800	400	25
1,2-Dichloropropane	ND		ug/kg	1800	220	25
Dibromochloromethane	ND		ug/kg	1800	250	25
1,1,2-Trichloroethane	ND		ug/kg	1800	470	25
Tetrachloroethene	ND		ug/kg	880	340	25
Chlorobenzene	ND		ug/kg	880	220	25
Trichlorofluoromethane	ND		ug/kg	7000	1200	25
1,2-Dichloroethane	ND		ug/kg	1800	450	25
1,1,1-Trichloroethane	ND		ug/kg	880	290	25
Bromodichloromethane	ND		ug/kg	880	190	25
trans-1,3-Dichloropropene	ND		ug/kg	1800	480	25
cis-1,3-Dichloropropene	ND		ug/kg	880	280	25
1,3-Dichloropropene, Total	ND		ug/kg	880	280	25
1,1-Dichloropropene	ND		ug/kg	880	280	25
Bromoform	ND		ug/kg	7000	430	25
1,1,2,2-Tetrachloroethane	ND		ug/kg	880	290	25
Benzene	39000		ug/kg	880	290	25
Toluene	450000		ug/kg	1800	960	25
Ethylbenzene	190000		ug/kg	1800	250	25
Chloromethane	ND		ug/kg	7000	1600	25
Bromomethane	ND		ug/kg	3500	1000	25
Vinyl chloride	ND		ug/kg	1800	590	25
Chloroethane	ND		ug/kg	3500	800	25
1,1-Dichloroethene	ND		ug/kg	1800	420	25
trans-1,2-Dichloroethene	ND		ug/kg	2600	240	25

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-19 D

Date Collected: 11/01/18 13:40

Client ID: EB22_12-14

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	880	240	25
1,2-Dichlorobenzene	ND		ug/kg	3500	250	25
1,3-Dichlorobenzene	ND		ug/kg	3500	260	25
1,4-Dichlorobenzene	ND		ug/kg	3500	300	25
Methyl tert butyl ether	ND		ug/kg	3500	350	25
p/m-Xylene	900000		ug/kg	3500	990	25
o-Xylene	420000		ug/kg	1800	510	25
Xylenes, Total	1300000		ug/kg	1800	510	25
cis-1,2-Dichloroethene	ND		ug/kg	1800	310	25
Dibromomethane	ND		ug/kg	3500	420	25
Styrene	ND		ug/kg	1800	340	25
Dichlorodifluoromethane	ND		ug/kg	18000	1600	25
Acetone	ND		ug/kg	18000	8500	25
Carbon disulfide	ND		ug/kg	18000	8000	25
2-Butanone	ND		ug/kg	18000	3900	25
Vinyl acetate	ND		ug/kg	18000	3800	25
4-Methyl-2-pentanone	ND		ug/kg	18000	2200	25
1,2,3-Trichloropropane	ND		ug/kg	3500	220	25
2-Hexanone	ND		ug/kg	18000	2100	25
Bromochloromethane	ND		ug/kg	3500	360	25
2,2-Dichloropropane	ND		ug/kg	3500	360	25
1,2-Dibromoethane	ND		ug/kg	1800	490	25
1,3-Dichloropropane	ND		ug/kg	3500	290	25
1,1,1,2-Tetrachloroethane	ND		ug/kg	880	230	25
Bromobenzene	ND		ug/kg	3500	260	25
n-Butylbenzene	25000		ug/kg	1800	290	25
sec-Butylbenzene	9300		ug/kg	1800	260	25
tert-Butylbenzene	ND		ug/kg	3500	210	25
o-Chlorotoluene	ND		ug/kg	3500	340	25
p-Chlorotoluene	ND		ug/kg	3500	190	25
1,2-Dibromo-3-chloropropane	ND		ug/kg	5300	1800	25
Hexachlorobutadiene	ND		ug/kg	7000	300	25
Isopropylbenzene	25000		ug/kg	1800	190	25
p-Isopropyltoluene	6000		ug/kg	1800	190	25
Naphthalene	120000		ug/kg	7000	1100	25
Acrylonitrile	ND		ug/kg	7000	2000	25
Tert-Butyl Alcohol	ND		ug/kg	35000	9000	25

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-19 D

Date Collected: 11/01/18 13:40

Client ID: EB22_12-14

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	90000		ug/kg	1800	300	25
1,2,3-Trichlorobenzene	ND		ug/kg	3500	570	25
1,2,4-Trichlorobenzene	ND		ug/kg	3500	480	25
1,3,5-Trimethylbenzene	220000		ug/kg	3500	340	25
1,2,4-Trimethylbenzene	720000	E	ug/kg	3500	590	25
Methyl Acetate	ND		ug/kg	7000	1700	25
Acrolein	ND		ug/kg	44000	9900	25
Cyclohexane	300000		ug/kg	18000	960	25
1,4-Dioxane	ND		ug/kg	180000	62000	25
Freon-113	ND		ug/kg	7000	1200	25
p-Diethylbenzene	230000		ug/kg	3500	310	25
p-Ethyltoluene	550000	E	ug/kg	3500	680	25
1,2,4,5-Tetramethylbenzene	76000		ug/kg	3500	340	25
Ethyl ether	ND		ug/kg	3500	600	25
trans-1,4-Dichloro-2-butene	ND		ug/kg	8800	2500	25
Methyl cyclohexane	540000	E	ug/kg	7000	1100	25

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	110		70-130
4-Bromofluorobenzene	112		70-130
Dibromofluoromethane	83		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-20
Client ID: EB22_23-24
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 14:00
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 17:33
Analyst: MKS
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	ND		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
1,1-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	1.7		ug/kg	0.41	0.14	1
Toluene	9.1		ug/kg	0.82	0.44	1
Ethylbenzene	5.0		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.76	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-20**Date Collected:** 11/01/18 14:00**Client ID:** EB22_23-24**Date Received:** 11/01/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Trichloroethene	ND		ug/kg	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	0.20	J	ug/kg	1.6	0.16	1
p/m-Xylene	20		ug/kg	1.6	0.46	1
o-Xylene	9.8		ug/kg	0.82	0.24	1
Xylenes, Total	30		ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
Dibromomethane	ND		ug/kg	1.6	0.19	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	26		ug/kg	8.2	3.9	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
Vinyl acetate	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
1,2,3-Trichloropropane	ND		ug/kg	1.6	0.10	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
2,2-Dichloropropane	ND		ug/kg	1.6	0.16	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
1,3-Dichloropropane	ND		ug/kg	1.6	0.14	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.41	0.11	1
Bromobenzene	ND		ug/kg	1.6	0.12	1
n-Butylbenzene	0.67	J	ug/kg	0.82	0.14	1
sec-Butylbenzene	0.28	J	ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
o-Chlorotoluene	ND		ug/kg	1.6	0.16	1
p-Chlorotoluene	ND		ug/kg	1.6	0.09	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.82	1
Hexachlorobutadiene	ND		ug/kg	3.3	0.14	1
Isopropylbenzene	0.58	J	ug/kg	0.82	0.09	1
p-Isopropyltoluene	0.12	J	ug/kg	0.82	0.09	1
Naphthalene	5.9		ug/kg	3.3	0.53	1
Acrylonitrile	ND		ug/kg	3.3	0.94	1
Tert-Butyl Alcohol	17		ug/kg	16	4.2	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-20
Client ID: EB22_23-24
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 14:00
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
n-Propylbenzene	2.1		ug/kg	0.82	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	5.4		ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	18		ug/kg	1.6	0.27	1
Methyl Acetate	ND		ug/kg	3.3	0.78	1
Acrolein	ND		ug/kg	20	4.6	1
Cyclohexane	6.9	J	ug/kg	8.2	0.44	1
1,4-Dioxane	ND		ug/kg	82	29.	1
Freon-113	ND		ug/kg	3.3	0.57	1
p-Diethylbenzene	5.8		ug/kg	1.6	0.14	1
p-Ethyltoluene	11		ug/kg	1.6	0.31	1
1,2,4,5-Tetramethylbenzene	2.0		ug/kg	1.6	0.16	1
Ethyl ether	ND		ug/kg	1.6	0.28	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	4.1	1.2	1
Methyl cyclohexane	12		ug/kg	3.3	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	96		70-130
Toluene-d8	96		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	94		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-23
Client ID: WC18_16-18
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/04/18 11:10
Analyst: MM

TCLP/SPLP Ext. Date: 11/02/18 12:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Volatiles by EPA 1311 - Westborough Lab						
Chloroform	5.0	J	ug/l	7.5	2.2	10
Carbon tetrachloride	ND		ug/l	5.0	1.3	10
Tetrachloroethene	ND		ug/l	5.0	1.8	10
Chlorobenzene	ND		ug/l	5.0	1.8	10
1,2-Dichloroethane	ND		ug/l	5.0	1.3	10
Benzene	ND		ug/l	5.0	1.6	10
Vinyl chloride	ND		ug/l	10	0.71	10
1,1-Dichloroethene	ND		ug/l	5.0	1.7	10
Trichloroethene	ND		ug/l	5.0	1.8	10
1,4-Dichlorobenzene	ND		ug/l	25	1.9	10
2-Butanone	ND		ug/l	50	19.	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	99		70-130
dibromofluoromethane	104		70-130

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-24
Client ID: EB21_9-11
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 15:45
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 11/07/18 11:54
Analyst: JC
Percent Solids: 55%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Methylene chloride	ND		ug/kg	590	270	1
1,1-Dichloroethane	ND		ug/kg	120	17.	1
Chloroform	ND		ug/kg	180	17.	1
Carbon tetrachloride	ND		ug/kg	120	27.	1
1,2-Dichloropropane	ND		ug/kg	120	15.	1
Dibromochloromethane	ND		ug/kg	120	17.	1
1,1,2-Trichloroethane	ND		ug/kg	120	32.	1
Tetrachloroethene	32	J	ug/kg	59	23.	1
Chlorobenzene	ND		ug/kg	59	15.	1
Trichlorofluoromethane	ND		ug/kg	470	82.	1
1,2-Dichloroethane	ND		ug/kg	120	30.	1
1,1,1-Trichloroethane	ND		ug/kg	59	20.	1
Bromodichloromethane	ND		ug/kg	59	13.	1
trans-1,3-Dichloropropene	ND		ug/kg	120	32.	1
cis-1,3-Dichloropropene	ND		ug/kg	59	19.	1
1,3-Dichloropropene, Total	ND		ug/kg	59	19.	1
1,1-Dichloropropene	ND		ug/kg	59	19.	1
Bromoform	ND		ug/kg	470	29.	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	59	20.	1
Benzene	86		ug/kg	59	20.	1
Toluene	140		ug/kg	120	64.	1
Ethylbenzene	470		ug/kg	120	17.	1
Chloromethane	ND		ug/kg	470	110	1
Bromomethane	ND		ug/kg	240	69.	1
Vinyl chloride	ND		ug/kg	120	40.	1
Chloroethane	ND		ug/kg	240	54.	1
1,1-Dichloroethene	ND		ug/kg	120	28.	1
trans-1,2-Dichloroethene	ND		ug/kg	180	16.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-24**Date Collected:** 11/01/18 15:45**Client ID:** EB21_9-11**Date Received:** 11/01/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
Trichloroethene	ND		ug/kg	59	16.	1
1,2-Dichlorobenzene	ND		ug/kg	240	17.	1
1,3-Dichlorobenzene	ND		ug/kg	240	18.	1
1,4-Dichlorobenzene	ND		ug/kg	240	20.	1
Methyl tert butyl ether	ND		ug/kg	240	24.	1
p/m-Xylene	1300		ug/kg	240	66.	1
o-Xylene	420		ug/kg	120	34.	1
Xylenes, Total	1700		ug/kg	120	34.	1
cis-1,2-Dichloroethene	ND		ug/kg	120	21.	1
Dibromomethane	ND		ug/kg	240	28.	1
Styrene	ND		ug/kg	120	23.	1
Dichlorodifluoromethane	ND		ug/kg	1200	110	1
Acetone	ND		ug/kg	1200	570	1
Carbon disulfide	ND		ug/kg	1200	540	1
2-Butanone	ND		ug/kg	1200	260	1
Vinyl acetate	ND		ug/kg	1200	260	1
4-Methyl-2-pentanone	ND		ug/kg	1200	150	1
1,2,3-Trichloropropane	ND		ug/kg	240	15.	1
2-Hexanone	ND		ug/kg	1200	140	1
Bromochloromethane	ND		ug/kg	240	24.	1
2,2-Dichloropropane	ND		ug/kg	240	24.	1
1,2-Dibromoethane	ND		ug/kg	120	33.	1
1,3-Dichloropropane	ND		ug/kg	240	20.	1
1,1,1,2-Tetrachloroethane	ND		ug/kg	59	16.	1
Bromobenzene	ND		ug/kg	240	17.	1
n-Butylbenzene	ND		ug/kg	120	20.	1
sec-Butylbenzene	ND		ug/kg	120	17.	1
tert-Butylbenzene	ND		ug/kg	240	14.	1
o-Chlorotoluene	ND		ug/kg	240	23.	1
p-Chlorotoluene	ND		ug/kg	240	13.	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	360	120	1
Hexachlorobutadiene	ND		ug/kg	470	20.	1
Isopropylbenzene	36	J	ug/kg	120	13.	1
p-Isopropyltoluene	ND		ug/kg	120	13.	1
Naphthalene	86	J	ug/kg	470	77.	1
Acrylonitrile	ND		ug/kg	470	140	1
Tert-Butyl Alcohol	ND		ug/kg	2400	610	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-24**Date Collected:** 11/01/18 15:45**Client ID:** EB21_9-11**Date Received:** 11/01/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 High - Westborough Lab						
n-Propylbenzene	89	J	ug/kg	120	20.	1
1,2,3-Trichlorobenzene	ND		ug/kg	240	38.	1
1,2,4-Trichlorobenzene	ND		ug/kg	240	32.	1
1,3,5-Trimethylbenzene	160	J	ug/kg	240	23.	1
1,2,4-Trimethylbenzene	540		ug/kg	240	40.	1
Methyl Acetate	ND		ug/kg	470	110	1
Acrolein	ND		ug/kg	3000	670	1
Cyclohexane	2900		ug/kg	1200	64.	1
1,4-Dioxane	ND		ug/kg	12000	4200	1
Freon-113	ND		ug/kg	470	82.	1
p-Diethylbenzene	58	J	ug/kg	240	21.	1
p-Ethyltoluene	290		ug/kg	240	46.	1
1,2,4,5-Tetramethylbenzene	ND		ug/kg	240	23.	1
Ethyl ether	ND		ug/kg	240	40.	1
trans-1,4-Dichloro-2-butene	ND		ug/kg	590	170	1
Methyl cyclohexane	4400		ug/kg	470	72.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	103		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	95		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/04/18 06:55

Analyst: MM

Extraction Date: 11/02/18 12:16

TCLP/SPLP Extraction Date: 11/02/18 12:16

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Volatiles by EPA 1311 - Westborough Lab for sample(s): 23 Batch: WG1175901-5					
Chloroform	ND		ug/l	7.5	2.2
Carbon tetrachloride	ND		ug/l	5.0	1.3
Tetrachloroethene	ND		ug/l	5.0	1.8
Chlorobenzene	ND		ug/l	5.0	1.8
1,2-Dichloroethane	ND		ug/l	5.0	1.3
Benzene	ND		ug/l	5.0	1.6
Vinyl chloride	ND		ug/l	10	0.71
1,1-Dichloroethene	ND		ug/l	5.0	1.7
Trichloroethene	ND		ug/l	5.0	1.8
1,4-Dichlorobenzene	ND		ug/l	25	1.9
2-Butanone	ND		ug/l	50	19.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	100		70-130
dibromofluoromethane	104		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/07/18 08:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,09,20 Batch: WG1176973-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	0.21	J	ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
1,1-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,09,20 Batch: WG1176973-5					
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Dibromomethane	ND		ug/kg	2.0	0.24
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
Vinyl acetate	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
1,2,3-Trichloropropane	ND		ug/kg	2.0	0.13
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
2,2-Dichloropropane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,3-Dichloropropane	ND		ug/kg	2.0	0.17
1,1,1,2-Tetrachloroethane	ND		ug/kg	0.50	0.13
Bromobenzene	ND		ug/kg	2.0	0.14
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
o-Chlorotoluene	ND		ug/kg	2.0	0.19
p-Chlorotoluene	ND		ug/kg	2.0	0.11

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 11/07/18 08:43
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,09,20 Batch: WG1176973-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Hexachlorobutadiene	ND		ug/kg	4.0	0.17
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
Acrylonitrile	ND		ug/kg	4.0	1.2
Tert-Butyl Alcohol	ND		ug/kg	20	5.1
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33
Methyl Acetate	ND		ug/kg	4.0	0.95
Acrolein	ND		ug/kg	25	5.6
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	100	35.
Freon-113	ND		ug/kg	4.0	0.69
p-Diethylbenzene	ND		ug/kg	2.0	0.18
p-Ethyltoluene	ND		ug/kg	2.0	0.38
1,2,4,5-Tetramethylbenzene	ND		ug/kg	2.0	0.19
Ethyl ether	ND		ug/kg	2.0	0.34
trans-1,4-Dichloro-2-butene	ND		ug/kg	5.0	1.4
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:43

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01-02,09,20 Batch: WG1176973-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	95		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	99		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:09

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24 Batch: WG1177056-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:09

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24 Batch: WG1177056-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:09

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24 Batch: WG1177056-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/07/18 08:09

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 18,24 Batch: WG1177056-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	101		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	97		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:35

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 19 Batch: WG1177434-5					
Methylene chloride	ND		ug/kg	250	110
1,1-Dichloroethane	ND		ug/kg	50	7.2
Chloroform	ND		ug/kg	75	7.0
Carbon tetrachloride	ND		ug/kg	50	12.
1,2-Dichloropropane	ND		ug/kg	50	6.2
Dibromochloromethane	ND		ug/kg	50	7.0
1,1,2-Trichloroethane	ND		ug/kg	50	13.
Tetrachloroethene	ND		ug/kg	25	9.8
Chlorobenzene	ND		ug/kg	25	6.4
Trichlorofluoromethane	ND		ug/kg	200	35.
1,2-Dichloroethane	ND		ug/kg	50	13.
1,1,1-Trichloroethane	ND		ug/kg	25	8.4
Bromodichloromethane	ND		ug/kg	25	5.4
trans-1,3-Dichloropropene	ND		ug/kg	50	14.
cis-1,3-Dichloropropene	ND		ug/kg	25	7.9
1,3-Dichloropropene, Total	ND		ug/kg	25	7.9
1,1-Dichloropropene	ND		ug/kg	25	8.0
Bromoform	ND		ug/kg	200	12.
1,1,2,2-Tetrachloroethane	ND		ug/kg	25	8.3
Benzene	ND		ug/kg	25	8.3
Toluene	ND		ug/kg	50	27.
Ethylbenzene	ND		ug/kg	50	7.0
Chloromethane	ND		ug/kg	200	47.
Bromomethane	ND		ug/kg	100	29.
Vinyl chloride	ND		ug/kg	50	17.
Chloroethane	ND		ug/kg	100	23.
1,1-Dichloroethene	ND		ug/kg	50	12.
trans-1,2-Dichloroethene	ND		ug/kg	75	6.8
Trichloroethene	ND		ug/kg	25	6.8

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:35

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 19 Batch: WG1177434-5					
1,2-Dichlorobenzene	ND		ug/kg	100	7.2
1,3-Dichlorobenzene	ND		ug/kg	100	7.4
1,4-Dichlorobenzene	ND		ug/kg	100	8.6
Methyl tert butyl ether	ND		ug/kg	100	10.
p/m-Xylene	ND		ug/kg	100	28.
o-Xylene	ND		ug/kg	50	14.
Xylenes, Total	ND		ug/kg	50	14.
cis-1,2-Dichloroethene	ND		ug/kg	50	8.8
Dibromomethane	ND		ug/kg	100	12.
Styrene	ND		ug/kg	50	9.8
Dichlorodifluoromethane	ND		ug/kg	500	46.
Acetone	ND		ug/kg	500	240
Carbon disulfide	ND		ug/kg	500	230
2-Butanone	ND		ug/kg	500	110
Vinyl acetate	ND		ug/kg	500	110
4-Methyl-2-pentanone	ND		ug/kg	500	64.
1,2,3-Trichloropropane	ND		ug/kg	100	6.4
2-Hexanone	ND		ug/kg	500	59.
Bromochloromethane	ND		ug/kg	100	10.
2,2-Dichloropropane	ND		ug/kg	100	10.
1,2-Dibromoethane	ND		ug/kg	50	14.
1,3-Dichloropropane	ND		ug/kg	100	8.4
1,1,1,2-Tetrachloroethane	ND		ug/kg	25	6.6
Bromobenzene	ND		ug/kg	100	7.2
n-Butylbenzene	ND		ug/kg	50	8.4
sec-Butylbenzene	ND		ug/kg	50	7.3
tert-Butylbenzene	ND		ug/kg	100	5.9
o-Chlorotoluene	ND		ug/kg	100	9.6
p-Chlorotoluene	ND		ug/kg	100	5.4

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:35

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 19 Batch: WG1177434-5					
1,2-Dibromo-3-chloropropane	ND		ug/kg	150	50.
Hexachlorobutadiene	ND		ug/kg	200	8.4
Isopropylbenzene	ND		ug/kg	50	5.4
p-Isopropyltoluene	ND		ug/kg	50	5.4
Naphthalene	ND		ug/kg	200	32.
Acrylonitrile	ND		ug/kg	200	58.
Tert-Butyl Alcohol	ND		ug/kg	1000	260
n-Propylbenzene	ND		ug/kg	50	8.6
1,2,3-Trichlorobenzene	ND		ug/kg	100	16.
1,2,4-Trichlorobenzene	ND		ug/kg	100	14.
1,3,5-Trimethylbenzene	ND		ug/kg	100	9.6
1,2,4-Trimethylbenzene	ND		ug/kg	100	17.
Methyl Acetate	ND		ug/kg	200	48.
Acrolein	ND		ug/kg	1200	280
Cyclohexane	ND		ug/kg	500	27.
1,4-Dioxane	ND		ug/kg	5000	1800
Freon-113	ND		ug/kg	200	35.
p-Diethylbenzene	ND		ug/kg	100	8.8
p-Ethyltoluene	ND		ug/kg	100	19.
1,2,4,5-Tetramethylbenzene	ND		ug/kg	100	9.6
Ethyl ether	ND		ug/kg	100	17.
trans-1,4-Dichloro-2-butene	ND		ug/kg	250	71.
Methyl cyclohexane	ND		ug/kg	200	30.

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 11/08/18 07:35

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 High - Westborough Lab for sample(s): 19 Batch: WG1177434-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Volatiles by EPA 1311 - Westborough Lab Associated sample(s): 23 Batch: WG1175901-3 WG1175901-4								
Chloroform	100		100		70-130	0		20
Carbon tetrachloride	100		100		63-132	0		20
Tetrachloroethene	94		96		70-130	2		20
Chlorobenzene	99		98		75-130	1		25
1,2-Dichloroethane	100		97		70-130	3		20
Benzene	96		98		70-130	2		25
Vinyl chloride	100		110		55-140	10		20
1,1-Dichloroethene	99		100		61-145	1		25
Trichloroethene	94		97		70-130	3		25
1,4-Dichlorobenzene	96		98		70-130	2		20
2-Butanone	110		110		63-138	0		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		99		70-130
Toluene-d8	101		101		70-130
4-Bromofluorobenzene	99		100		70-130
dibromofluoromethane	99		100		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,09,20 Batch: WG1176973-3 WG1176973-4								
Methylene chloride	107		106		70-130	1		30
1,1-Dichloroethane	102		100		70-130	2		30
Chloroform	103		102		70-130	1		30
Carbon tetrachloride	89		87		70-130	2		30
1,2-Dichloropropane	103		103		70-130	0		30
Dibromochloromethane	82		84		70-130	2		30
1,1,2-Trichloroethane	104		104		70-130	0		30
Tetrachloroethene	82		80		70-130	2		30
Chlorobenzene	88		86		70-130	2		30
Trichlorofluoromethane	141	Q	136		70-139	4		30
1,2-Dichloroethane	97		97		70-130	0		30
1,1,1-Trichloroethane	91		89		70-130	2		30
Bromodichloromethane	94		94		70-130	0		30
trans-1,3-Dichloropropene	92		93		70-130	1		30
cis-1,3-Dichloropropene	95		95		70-130	0		30
1,1-Dichloropropene	96		93		70-130	3		30
Bromoform	79		81		70-130	3		30
1,1,2,2-Tetrachloroethane	100		101		70-130	1		30
Benzene	112		110		70-130	2		30
Toluene	97		95		70-130	2		30
Ethylbenzene	97		95		70-130	2		30
Chloromethane	94		110		52-130	16		30
Bromomethane	149	Q	150	Q	57-147	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,09,20 Batch: WG1176973-3 WG1176973-4								
Vinyl chloride	128		126		67-130	2		30
Chloroethane	138		138		50-151	0		30
1,1-Dichloroethene	99		96		65-135	3		30
trans-1,2-Dichloroethene	100		98		70-130	2		30
Trichloroethene	97		93		70-130	4		30
1,2-Dichlorobenzene	90		89		70-130	1		30
1,3-Dichlorobenzene	88		87		70-130	1		30
1,4-Dichlorobenzene	91		89		70-130	2		30
Methyl tert butyl ether	94		94		66-130	0		30
p/m-Xylene	94		92		70-130	2		30
o-Xylene	87		85		70-130	2		30
cis-1,2-Dichloroethene	101		100		70-130	1		30
Dibromomethane	101		103		70-130	2		30
Styrene	87		85		70-130	2		30
Dichlorodifluoromethane	113		111		30-146	2		30
Acetone	122		123		54-140	1		30
Carbon disulfide	93		90		59-130	3		30
2-Butanone	72		75		70-130	4		30
Vinyl acetate	67	Q	66	Q	70-130	2		30
4-Methyl-2-pentanone	86		88		70-130	2		30
1,2,3-Trichloropropane	101		100		68-130	1		30
2-Hexanone	72		73		70-130	1		30
Bromochloromethane	97		97		70-130	0		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,09,20 Batch: WG1176973-3 WG1176973-4								
2,2-Dichloropropane	92		90		70-130	2		30
1,2-Dibromoethane	97		97		70-130	0		30
1,3-Dichloropropane	102		102		69-130	0		30
1,1,1,2-Tetrachloroethane	82		81		70-130	1		30
Bromobenzene	86		85		70-130	1		30
n-Butylbenzene	100		97		70-130	3		30
sec-Butylbenzene	95		93		70-130	2		30
tert-Butylbenzene	90		88		70-130	2		30
o-Chlorotoluene	84		82		70-130	2		30
p-Chlorotoluene	94		91		70-130	3		30
1,2-Dibromo-3-chloropropane	81		84		68-130	4		30
Hexachlorobutadiene	82		80		67-130	2		30
Isopropylbenzene	93		91		70-130	2		30
p-Isopropyltoluene	91		88		70-130	3		30
Naphthalene	89		90		70-130	1		30
Acrylonitrile	108		110		70-130	2		30
Tert-Butyl Alcohol	86		88		70-130	2		30
n-Propylbenzene	98		95		70-130	3		30
1,2,3-Trichlorobenzene	88		87		70-130	1		30
1,2,4-Trichlorobenzene	88		86		70-130	2		30
1,3,5-Trimethylbenzene	92		90		70-130	2		30
1,2,4-Trimethylbenzene	93		91		70-130	2		30
Methyl Acetate	99		101		51-146	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01-02,09,20 Batch: WG1176973-3 WG1176973-4								
Acrolein	71		70		70-130	1		30
Cyclohexane	90		87		59-142	3		30
1,4-Dioxane	117		122		65-136	4		30
Freon-113	97		94		50-139	3		30
p-Diethylbenzene	87		84		70-130	4		30
p-Ethyltoluene	91		88		70-130	3		30
1,2,4,5-Tetramethylbenzene	84		83		70-130	1		30
Ethyl ether	140	Q	134	Q	67-130	4		30
trans-1,4-Dichloro-2-butene	79		77		70-130	3		30
Methyl cyclohexane	96		94		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		96		70-130
Toluene-d8	97		98		70-130
4-Bromofluorobenzene	103		103		70-130
Dibromofluoromethane	99		98		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24 Batch: WG1177056-3 WG1177056-4								
Methylene chloride	77		78		70-130	1		30
1,1-Dichloroethane	86		85		70-130	1		30
Chloroform	87		84		70-130	4		30
Carbon tetrachloride	80		79		70-130	1		30
1,2-Dichloropropane	89		88		70-130	1		30
Dibromochloromethane	84		86		70-130	2		30
1,1,2-Trichloroethane	88		91		70-130	3		30
Tetrachloroethene	84		83		70-130	1		30
Chlorobenzene	87		86		70-130	1		30
Trichlorofluoromethane	76		75		70-139	1		30
1,2-Dichloroethane	88		89		70-130	1		30
1,1,1-Trichloroethane	84		82		70-130	2		30
Bromodichloromethane	87		87		70-130	0		30
trans-1,3-Dichloropropene	90		92		70-130	2		30
cis-1,3-Dichloropropene	90		91		70-130	1		30
1,1-Dichloropropene	85		84		70-130	1		30
Bromoform	81		84		70-130	4		30
1,1,2,2-Tetrachloroethane	89		92		70-130	3		30
Benzene	85		84		70-130	1		30
Toluene	85		83		70-130	2		30
Ethylbenzene	87		86		70-130	1		30
Chloromethane	76		72		52-130	5		30
Bromomethane	73		72		57-147	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24 Batch: WG1177056-3 WG1177056-4								
Vinyl chloride	76		74		67-130	3		30
Chloroethane	76		75		50-151	1		30
1,1-Dichloroethene	80		79		65-135	1		30
trans-1,2-Dichloroethene	82		82		70-130	0		30
Trichloroethene	84		83		70-130	1		30
1,2-Dichlorobenzene	86		87		70-130	1		30
1,3-Dichlorobenzene	87		86		70-130	1		30
1,4-Dichlorobenzene	87		86		70-130	1		30
Methyl tert butyl ether	90		92		66-130	2		30
p/m-Xylene	86		86		70-130	0		30
o-Xylene	88		88		70-130	0		30
cis-1,2-Dichloroethene	85		85		70-130	0		30
Dibromomethane	86		88		70-130	2		30
Styrene	77		78		70-130	1		30
Dichlorodifluoromethane	54		51		30-146	6		30
Acetone	96		104		54-140	8		30
Carbon disulfide	75		73		59-130	3		30
2-Butanone	92		99		70-130	7		30
Vinyl acetate	86		90		70-130	5		30
4-Methyl-2-pentanone	85		88		70-130	3		30
1,2,3-Trichloropropane	87		91		68-130	4		30
2-Hexanone	92		99		70-130	7		30
Bromochloromethane	86		87		70-130	1		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24 Batch: WG1177056-3 WG1177056-4								
2,2-Dichloropropane	86		85		70-130	1		30
1,2-Dibromoethane	85		89		70-130	5		30
1,3-Dichloropropane	91		93		69-130	2		30
1,1,1,2-Tetrachloroethane	87		88		70-130	1		30
Bromobenzene	86		86		70-130	0		30
n-Butylbenzene	88		86		70-130	2		30
sec-Butylbenzene	87		86		70-130	1		30
tert-Butylbenzene	86		85		70-130	1		30
o-Chlorotoluene	87		88		70-130	1		30
p-Chlorotoluene	89		88		70-130	1		30
1,2-Dibromo-3-chloropropane	78		86		68-130	10		30
Hexachlorobutadiene	82		81		67-130	1		30
Isopropylbenzene	87		86		70-130	1		30
p-Isopropyltoluene	87		86		70-130	1		30
Naphthalene	89		93		70-130	4		30
Acrylonitrile	89		95		70-130	7		30
Tert-Butyl Alcohol	90		94		70-130	4		30
n-Propylbenzene	87		86		70-130	1		30
1,2,3-Trichlorobenzene	90		91		70-130	1		30
1,2,4-Trichlorobenzene	90		90		70-130	0		30
1,3,5-Trimethylbenzene	89		87		70-130	2		30
1,2,4-Trimethylbenzene	89		89		70-130	0		30
Methyl Acetate	96		100		51-146	4		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 18,24 Batch: WG1177056-3 WG1177056-4								
Acrolein	85		85		70-130	0		30
Cyclohexane	81		79		59-142	3		30
1,4-Dioxane	89		91		65-136	2		30
Freon-113	80		78		50-139	3		30
p-Diethylbenzene	84		83		70-130	1		30
p-Ethyltoluene	89		87		70-130	2		30
1,2,4,5-Tetramethylbenzene	88		87		70-130	1		30
Ethyl ether	87		89		67-130	2		30
trans-1,4-Dichloro-2-butene	92		97		70-130	5		30
Methyl cyclohexane	77		75		70-130	3		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	101		103		70-130
Toluene-d8	103		103		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	98		99		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 19 Batch: WG1177434-3 WG1177434-4								
Methylene chloride	87		87		70-130	0		30
1,1-Dichloroethane	93		94		70-130	1		30
Chloroform	96		92		70-130	4		30
Carbon tetrachloride	91		90		70-130	1		30
1,2-Dichloropropane	96		97		70-130	1		30
Dibromochloromethane	92		91		70-130	1		30
1,1,2-Trichloroethane	94		94		70-130	0		30
Tetrachloroethene	93		90		70-130	3		30
Chlorobenzene	93		92		70-130	1		30
Trichlorofluoromethane	81		83		70-139	2		30
1,2-Dichloroethane	93		96		70-130	3		30
1,1,1-Trichloroethane	94		94		70-130	0		30
Bromodichloromethane	94		96		70-130	2		30
trans-1,3-Dichloropropene	98		98		70-130	0		30
cis-1,3-Dichloropropene	100		100		70-130	0		30
1,1-Dichloropropene	97		94		70-130	3		30
Bromoform	88		91		70-130	3		30
1,1,2,2-Tetrachloroethane	97		99		70-130	2		30
Benzene	94		94		70-130	0		30
Toluene	94		92		70-130	2		30
Ethylbenzene	95		94		70-130	1		30
Chloromethane	79		77		52-130	3		30
Bromomethane	80		78		57-147	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 19 Batch: WG1177434-3 WG1177434-4								
Vinyl chloride	80		81		67-130	1		30
Chloroethane	78		79		50-151	1		30
1,1-Dichloroethene	92		90		65-135	2		30
trans-1,2-Dichloroethene	93		92		70-130	1		30
Trichloroethene	92		91		70-130	1		30
1,2-Dichlorobenzene	91		93		70-130	2		30
1,3-Dichlorobenzene	93		93		70-130	0		30
1,4-Dichlorobenzene	92		93		70-130	1		30
Methyl tert butyl ether	100		102		66-130	2		30
p/m-Xylene	94		93		70-130	1		30
o-Xylene	96		95		70-130	1		30
cis-1,2-Dichloroethene	93		95		70-130	2		30
Dibromomethane	93		94		70-130	1		30
Styrene	83		83		70-130	0		30
Dichlorodifluoromethane	60		58		30-146	3		30
Acetone	111		116		54-140	4		30
Carbon disulfide	85		83		59-130	2		30
2-Butanone	98		102		70-130	4		30
Vinyl acetate	95		96		70-130	1		30
4-Methyl-2-pentanone	98		98		70-130	0		30
1,2,3-Trichloropropane	96		96		68-130	0		30
2-Hexanone	104		107		70-130	3		30
Bromochloromethane	93		92		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 19 Batch: WG1177434-3 WG1177434-4								
2,2-Dichloropropane	98		98		70-130	0		30
1,2-Dibromoethane	94		94		70-130	0		30
1,3-Dichloropropane	97		98		69-130	1		30
1,1,1,2-Tetrachloroethane	94		93		70-130	1		30
Bromobenzene	92		94		70-130	2		30
n-Butylbenzene	96		96		70-130	0		30
sec-Butylbenzene	96		96		70-130	0		30
tert-Butylbenzene	95		95		70-130	0		30
o-Chlorotoluene	96		96		70-130	0		30
p-Chlorotoluene	97		98		70-130	1		30
1,2-Dibromo-3-chloropropane	85		93		68-130	9		30
Hexachlorobutadiene	92		92		67-130	0		30
Isopropylbenzene	96		96		70-130	0		30
p-Isopropyltoluene	96		96		70-130	0		30
Naphthalene	103		103		70-130	0		30
Acrylonitrile	96		100		70-130	4		30
Tert-Butyl Alcohol	103		106		70-130	3		30
n-Propylbenzene	96		96		70-130	0		30
1,2,3-Trichlorobenzene	97		99		70-130	2		30
1,2,4-Trichlorobenzene	99		98		70-130	1		30
1,3,5-Trimethylbenzene	96		96		70-130	0		30
1,2,4-Trimethylbenzene	98		99		70-130	1		30
Methyl Acetate	102		106		51-146	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab Associated sample(s): 19 Batch: WG1177434-3 WG1177434-4								
Acrolein	93		96		70-130	3		30
Cyclohexane	91		89		59-142	2		30
1,4-Dioxane	100		99		65-136	1		30
Freon-113	92		90		50-139	2		30
p-Diethylbenzene	93		93		70-130	0		30
p-Ethyltoluene	98		97		70-130	1		30
1,2,4,5-Tetramethylbenzene	96		96		70-130	0		30
Ethyl ether	91		97		67-130	6		30
trans-1,4-Dichloro-2-butene	99		102		70-130	3		30
Methyl cyclohexane	89		87		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	102		104		70-130
Toluene-d8	102		101		70-130
4-Bromofluorobenzene	105		106		70-130
Dibromofluoromethane	97		99		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab ID: EB22_12-14 Associated sample(s): 19 QC Batch ID: WG1177434-6 WG1177434-7 QC Sample: L1844810-19 Client												
Methylene chloride	ND	180000	120000	67	Q	140000	78		70-130	15		30
1,1-Dichloroethane	ND	180000	140000	79		170000	92		70-130	14		30
Chloroform	ND	180000	140000	76		160000	87		70-130	14		30
Carbon tetrachloride	ND	180000	140000	78		160000	91		70-130	15		30
1,2-Dichloropropane	ND	180000	150000	83		170000	95		70-130	14		30
Dibromochloromethane	ND	180000	150000	86		180000	99		70-130	15		30
1,1,2-Trichloroethane	ND	180000	480000	268	Q	500000	277	Q	70-130	3		30
Tetrachloroethene	ND	180000	160000	88		180000	99		70-130	12		30
Chlorobenzene	ND	180000	160000	86		170000	97		70-130	12		30
Trichlorofluoromethane	ND	180000	130000	73		150000	82		70-139	12		30
1,2-Dichloroethane	ND	180000	140000	76		160000	89		70-130	16		30
1,1,1-Trichloroethane	ND	180000	140000	79		170000	92		70-130	15		30
Bromodichloromethane	ND	180000	140000	80		170000	92		70-130	14		30
trans-1,3-Dichloropropene	ND	180000	170000	93		190000	107		70-130	13		30
cis-1,3-Dichloropropene	ND	180000	150000	85		180000	99		70-130	15		30
1,1-Dichloropropene	ND	180000	150000	86		180000	98		70-130	13		30
Bromoform	ND	180000	150000	84		180000	98		70-130	15		30
1,1,2,2-Tetrachloroethane	ND	180000	160000	91		190000	104		70-130	14		30
Benzene	39000	180000	180000	78		200000	90		70-130	11		30
Toluene	450000	180000	610000	86		620000	94		70-130	2		30
Ethylbenzene	190000	180000	350000	91		370000	99		70-130	4		30
Chloromethane	ND	180000	120000	67		140000	77		52-130	13		30
Bromomethane	ND	180000	110000	62		130000	72		57-147	15		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab ID: EB22_12-14 Associated sample(s): 19 QC Batch ID: WG1177434-6 WG1177434-7 QC Sample: L1844810-19 Client												
Vinyl chloride	ND	180000	130000	73		150000	82		67-130	11		30
Chloroethane	ND	180000	130000	72		140000	80		50-151	11		30
1,1-Dichloroethene	ND	180000	140000	78		160000	91		65-135	15		30
trans-1,2-Dichloroethene	ND	180000	140000	77		160000	89		70-130	14		30
Trichloroethene	ND	180000	160000	91		180000	102		70-130	12		30
1,2-Dichlorobenzene	ND	180000	150000	82		170000	93		70-130	13		30
1,3-Dichlorobenzene	ND	180000	150000	83		170000	93		70-130	12		30
1,4-Dichlorobenzene	ND	180000	150000	82		170000	92		70-130	12		30
Methyl tert butyl ether	ND	180000	140000	80		170000	93		66-130	15		30
p/m-Xylene	900000	350000	1200000	94		1200000	97		70-130	1		30
o-Xylene	420000	350000	760000	98		800000	108		70-130	5		30
cis-1,2-Dichloroethene	ND	180000	140000	77		160000	88		70-130	14		30
Dibromomethane	ND	180000	140000	78		160000	91		70-130	15		30
Styrene	ND	350000	290000	84		330000	95		70-130	12		30
Dichlorodifluoromethane	ND	180000	92000	51		110000	59		30-146	14		30
Acetone	ND	180000	140000	79		170000	92		54-140	15		30
Carbon disulfide	ND	180000	130000	73		150000	85		59-130	15		30
2-Butanone	ND	180000	390000	217	Q	410000	229	Q	70-130	5		30
Vinyl acetate	ND	180000	160000	86		180000	101		70-130	16		30
4-Methyl-2-pentanone	ND	180000	180000	102		210000	118		70-130	15		30
1,2,3-Trichloropropane	ND	180000	170000	97		200000	111		68-130	14		30
2-Hexanone	ND	180000	190000	106		220000	122		70-130	14		30
Bromochloromethane	ND	180000	130000	74		150000	86		70-130	14		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab ID: EB22_12-14 Associated sample(s): 19 QC Batch ID: WG1177434-6 WG1177434-7 QC Sample: L1844810-19 Client												
2,2-Dichloropropane	ND	180000	150000	86		180000	98		70-130	14		30
1,2-Dibromoethane	ND	180000	160000	87		180000	100		70-130	14		30
1,3-Dichloropropane	ND	180000	160000	88		180000	101		69-130	13		30
1,1,1,2-Tetrachloroethane	ND	180000	160000	88		180000	100		70-130	12		30
Bromobenzene	ND	180000	150000	83		170000	94		70-130	12		30
n-Butylbenzene	25000	180000	200000	95		210000	105		70-130	9		30
sec-Butylbenzene	9300	180000	170000	90		190000	102		70-130	11		30
tert-Butylbenzene	ND	180000	160000	90		180000	101		70-130	12		30
o-Chlorotoluene	ND	180000	160000	88		180000	98		70-130	11		30
p-Chlorotoluene	ND	180000	160000	88		180000	99		70-130	12		30
1,2-Dibromo-3-chloropropane	ND	180000	160000	87		190000	103		68-130	16		30
Hexachlorobutadiene	ND	180000	160000	87		180000	98		67-130	13		30
Isopropylbenzene	25000	180000	190000	91		210000	102		70-130	10		30
p-Isopropyltoluene	6000	180000	190000	100		210000	110		70-130	10		30
Naphthalene	120000	180000	280000	89		300000	102		70-130	8		30
Acrylonitrile	ND	180000	270000	148	Q	290000	160	Q	70-130	8		30
Tert-Butyl Alcohol	ND	880000	730000	83		860000	98		70-130	17		30
n-Propylbenzene	90000	180000	260000	92		270000	100		70-130	6		30
1,2,3-Trichlorobenzene	ND	180000	150000	84		170000	96		70-130	12		30
1,2,4-Trichlorobenzene	ND	180000	160000	87		170000	97		70-130	10		30
1,3,5-Trimethylbenzene	220000	180000	380000	87		390000	95		70-130	4		30
1,2,4-Trimethylbenzene	720000	180000	860000	78		860000	76		70-130	0		30
Methyl Acetate	ND	180000	150000	82		170000	96		51-146	16		30

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 High - Westborough Lab ID: EB22_12-14 Associated sample(s): 19 QC Batch ID: WG1177434-6 WG1177434-7 QC Sample: L1844810-19 Client												
Acrolein	ND	180000	430000	240	Q	460000	253	Q	70-130	5		30
Cyclohexane	300000	180000	450000	81		460000	91		59-142	4		30
1,4-Dioxane	ND	8800000	7300000	83		8300000	95		65-136	13		30
Freon-113	ND	180000	140000	79		170000	92		50-139	14		30
p-Diethylbenzene	230000	180000	190000	0	Q	230000	2	Q	70-130	22		30
p-Ethyltoluene	550000	180000	690000	77		690000	77		70-130	0		30
1,2,4,5-Tetramethylbenzene	76000	180000	240000	92		260000	100		70-130	6		30
Ethyl ether	ND	180000	130000	73		150000	82		67-130	12		30
trans-1,4-Dichloro-2-butene	ND	180000	170000	93		200000	109		70-130	15		30
Methyl cyclohexane	540000	180000	700000	89		720000	99		70-130	2		30

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		114		70-130
4-Bromofluorobenzene	114		114		70-130
Dibromofluoromethane	87		87		70-130
Toluene-d8	109		103		70-130

SEMIVOLATILES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 19:32
Analyst: EK
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	150	20.	1
Benzidine	ND		ug/kg	630	200	1
1,2,4-Trichlorobenzene	ND		ug/kg	190	22.	1
Hexachlorobenzene	ND		ug/kg	110	21.	1
Bis(2-chloroethyl)ether	ND		ug/kg	170	26.	1
2-Chloronaphthalene	ND		ug/kg	190	19.	1
1,2-Dichlorobenzene	ND		ug/kg	190	34.	1
1,3-Dichlorobenzene	ND		ug/kg	190	33.	1
1,4-Dichlorobenzene	ND		ug/kg	190	33.	1
3,3'-Dichlorobenzidine	ND		ug/kg	190	50.	1
2,4-Dinitrotoluene	ND		ug/kg	190	38.	1
2,6-Dinitrotoluene	ND		ug/kg	190	32.	1
Azobenzene	ND		ug/kg	190	18.	1
Fluoranthene	1100		ug/kg	110	22.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	190	20.	1
4-Bromophenyl phenyl ether	ND		ug/kg	190	29.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	230	32.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	200	19.	1
Hexachlorobutadiene	ND		ug/kg	190	28.	1
Hexachlorocyclopentadiene	ND		ug/kg	540	170	1
Hexachloroethane	ND		ug/kg	150	31.	1
Isophorone	ND		ug/kg	170	25.	1
Naphthalene	25	J	ug/kg	190	23.	1
Nitrobenzene	ND		ug/kg	170	28.	1
NDPA/DPA	ND		ug/kg	150	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	190	29.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	190	66.	1
Butyl benzyl phthalate	ND		ug/kg	190	48.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-03
 Client ID: COMP10_0-13
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	190	36.	1
Di-n-octylphthalate	ND		ug/kg	190	64.	1
Diethyl phthalate	ND		ug/kg	190	18.	1
Dimethyl phthalate	ND		ug/kg	190	40.	1
Benzo(a)anthracene	440		ug/kg	110	21.	1
Benzo(a)pyrene	460		ug/kg	150	46.	1
Benzo(b)fluoranthene	690		ug/kg	110	32.	1
Benzo(k)fluoranthene	220		ug/kg	110	30.	1
Chrysene	510		ug/kg	110	20.	1
Acenaphthylene	110	J	ug/kg	150	29.	1
Anthracene	76	J	ug/kg	110	37.	1
Benzo(ghi)perylene	280		ug/kg	150	22.	1
Fluorene	26	J	ug/kg	190	18.	1
Phenanthrene	570		ug/kg	110	23.	1
Dibenzo(a,h)anthracene	76	J	ug/kg	110	22.	1
Indeno(1,2,3-cd)pyrene	320		ug/kg	150	26.	1
Pyrene	860		ug/kg	110	19.	1
Biphenyl	ND		ug/kg	430	44.	1
4-Chloroaniline	ND		ug/kg	190	34.	1
2-Nitroaniline	ND		ug/kg	190	37.	1
3-Nitroaniline	ND		ug/kg	190	36.	1
4-Nitroaniline	ND		ug/kg	190	79.	1
Dibenzofuran	18	J	ug/kg	190	18.	1
2-Methylnaphthalene	ND		ug/kg	230	23.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	190	20.	1
Acetophenone	ND		ug/kg	190	24.	1
n-Nitrosodimethylamine	ND		ug/kg	380	36.	1
2,4,6-Trichlorophenol	ND		ug/kg	110	36.	1
p-Chloro-m-cresol	ND		ug/kg	190	28.	1
2-Chlorophenol	ND		ug/kg	190	22.	1
2,4-Dichlorophenol	ND		ug/kg	170	30.	1
2,4-Dimethylphenol	ND		ug/kg	190	63.	1
2-Nitrophenol	ND		ug/kg	410	71.	1
4-Nitrophenol	ND		ug/kg	260	77.	1
2,4-Dinitrophenol	ND		ug/kg	910	88.	1
4,6-Dinitro-o-cresol	ND		ug/kg	490	91.	1
Pentachlorophenol	ND		ug/kg	150	42.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	190	29.	1
2-Methylphenol	ND		ug/kg	190	29.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	270	30.	1
2,4,5-Trichlorophenol	ND		ug/kg	190	36.	1
Benzoic Acid	ND		ug/kg	620	190	1
Benzyl Alcohol	ND		ug/kg	190	58.	1
Carbazole	54	J	ug/kg	190	18.	1
Atrazine	ND		ug/kg	150	66.	1
Benzaldehyde	ND		ug/kg	250	51.	1
Caprolactam	ND		ug/kg	190	58.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	190	38.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	82		25-120
Phenol-d6	90		10-120
Nitrobenzene-d5	98		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	81		10-136
4-Terphenyl-d14	53		18-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 16:11
Analyst: SZ
Percent Solids: 79%
TCLP/SPLP Ext. Date: 11/02/18 06:22

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	68		21-120
Phenol-d6	63		10-120
Nitrobenzene-d5	68		23-120
2-Fluorobiphenyl	72		15-120
2,4,6-Tribromophenol	74		10-120
4-Terphenyl-d14	81		33-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 19:57
Analyst: EK
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	36	J	ug/kg	160	21.	1
Benzidine	ND		ug/kg	680	220	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	24.	1
Hexachlorobenzene	ND		ug/kg	120	23.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	28.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	37.	1
1,3-Dichlorobenzene	ND		ug/kg	200	35.	1
1,4-Dichlorobenzene	ND		ug/kg	200	36.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	55.	1
2,4-Dinitrotoluene	ND		ug/kg	200	41.	1
2,6-Dinitrotoluene	ND		ug/kg	200	35.	1
Azobenzene	ND		ug/kg	200	20.	1
Fluoranthene	570		ug/kg	120	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	22.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	31.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	250	35.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	220	21.	1
Hexachlorobutadiene	ND		ug/kg	200	30.	1
Hexachlorocyclopentadiene	ND		ug/kg	590	190	1
Hexachloroethane	ND		ug/kg	160	33.	1
Isophorone	ND		ug/kg	180	27.	1
Naphthalene	ND		ug/kg	200	25.	1
Nitrobenzene	ND		ug/kg	180	30.	1
NDPA/DPA	ND		ug/kg	160	23.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	32.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	71.	1
Butyl benzyl phthalate	ND		ug/kg	200	52.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-10
 Client ID: COMP09_0-13
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	39.	1
Di-n-octylphthalate	ND		ug/kg	200	70.	1
Diethyl phthalate	ND		ug/kg	200	19.	1
Dimethyl phthalate	ND		ug/kg	200	43.	1
Benzo(a)anthracene	290		ug/kg	120	23.	1
Benzo(a)pyrene	270		ug/kg	160	50.	1
Benzo(b)fluoranthene	360		ug/kg	120	35.	1
Benzo(k)fluoranthene	120		ug/kg	120	33.	1
Chrysene	270		ug/kg	120	21.	1
Acenaphthylene	ND		ug/kg	160	32.	1
Anthracene	100	J	ug/kg	120	40.	1
Benzo(ghi)perylene	170		ug/kg	160	24.	1
Fluorene	39	J	ug/kg	200	20.	1
Phenanthrene	460		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	45	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	180		ug/kg	160	29.	1
Pyrene	510		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	470	48.	1
4-Chloroaniline	ND		ug/kg	200	37.	1
2-Nitroaniline	ND		ug/kg	200	40.	1
3-Nitroaniline	ND		ug/kg	200	39.	1
4-Nitroaniline	ND		ug/kg	200	85.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	250	25.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	21.	1
Acetophenone	ND		ug/kg	200	25.	1
n-Nitrosodimethylamine	ND		ug/kg	410	40.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	39.	1
p-Chloro-m-cresol	ND		ug/kg	200	31.	1
2-Chlorophenol	ND		ug/kg	200	24.	1
2,4-Dichlorophenol	ND		ug/kg	180	33.	1
2,4-Dimethylphenol	ND		ug/kg	200	68.	1
2-Nitrophenol	ND		ug/kg	440	77.	1
4-Nitrophenol	ND		ug/kg	290	84.	1
2,4-Dinitrophenol	ND		ug/kg	990	96.	1
4,6-Dinitro-o-cresol	ND		ug/kg	540	99.	1
Pentachlorophenol	ND		ug/kg	160	45.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	31.	1
2-Methylphenol	ND		ug/kg	200	32.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	300	32.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	39.	1
Benzoic Acid	ND		ug/kg	670	210	1
Benzyl Alcohol	ND		ug/kg	200	63.	1
Carbazole	40	J	ug/kg	200	20.	1
Atrazine	ND		ug/kg	160	72.	1
Benzaldehyde	ND		ug/kg	270	56.	1
Caprolactam	ND		ug/kg	200	62.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	42.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	65		25-120
Phenol-d6	87		10-120
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	74		30-120
2,4,6-Tribromophenol	49		10-136
4-Terphenyl-d14	50		18-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 12:53
Analyst: SZ
Percent Solids: 78%
TCLP/SPLP Ext. Date: 11/02/18 06:22

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 11:45

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
TCLP Semivolatiles by EPA 1311 - Westborough Lab						
Hexachlorobenzene	ND		ug/l	10	2.9	1
2,4-Dinitrotoluene	ND		ug/l	25	4.2	1
Hexachlorobutadiene	ND		ug/l	10	3.6	1
Hexachloroethane	ND		ug/l	10	3.4	1
Nitrobenzene	ND		ug/l	10	3.8	1
2,4,6-Trichlorophenol	ND		ug/l	25	3.4	1
Pentachlorophenol	ND		ug/l	50	17.	1
2-Methylphenol	ND		ug/l	25	5.1	1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6	1
2,4,5-Trichlorophenol	ND		ug/l	25	3.6	1
Pyridine	ND		ug/l	18	9.4	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	84		21-120
Phenol-d6	80		10-120
Nitrobenzene-d5	86		23-120
2-Fluorobiphenyl	90		15-120
2,4,6-Tribromophenol	86		10-120
4-Terphenyl-d14	87		33-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 18:16
Analyst: EK
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	22.	1
Benzidine	ND		ug/kg	700	230	1
1,2,4-Trichlorobenzene	ND		ug/kg	210	24.	1
Hexachlorobenzene	ND		ug/kg	130	24.	1
Bis(2-chloroethyl)ether	ND		ug/kg	190	29.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
1,2-Dichlorobenzene	ND		ug/kg	210	38.	1
1,3-Dichlorobenzene	ND		ug/kg	210	37.	1
1,4-Dichlorobenzene	ND		ug/kg	210	37.	1
3,3'-Dichlorobenzidine	ND		ug/kg	210	57.	1
2,4-Dinitrotoluene	ND		ug/kg	210	42.	1
2,6-Dinitrotoluene	ND		ug/kg	210	36.	1
Azobenzene	ND		ug/kg	210	20.	1
Fluoranthene	ND		ug/kg	130	24.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	210	23.	1
4-Bromophenyl phenyl ether	ND		ug/kg	210	32.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	260	36.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	230	21.	1
Hexachlorobutadiene	ND		ug/kg	210	31.	1
Hexachlorocyclopentadiene	ND		ug/kg	610	190	1
Hexachloroethane	ND		ug/kg	170	34.	1
Isophorone	ND		ug/kg	190	28.	1
Naphthalene	850		ug/kg	210	26.	1
Nitrobenzene	ND		ug/kg	190	32.	1
NDPA/DPA	ND		ug/kg	170	24.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	210	33.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	210	74.	1
Butyl benzyl phthalate	ND		ug/kg	210	54.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-16
 Client ID: COMP_PI_S_9-23
 Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
 Date Received: 11/01/18
 Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	210	40.	1
Di-n-octylphthalate	ND		ug/kg	210	72.	1
Diethyl phthalate	ND		ug/kg	210	20.	1
Dimethyl phthalate	ND		ug/kg	210	45.	1
Benzo(a)anthracene	ND		ug/kg	130	24.	1
Benzo(a)pyrene	ND		ug/kg	170	52.	1
Benzo(b)fluoranthene	ND		ug/kg	130	36.	1
Benzo(k)fluoranthene	ND		ug/kg	130	34.	1
Chrysene	ND		ug/kg	130	22.	1
Acenaphthylene	ND		ug/kg	170	33.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	ND		ug/kg	170	25.	1
Fluorene	ND		ug/kg	210	21.	1
Phenanthrene	ND		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	170	30.	1
Pyrene	ND		ug/kg	130	21.	1
Biphenyl	ND		ug/kg	480	49.	1
4-Chloroaniline	ND		ug/kg	210	39.	1
2-Nitroaniline	ND		ug/kg	210	41.	1
3-Nitroaniline	ND		ug/kg	210	40.	1
4-Nitroaniline	ND		ug/kg	210	88.	1
Dibenzofuran	ND		ug/kg	210	20.	1
2-Methylnaphthalene	610		ug/kg	260	26.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	210	22.	1
Acetophenone	ND		ug/kg	210	26.	1
n-Nitrosodimethylamine	ND		ug/kg	420	41.	1
2,4,6-Trichlorophenol	ND		ug/kg	130	40.	1
p-Chloro-m-cresol	ND		ug/kg	210	32.	1
2-Chlorophenol	ND		ug/kg	210	25.	1
2,4-Dichlorophenol	ND		ug/kg	190	34.	1
2,4-Dimethylphenol	ND		ug/kg	210	70.	1
2-Nitrophenol	ND		ug/kg	460	80.	1
4-Nitrophenol	ND		ug/kg	300	87.	1
2,4-Dinitrophenol	ND		ug/kg	1000	99.	1
4,6-Dinitro-o-cresol	ND		ug/kg	550	100	1
Pentachlorophenol	ND		ug/kg	170	47.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	210	32.	1
2-Methylphenol	ND		ug/kg	210	33.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	310	33.	1
2,4,5-Trichlorophenol	ND		ug/kg	210	41.	1
Benzoic Acid	ND		ug/kg	690	220	1
Benzyl Alcohol	ND		ug/kg	210	65.	1
Carbazole	ND		ug/kg	210	21.	1
Atrazine	ND		ug/kg	170	74.	1
Benzaldehyde	ND		ug/kg	280	58.	1
Caprolactam	ND		ug/kg	210	65.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	210	43.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	75		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	65		30-120
2,4,6-Tribromophenol	74		10-136
4-Terphenyl-d14	54		18-120

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 11/05/18 18:42
Analyst: EK
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	160	20.	1
Benzidine	ND		ug/kg	650	210	1
1,2,4-Trichlorobenzene	ND		ug/kg	200	22.	1
Hexachlorobenzene	ND		ug/kg	120	22.	1
Bis(2-chloroethyl)ether	ND		ug/kg	180	27.	1
2-Chloronaphthalene	ND		ug/kg	200	20.	1
1,2-Dichlorobenzene	ND		ug/kg	200	35.	1
1,3-Dichlorobenzene	ND		ug/kg	200	34.	1
1,4-Dichlorobenzene	ND		ug/kg	200	34.	1
3,3'-Dichlorobenzidine	ND		ug/kg	200	52.	1
2,4-Dinitrotoluene	ND		ug/kg	200	39.	1
2,6-Dinitrotoluene	ND		ug/kg	200	34.	1
Azobenzene	ND		ug/kg	200	19.	1
Fluoranthene	ND		ug/kg	120	23.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	200	21.	1
4-Bromophenyl phenyl ether	ND		ug/kg	200	30.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	240	34.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	210	20.	1
Hexachlorobutadiene	ND		ug/kg	200	29.	1
Hexachlorocyclopentadiene	ND		ug/kg	560	180	1
Hexachloroethane	ND		ug/kg	160	32.	1
Isophorone	ND		ug/kg	180	26.	1
Naphthalene	ND		ug/kg	200	24.	1
Nitrobenzene	ND		ug/kg	180	29.	1
NDPA/DPA	ND		ug/kg	160	22.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	200	30.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	200	68.	1
Butyl benzyl phthalate	ND		ug/kg	200	50.	1

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-17**Date Collected:** 11/01/18 11:25**Client ID:** COMP0910_13-22**Date Received:** 11/01/18**Sample Location:** MANHATTAN, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Di-n-butylphthalate	ND		ug/kg	200	37.	1
Di-n-octylphthalate	ND		ug/kg	200	67.	1
Diethyl phthalate	ND		ug/kg	200	18.	1
Dimethyl phthalate	ND		ug/kg	200	41.	1
Benzo(a)anthracene	ND		ug/kg	120	22.	1
Benzo(a)pyrene	ND		ug/kg	160	48.	1
Benzo(b)fluoranthene	ND		ug/kg	120	33.	1
Benzo(k)fluoranthene	ND		ug/kg	120	32.	1
Chrysene	ND		ug/kg	120	20.	1
Acenaphthylene	ND		ug/kg	160	30.	1
Anthracene	ND		ug/kg	120	38.	1
Benzo(ghi)perylene	ND		ug/kg	160	23.	1
Fluorene	ND		ug/kg	200	19.	1
Phenanthrene	ND		ug/kg	120	24.	1
Dibenzo(a,h)anthracene	ND		ug/kg	120	23.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	160	28.	1
Pyrene	ND		ug/kg	120	20.	1
Biphenyl	ND		ug/kg	450	46.	1
4-Chloroaniline	ND		ug/kg	200	36.	1
2-Nitroaniline	ND		ug/kg	200	38.	1
3-Nitroaniline	ND		ug/kg	200	37.	1
4-Nitroaniline	ND		ug/kg	200	82.	1
Dibenzofuran	ND		ug/kg	200	19.	1
2-Methylnaphthalene	ND		ug/kg	240	24.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	200	20.	1
Acetophenone	ND		ug/kg	200	24.	1
n-Nitrosodimethylamine	ND		ug/kg	390	38.	1
2,4,6-Trichlorophenol	ND		ug/kg	120	37.	1
p-Chloro-m-cresol	ND		ug/kg	200	29.	1
2-Chlorophenol	ND		ug/kg	200	23.	1
2,4-Dichlorophenol	ND		ug/kg	180	32.	1
2,4-Dimethylphenol	ND		ug/kg	200	65.	1
2-Nitrophenol	ND		ug/kg	430	74.	1
4-Nitrophenol	ND		ug/kg	280	80.	1
2,4-Dinitrophenol	ND		ug/kg	950	92.	1
4,6-Dinitro-o-cresol	ND		ug/kg	510	95.	1
Pentachlorophenol	ND		ug/kg	160	43.	1

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Phenol	ND		ug/kg	200	30.	1
2-Methylphenol	ND		ug/kg	200	30.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	280	31.	1
2,4,5-Trichlorophenol	ND		ug/kg	200	38.	1
Benzoic Acid	ND		ug/kg	640	200	1
Benzyl Alcohol	ND		ug/kg	200	60.	1
Carbazole	ND		ug/kg	200	19.	1
Atrazine	ND		ug/kg	160	69.	1
Benzaldehyde	ND		ug/kg	260	53.	1
Caprolactam	ND		ug/kg	200	60.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	200	40.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		25-120
Phenol-d6	76		10-120
Nitrobenzene-d5	83		23-120
2-Fluorobiphenyl	72		30-120
2,4,6-Tribromophenol	72		10-136
4-Terphenyl-d14	53		18-120

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 14:04
 Analyst: EK

Extraction Method: EPA 3546
 Extraction Date: 11/02/18 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175374-1					
Acenaphthene	ND		ug/kg	130	17.
Benzidine	ND		ug/kg	540	180
1,2,4-Trichlorobenzene	ND		ug/kg	160	19.
Hexachlorobenzene	ND		ug/kg	99	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
1,2-Dichlorobenzene	ND		ug/kg	160	30.
1,3-Dichlorobenzene	ND		ug/kg	160	28.
1,4-Dichlorobenzene	ND		ug/kg	160	29.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Azobenzene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	99	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	27.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	42.
Di-n-butylphthalate	ND		ug/kg	160	31.

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 14:04
 Analyst: EK

Extraction Method: EPA 3546
 Extraction Date: 11/02/18 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175374-1					
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	35.
Benzo(a)anthracene	ND		ug/kg	99	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	99	28.
Benzo(k)fluoranthene	ND		ug/kg	99	26.
Chrysene	ND		ug/kg	99	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	99	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	99	20.
Dibenzo(a,h)anthracene	ND		ug/kg	99	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	99	16.
Biphenyl	ND		ug/kg	380	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
n-Nitrosodimethylamine	ND		ug/kg	330	32.
2,4,6-Trichlorophenol	ND		ug/kg	99	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	20.

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 14:04
 Analyst: EK

Extraction Method: EPA 3546
 Extraction Date: 11/02/18 14:17

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175374-1					
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	360	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	77.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	26.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	32.
Benzoic Acid	ND		ug/kg	530	170
Benzyl Alcohol	ND		ug/kg	160	50.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	58.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	75		25-120
Phenol-d6	79		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	78		30-120
2,4,6-Tribromophenol	82		10-136
4-Terphenyl-d14	80		18-120

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 11:38
 Analyst: SZ
 TCLP/SPLP Extraction Date: 11/02/18 06:22

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 11:45

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 16 Batch: WG1175807-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	73		21-120
Phenol-d6	70		10-120
Nitrobenzene-d5	75		23-120
2-Fluorobiphenyl	70		15-120
2,4,6-Tribromophenol	83		10-120
4-Terphenyl-d14	84		33-120

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
 Analytical Date: 11/05/18 14:57
 Analyst: SZ
 TCLP/SPLP Extraction Date: 11/02/18 06:22

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 12:06

Parameter	Result	Qualifier	Units	RL	MDL
TCLP Semivolatiles by EPA 1311 - Westborough Lab for sample(s): 10 Batch: WG1175812-1					
Hexachlorobenzene	ND		ug/l	10	2.9
2,4-Dinitrotoluene	ND		ug/l	25	4.2
Hexachlorobutadiene	ND		ug/l	10	3.6
Hexachloroethane	ND		ug/l	10	3.4
Nitrobenzene	ND		ug/l	10	3.8
2,4,6-Trichlorophenol	ND		ug/l	25	3.4
Pentachlorophenol	ND		ug/l	50	17.
2-Methylphenol	ND		ug/l	25	5.1
3-Methylphenol/4-Methylphenol	ND		ug/l	25	5.6
2,4,5-Trichlorophenol	ND		ug/l	25	3.6
Pyridine	ND		ug/l	18	9.4

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		21-120
Phenol-d6	74		10-120
Nitrobenzene-d5	80		23-120
2-Fluorobiphenyl	83		15-120
2,4,6-Tribromophenol	82		10-120
4-Terphenyl-d14	80		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175374-2 WG1175374-3								
Acenaphthene	85		79		31-137	7		50
Benzidine	44		32		10-66	32		50
1,2,4-Trichlorobenzene	85		80		38-107	6		50
Hexachlorobenzene	85		77		40-140	10		50
Bis(2-chloroethyl)ether	80		78		40-140	3		50
2-Chloronaphthalene	89		82		40-140	8		50
1,2-Dichlorobenzene	79		76		40-140	4		50
1,3-Dichlorobenzene	78		74		40-140	5		50
1,4-Dichlorobenzene	78		74		28-104	5		50
3,3'-Dichlorobenzidine	64		62		40-140	3		50
2,4-Dinitrotoluene	99		92		40-132	7		50
2,6-Dinitrotoluene	100		92		40-140	8		50
Azobenzene	100		94		40-140	6		50
Fluoranthene	92		84		40-140	9		50
4-Chlorophenyl phenyl ether	87		80		40-140	8		50
4-Bromophenyl phenyl ether	87		80		40-140	8		50
Bis(2-chloroisopropyl)ether	79		74		40-140	7		50
Bis(2-chloroethoxy)methane	84		79		40-117	6		50
Hexachlorobutadiene	86		82		40-140	5		50
Hexachlorocyclopentadiene	93		88		40-140	6		50
Hexachloroethane	79		74		40-140	7		50
Isophorone	95		88		40-140	8		50
Naphthalene	81		77		40-140	5		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175374-2 WG1175374-3								
Nitrobenzene	96		91		40-140	5		50
NDPA/DPA	89		82		36-157	8		50
n-Nitrosodi-n-propylamine	102		96		32-121	6		50
Bis(2-ethylhexyl)phthalate	85		80		40-140	6		50
Butyl benzyl phthalate	105		95		40-140	10		50
Di-n-butylphthalate	96		88		40-140	9		50
Di-n-octylphthalate	90		83		40-140	8		50
Diethyl phthalate	94		86		40-140	9		50
Dimethyl phthalate	93		86		40-140	8		50
Benzo(a)anthracene	88		82		40-140	7		50
Benzo(a)pyrene	101		93		40-140	8		50
Benzo(b)fluoranthene	97		88		40-140	10		50
Benzo(k)fluoranthene	92		88		40-140	4		50
Chrysene	86		81		40-140	6		50
Acenaphthylene	93		86		40-140	8		50
Anthracene	88		81		40-140	8		50
Benzo(ghi)perylene	93		86		40-140	8		50
Fluorene	90		82		40-140	9		50
Phenanthrene	83		77		40-140	8		50
Dibenzo(a,h)anthracene	94		86		40-140	9		50
Indeno(1,2,3-cd)pyrene	98		88		40-140	11		50
Pyrene	89		82		35-142	8		50
Biphenyl	94		87		54-104	8		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175374-2 WG1175374-3								
4-Chloroaniline	80		86		40-140	7		50
2-Nitroaniline	100		94		47-134	6		50
3-Nitroaniline	74		69		26-129	7		50
4-Nitroaniline	94		87		41-125	8		50
Dibenzofuran	88		81		40-140	8		50
2-Methylnaphthalene	86		81		40-140	6		50
1,2,4,5-Tetrachlorobenzene	90		86		40-117	5		50
Acetophenone	96		89		14-144	8		50
n-Nitrosodimethylamine	93		88		22-100	6		50
2,4,6-Trichlorophenol	96		90		30-130	6		50
p-Chloro-m-cresol	95		88		26-103	8		50
2-Chlorophenol	86		80		25-102	7		50
2,4-Dichlorophenol	93		86		30-130	8		50
2,4-Dimethylphenol	93		87		30-130	7		50
2-Nitrophenol	94		89		30-130	5		50
4-Nitrophenol	112		101		11-114	10		50
2,4-Dinitrophenol	82		76		4-130	8		50
4,6-Dinitro-o-cresol	86		80		10-130	7		50
Pentachlorophenol	88		77		17-109	13		50
Phenol	82		77		26-90	6		50
2-Methylphenol	87		81		30-130	7		50
3-Methylphenol/4-Methylphenol	88		81		30-130	8		50
2,4,5-Trichlorophenol	97		90		30-130	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175374-2 WG1175374-3								
Benzoic Acid	67		65		10-110	3		50
Benzyl Alcohol	98		93		40-140	5		50
Carbazole	88		80		54-128	10		50
Atrazine	102		93		40-140	9		50
Benzaldehyde	78		74		40-140	5		50
Caprolactam	106		99		15-130	7		50
2,3,4,6-Tetrachlorophenol	95		86		40-140	10		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	84		79		25-120
Phenol-d6	86		81		10-120
Nitrobenzene-d5	94		86		23-120
2-Fluorobiphenyl	85		79		30-120
2,4,6-Tribromophenol	89		82		10-136
4-Terphenyl-d14	78		70		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 16 Batch: WG1175807-2 WG1175807-3								
Hexachlorobenzene	72		72		40-140	0		30
2,4-Dinitrotoluene	95		92		40-132	3		30
Hexachlorobutadiene	60		60		28-111	0		30
Hexachloroethane	61		60		21-105	2		30
Nitrobenzene	75		74		40-140	1		30
2,4,6-Trichlorophenol	88		89		30-130	1		30
Pentachlorophenol	72		68		9-103	6		30
2-Methylphenol	82		81		30-130	1		30
3-Methylphenol/4-Methylphenol	83		82		30-130	1		30
2,4,5-Trichlorophenol	91		90		30-130	1		30
Pyridine	28		52		10-66	60	Q	30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	80		78		21-120
Phenol-d6	77		76		10-120
Nitrobenzene-d5	80		80		23-120
2-Fluorobiphenyl	80		81		15-120
2,4,6-Tribromophenol	81		81		10-120
4-Terphenyl-d14	76		75		33-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
TCLP Semivolatiles by EPA 1311 - Westborough Lab Associated sample(s): 10 Batch: WG1175812-2 WG1175812-3								
Hexachlorobenzene	75		73		40-140	3		30
2,4-Dinitrotoluene	97		97		40-132	0		30
Hexachlorobutadiene	61		61		28-111	0		30
Hexachloroethane	59		59		21-105	0		30
Nitrobenzene	78		76		40-140	3		30
2,4,6-Trichlorophenol	91		86		30-130	6		30
Pentachlorophenol	72		71		9-103	1		30
2-Methylphenol	82		82		30-130	0		30
3-Methylphenol/4-Methylphenol	84		82		30-130	2		30
2,4,5-Trichlorophenol	92		92		30-130	0		30
Pyridine	26		25		10-66	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	82		81		21-120
Phenol-d6	76		76		10-120
Nitrobenzene-d5	82		81		23-120
2-Fluorobiphenyl	84		83		15-120
2,4,6-Tribromophenol	82		81		10-120
4-Terphenyl-d14	78		76		33-120

PETROLEUM HYDROCARBONS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-01
Client ID: WC20_6-8
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:15
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/05/18 06:50
Analyst: SC
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 10:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	50.3		mg/kg	29.4	29.4	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	84			40-140		
o-Terphenyl	85			40-140		

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-02
Client ID: WC20_18-20
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 08:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 103,NJDEP EPH
Analytical Date: 11/05/18 05:24
Analyst: SC
Percent Solids: 81%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 10:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab						
Total EPH	ND		mg/kg	28.0	28.0	1
Surrogate	% Recovery		Qualifier	Acceptance Criteria		
Chloro-Octadecane	92			40-140		
o-Terphenyl	91			40-140		

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16 D
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8015D(M)
Analytical Date: 11/07/18 12:24
Analyst: MZ
Percent Solids: 78%

Extraction Method:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Gasoline Range Organics - Westborough Lab						

Gasoline Range Organics	260000		ug/kg	67000	1300	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	141	Q	70-130
4-Bromofluorobenzene	94		70-130

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 103,NJDEP EPH

Extraction Method: EPA 3546

Analytical Date: 11/05/18 03:01

Extraction Date: 11/03/18 10:44

Analyst: SC

Parameter	Result	Qualifier	Units	RL	MDL
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab for sample(s): 01-02 Batch: WG1175648-1					
Total EPH	ND		mg/kg	23.6	23.6

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	85		40-140
o-Terphenyl	84		40-140

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8015D(M)
 Analytical Date: 11/07/18 10:22
 Analyst: MZ

Parameter	Result	Qualifier	Units	RL	MDL
Gasoline Range Organics - Westborough Lab for sample(s): 16 Batch: WG1176922-12					
Gasoline Range Organics	1600	J	ug/kg	2500	48.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,1,1-Trifluorotoluene	113		70-130
4-Bromofluorobenzene	105		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1175648-2 WG1175648-3								
Total EPH	98		95		40-140	3		25
Nonane (C9)	71		72		40-140	1		25
Decane (C10)	82		82		40-140	0		25
Dodecane (C12)	81		81		40-140	0		25
Tetradecane (C14)	81		80		40-140	1		25
Hexadecane (C16)	86		85		40-140	1		25
Octadecane (C18)	90		88		40-140	2		25
Eicosane (C20)	92		91		40-140	1		25
Heneicosane (C21)	92		91		40-140	1		25
Docosane (C22)	92		90		40-140	2		25
Tetracosane (C24)	92		90		40-140	2		25
Hexacosane (C26)	92		90		40-140	2		25
Octacosane (C28)	90		88		40-140	2		25
triacontane (C30)	90		88		40-140	2		25
Dotriacontane (C32)	90		89		40-140	1		25
Tetratriacontane (C34)	89		87		40-140	2		25
Hexatriacontane (C36)	92		90		40-140	2		25
Octatriacontane (C38)	94		92		40-140	2		25
Tetracontane (C40)	99		96		40-140	3		25

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 Batch: WG1175648-2 WG1175648-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Chloro-Octadecane	90		88		40-140
o-Terphenyl	90		87		40-140

Lab Control Sample Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Gasoline Range Organics - Westborough Lab Associated sample(s): 16 Batch: WG1176922-10 WG1176922-11								
Gasoline Range Organics	96		95		80-120	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,1,1-Trifluorotoluene	112		109		70-130
4-Bromofluorobenzene	102		100		70-130

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample												
Associated sample(s): 01-02				QC Batch ID: WG1175648-4			QC Sample: L1844683-02			Client ID:		
Total EPH	ND	273	267	98	-	-	-	-	40-140	-	-	50
Nonane (C9)	ND	7.59	5.68	75	-	-	-	-	40-140	-	-	50
Decane (C10)	ND	7.59	6.56	86	-	-	-	-	40-140	-	-	50
Dodecane (C12)	ND	7.59	6.34	84	-	-	-	-	40-140	-	-	50
Tetradecane (C14)	ND	7.59	6.35	84	-	-	-	-	40-140	-	-	50
Hexadecane (C16)	ND	7.59	6.57	87	-	-	-	-	40-140	-	-	50
Octadecane (C18)	ND	7.59	6.77	89	-	-	-	-	40-140	-	-	50
Eicosane (C20)	ND	7.59	6.88	91	-	-	-	-	40-140	-	-	50
Heneicosane (C21)	ND	7.59	6.89	91	-	-	-	-	40-140	-	-	50
Docosane (C22)	ND	7.59	6.85	90	-	-	-	-	40-140	-	-	50
Tetracosane (C24)	ND	7.59	6.86	90	-	-	-	-	40-140	-	-	50
Hexacosane (C26)	ND	7.59	6.83	90	-	-	-	-	40-140	-	-	50
Octacosane (C28)	ND	7.59	6.68	88	-	-	-	-	40-140	-	-	50
triacontane (C30)	ND	7.59	6.67	88	-	-	-	-	40-140	-	-	50
Dotriacontane (C32)	ND	7.59	6.70	88	-	-	-	-	40-140	-	-	50
Tetratriacontane (C34)	ND	7.59	6.61	87	-	-	-	-	40-140	-	-	50
Hexatriacontane (C36)	ND	7.59	6.82	90	-	-	-	-	40-140	-	-	50
Octatriacontane (C38)	ND	7.59	6.95	92	-	-	-	-	40-140	-	-	50
Tetracontane (C40)	ND	7.59	7.32	97	-	-	-	-	40-140	-	-	50

Surrogate	MS % Recovery	MS Qualifier	MSD % Recovery	MSD Qualifier	Acceptance Criteria
Chloro-Octadecane	87				40-140

Matrix Spike Analysis**Batch Quality Control****Project Name:** 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab MS Sample Associated sample(s): 01-02 QC Batch ID: WG1175648-4 QC Sample: L1844683-02 Client ID:												

Surrogate	MS % Recovery	Qualifier	MSD % Recovery	Qualifier	Acceptance Criteria
o-Terphenyl	86				40-140

Lab Duplicate Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
NJ Extractable Petroleum Hydrocarbons (Total) - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1175648-5 QC Sample: L1844683-02 Client ID: DUP Sample						
Total EPH	ND	ND	mg/kg	NC		50

Surrogate	%Recovery	Qualifier	%Recovery	Qualifier	Acceptance Criteria
Chloro-Octadecane	88		85		40-140
o-Terphenyl	86		84		40-140

PCBS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 16:29
Analyst: HT
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:34
Cleanup Method: EPA 3665A
Cleanup Date: 11/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	38.4	3.41	1	A
Aroclor 1221	ND		ug/kg	38.4	3.85	1	A
Aroclor 1232	ND		ug/kg	38.4	8.15	1	A
Aroclor 1242	ND		ug/kg	38.4	5.18	1	A
Aroclor 1248	ND		ug/kg	38.4	5.76	1	A
Aroclor 1254	ND		ug/kg	38.4	4.20	1	A
Aroclor 1260	ND		ug/kg	38.4	7.10	1	A
Aroclor 1262	ND		ug/kg	38.4	4.88	1	A
Aroclor 1268	ND		ug/kg	38.4	3.98	1	A
PCBs, Total	ND		ug/kg	38.4	3.41	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	72		30-150	A
Decachlorobiphenyl	62		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		30-150	B
Decachlorobiphenyl	71		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 16:42
Analyst: HT
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:34
Cleanup Method: EPA 3665A
Cleanup Date: 11/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.6	3.70	1	A
Aroclor 1221	ND		ug/kg	41.6	4.17	1	A
Aroclor 1232	ND		ug/kg	41.6	8.83	1	A
Aroclor 1242	ND		ug/kg	41.6	5.61	1	A
Aroclor 1248	ND		ug/kg	41.6	6.24	1	A
Aroclor 1254	ND		ug/kg	41.6	4.56	1	A
Aroclor 1260	ND		ug/kg	41.6	7.69	1	A
Aroclor 1262	ND		ug/kg	41.6	5.29	1	A
Aroclor 1268	ND		ug/kg	41.6	4.31	1	A
PCBs, Total	ND		ug/kg	41.6	3.70	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	78		30-150	A
Decachlorobiphenyl	69		30-150	A
2,4,5,6-Tetrachloro-m-xylene	74		30-150	B
Decachlorobiphenyl	85		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 16:55
Analyst: HT
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:34
Cleanup Method: EPA 3665A
Cleanup Date: 11/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	41.2	3.66	1	A
Aroclor 1221	ND		ug/kg	41.2	4.12	1	A
Aroclor 1232	ND		ug/kg	41.2	8.73	1	A
Aroclor 1242	ND		ug/kg	41.2	5.55	1	A
Aroclor 1248	ND		ug/kg	41.2	6.18	1	A
Aroclor 1254	ND		ug/kg	41.2	4.50	1	A
Aroclor 1260	ND		ug/kg	41.2	7.61	1	A
Aroclor 1262	ND		ug/kg	41.2	5.23	1	A
Aroclor 1268	ND		ug/kg	41.2	4.26	1	A
PCBs, Total	ND		ug/kg	41.2	3.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	81		30-150	A
Decachlorobiphenyl	67		30-150	A
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	83		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 11/06/18 17:08
Analyst: HT
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:34
Cleanup Method: EPA 3665A
Cleanup Date: 11/03/18
Cleanup Method: EPA 3660B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	40.2	3.57	1	A
Aroclor 1221	ND		ug/kg	40.2	4.02	1	A
Aroclor 1232	ND		ug/kg	40.2	8.51	1	A
Aroclor 1242	ND		ug/kg	40.2	5.41	1	A
Aroclor 1248	ND		ug/kg	40.2	6.02	1	A
Aroclor 1254	ND		ug/kg	40.2	4.39	1	A
Aroclor 1260	ND		ug/kg	40.2	7.42	1	A
Aroclor 1262	ND		ug/kg	40.2	5.10	1	A
Aroclor 1268	ND		ug/kg	40.2	4.16	1	A
PCBs, Total	ND		ug/kg	40.2	3.57	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	53		30-150	A
Decachlorobiphenyl	45		30-150	A
2,4,5,6-Tetrachloro-m-xylene	54		30-150	B
Decachlorobiphenyl	54		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
 Analytical Date: 11/06/18 15:51
 Analyst: HT

Extraction Method: EPA 3546
 Extraction Date: 11/03/18 12:34
 Cleanup Method: EPA 3665A
 Cleanup Date: 11/03/18
 Cleanup Method: EPA 3660B
 Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175678-1						
Aroclor 1016	ND		ug/kg	32.7	2.90	A
Aroclor 1221	ND		ug/kg	32.7	3.28	A
Aroclor 1232	ND		ug/kg	32.7	6.93	A
Aroclor 1242	ND		ug/kg	32.7	4.41	A
Aroclor 1248	ND		ug/kg	32.7	4.90	A
Aroclor 1254	ND		ug/kg	32.7	3.58	A
Aroclor 1260	ND		ug/kg	32.7	6.04	A
Aroclor 1262	ND		ug/kg	32.7	4.15	A
Aroclor 1268	ND		ug/kg	32.7	3.39	A
PCBs, Total	ND		ug/kg	32.7	2.90	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		30-150	A
Decachlorobiphenyl	83		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		30-150	B
Decachlorobiphenyl	95		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175678-2 WG1175678-3									
Aroclor 1016	64		61		40-140	5		50	A
Aroclor 1260	66		62		40-140	6		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	88		84		30-150	A
Decachlorobiphenyl	79		76		30-150	A
2,4,5,6-Tetrachloro-m-xylene	88		81		30-150	B
Decachlorobiphenyl	92		87		30-150	B

PESTICIDES

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 19:26
Analyst: KEG
Percent Solids: 86%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:38
Cleanup Method: EPA 3620B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	0.554	J	ug/kg	1.77	0.347	1	A
Lindane	ND		ug/kg	0.738	0.330	1	A
Alpha-BHC	ND		ug/kg	0.738	0.210	1	A
Beta-BHC	ND		ug/kg	1.77	0.671	1	A
Heptachlor	ND		ug/kg	0.885	0.397	1	A
Aldrin	ND		ug/kg	1.77	0.623	1	A
Heptachlor epoxide	2.70	J	ug/kg	3.32	0.996	1	A
Endrin	ND		ug/kg	0.738	0.302	1	A
Endrin aldehyde	ND		ug/kg	2.21	0.775	1	A
Endrin ketone	ND		ug/kg	1.77	0.456	1	A
Dieldrin	ND		ug/kg	1.11	0.553	1	A
4,4'-DDE	ND		ug/kg	1.77	0.409	1	A
4,4'-DDD	ND		ug/kg	1.77	0.632	1	A
4,4'-DDT	ND		ug/kg	3.32	1.42	1	A
Endosulfan I	ND		ug/kg	1.77	0.418	1	A
Endosulfan II	ND		ug/kg	1.77	0.592	1	A
Endosulfan sulfate	ND		ug/kg	0.738	0.351	1	A
Methoxychlor	ND		ug/kg	3.32	1.03	1	A
Toxaphene	ND		ug/kg	33.2	9.30	1	A
cis-Chlordane	ND		ug/kg	2.21	0.617	1	A
trans-Chlordane	ND		ug/kg	2.21	0.584	1	A
Chlordane	ND		ug/kg	14.4	5.86	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	B
Decachlorobiphenyl	114		30-150	B
2,4,5,6-Tetrachloro-m-xylene	92		30-150	A
Decachlorobiphenyl	82		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03
Client ID: COMP10_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 09:35
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 13:17
Analyst: DGM
Percent Solids: 86%
Methylation Date: 11/03/18 10:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 06:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	193	12.2	1	A
2,4,5-T	ND		ug/kg	193	5.98	1	A
2,4,5-TP (Silvex)	ND		ug/kg	193	5.14	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	96		30-150	A
DCAA	85		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/06/18 18:38
Analyst: KEG
Percent Solids: 79%
TCLP/SPLP Ext. Date: 11/02/18 06:22

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 15:44

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	115		30-150	A
Decachlorobiphenyl	129		30-150	A
2,4,5,6-Tetrachloro-m-xylene	120		30-150	B
Decachlorobiphenyl	112		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 20:03
Analyst: KEG
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:38
Cleanup Method: EPA 3620B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	2.02	PI	ug/kg	1.92	0.376	1	A
Lindane	ND		ug/kg	0.800	0.358	1	A
Alpha-BHC	ND		ug/kg	0.800	0.227	1	A
Beta-BHC	ND		ug/kg	1.92	0.728	1	A
Heptachlor	ND		ug/kg	0.960	0.430	1	A
Aldrin	ND		ug/kg	1.92	0.676	1	A
Heptachlor epoxide	5.32	PI	ug/kg	3.60	1.08	1	B
Endrin	ND		ug/kg	0.800	0.328	1	A
Endrin aldehyde	ND		ug/kg	2.40	0.840	1	A
Endrin ketone	ND		ug/kg	1.92	0.494	1	A
Dieldrin	ND		ug/kg	1.20	0.600	1	A
4,4'-DDE	ND		ug/kg	1.92	0.444	1	A
4,4'-DDD	ND		ug/kg	1.92	0.685	1	A
4,4'-DDT	ND		ug/kg	3.60	1.54	1	A
Endosulfan I	ND		ug/kg	1.92	0.454	1	A
Endosulfan II	ND		ug/kg	1.92	0.642	1	A
Endosulfan sulfate	ND		ug/kg	0.800	0.381	1	A
Methoxychlor	ND		ug/kg	3.60	1.12	1	A
Toxaphene	ND		ug/kg	36.0	10.1	1	A
cis-Chlordane	ND		ug/kg	2.40	0.669	1	A
trans-Chlordane	ND		ug/kg	2.40	0.634	1	A
Chlordane	ND		ug/kg	15.6	6.36	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	85		30-150	B
Decachlorobiphenyl	492	Q	30-150	B
2,4,5,6-Tetrachloro-m-xylene	93		30-150	A
Decachlorobiphenyl	644	Q	30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/05/18 12:00
Analyst: DGM
Percent Solids: 79%
TCLP/SPLP Ext. Date: 11/02/18 06:22
Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
Extraction Date: 11/04/18 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	59		30-150	A
DCAA	50		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 13:35
Analyst: DGM
Percent Solids: 79%
Methylation Date: 11/03/18 10:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 06:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	209	13.1	1	A
2,4,5-T	ND		ug/kg	209	6.47	1	A
2,4,5-TP (Silvex)	ND		ug/kg	209	5.55	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	98		30-150	A
DCAA	85		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/06/18 17:47
Analyst: KEG
Percent Solids: 78%
TCLP/SPLP Ext. Date: 11/02/18 06:22

Extraction Method: EPA 3510C
Extraction Date: 11/04/18 15:43

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Pesticides by EPA 1311 - Westborough Lab							
Lindane	ND		ug/l	0.100	0.022	1	A
Heptachlor	ND		ug/l	0.100	0.016	1	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	1	A
Endrin	ND		ug/l	0.200	0.021	1	A
Methoxychlor	ND		ug/l	1.00	0.034	1	A
Toxaphene	ND		ug/l	1.00	0.314	1	A
Chlordane	ND		ug/l	1.00	0.232	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	113		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	113		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 19:39
Analyst: KEG
Percent Solids: 78%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:38
Cleanup Method: EPA 3620B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	2.04	0.399	1	A
Lindane	ND		ug/kg	0.849	0.379	1	A
Alpha-BHC	ND		ug/kg	0.849	0.241	1	A
Beta-BHC	ND		ug/kg	2.04	0.772	1	A
Heptachlor	ND		ug/kg	1.02	0.457	1	A
Aldrin	ND		ug/kg	2.04	0.717	1	A
Heptachlor epoxide	ND		ug/kg	3.82	1.15	1	A
Endrin	ND		ug/kg	0.849	0.348	1	A
Endrin aldehyde	ND		ug/kg	2.55	0.891	1	A
Endrin ketone	ND		ug/kg	2.04	0.525	1	A
Dieldrin	ND		ug/kg	1.27	0.637	1	A
4,4'-DDE	1.43	J	ug/kg	2.04	0.471	1	A
4,4'-DDD	ND		ug/kg	2.04	0.727	1	A
4,4'-DDT	ND		ug/kg	3.82	1.64	1	A
Endosulfan I	ND		ug/kg	2.04	0.481	1	A
Endosulfan II	ND		ug/kg	2.04	0.681	1	A
Endosulfan sulfate	ND		ug/kg	0.849	0.404	1	A
Methoxychlor	ND		ug/kg	3.82	1.19	1	A
Toxaphene	ND		ug/kg	38.2	10.7	1	A
cis-Chlordane	ND		ug/kg	2.55	0.710	1	A
trans-Chlordane	ND		ug/kg	2.55	0.672	1	A
Chlordane	ND		ug/kg	16.6	6.75	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	5860	Q	30-150	A
Decachlorobiphenyl	50		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/05/18 14:49
Analyst: DGM
Percent Solids: 78%
TCLP/SPLP Ext. Date: 11/02/18 06:22
Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
Extraction Date: 11/04/18 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
TCLP Herbicides by EPA 1311 - Westborough Lab							
2,4-D	ND		mg/l	0.025	0.001	1	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	56		30-150	A
DCAA	51		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 13:54
Analyst: DGM
Percent Solids: 78%
Methylation Date: 11/03/18 10:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 06:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	213	13.4	1	A
2,4,5-T	ND		ug/kg	213	6.59	1	A
2,4,5-TP (Silvex)	ND		ug/kg	213	5.66	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	99		30-150	A
DCAA	79		30-150	B

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 11/05/18 19:51
Analyst: KEG
Percent Solids: 82%

Extraction Method: EPA 3546
Extraction Date: 11/03/18 12:38
Cleanup Method: EPA 3620B
Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.93	0.379	1	A
Lindane	ND		ug/kg	0.806	0.360	1	A
Alpha-BHC	ND		ug/kg	0.806	0.229	1	A
Beta-BHC	ND		ug/kg	1.93	0.733	1	A
Heptachlor	ND		ug/kg	0.967	0.434	1	A
Aldrin	ND		ug/kg	1.93	0.681	1	A
Heptachlor epoxide	ND		ug/kg	3.63	1.09	1	A
Endrin	ND		ug/kg	0.806	0.330	1	A
Endrin aldehyde	ND		ug/kg	2.42	0.846	1	A
Endrin ketone	ND		ug/kg	1.93	0.498	1	A
Dieldrin	ND		ug/kg	1.21	0.604	1	A
4,4'-DDE	ND		ug/kg	1.93	0.447	1	A
4,4'-DDD	ND		ug/kg	1.93	0.690	1	A
4,4'-DDT	ND		ug/kg	3.63	1.56	1	A
Endosulfan I	ND		ug/kg	1.93	0.457	1	A
Endosulfan II	ND		ug/kg	1.93	0.646	1	A
Endosulfan sulfate	ND		ug/kg	0.806	0.384	1	A
Methoxychlor	ND		ug/kg	3.63	1.13	1	A
Toxaphene	ND		ug/kg	36.3	10.2	1	A
cis-Chlordane	ND		ug/kg	2.42	0.674	1	A
trans-Chlordane	ND		ug/kg	2.42	0.638	1	A
Chlordane	ND		ug/kg	15.7	6.41	1	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	107		30-150	B
Decachlorobiphenyl	89		30-150	B
2,4,5,6-Tetrachloro-m-xylene	95		30-150	A
Decachlorobiphenyl	57		30-150	A

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8151A
Analytical Date: 11/03/18 14:13
Analyst: DGM
Percent Solids: 82%
Methylation Date: 11/03/18 10:29

Extraction Method: EPA 8151A
Extraction Date: 11/02/18 06:06

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column

Chlorinated Herbicides by GC - Westborough Lab

2,4-D	ND		ug/kg	198	12.5	1	A
2,4,5-T	ND		ug/kg	198	6.14	1	A
2,4,5-TP (Silvex)	ND		ug/kg	198	5.27	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
DCAA	102		30-150	A
DCAA	78		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/02/18 12:57
 Analyst: DGM

Extraction Method: EPA 8151A
 Extraction Date: 11/01/18 16:05

Methylation Date: 11/02/18 09:37

Parameter	Result	Qualifier	Units	RL	MDL	Column
Chlorinated Herbicides by GC - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1174953-1						
2,4-D	ND		ug/kg	162	10.2	A
2,4,5-T	ND		ug/kg	162	5.01	A
2,4,5-TP (Silvex)	ND		ug/kg	162	4.30	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	103		30-150	A
DCAA	88		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/05/18 18:49
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 11/03/18 12:38
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175683-1						
Delta-BHC	ND		ug/kg	1.54	0.301	A
Lindane	ND		ug/kg	0.641	0.286	A
Alpha-BHC	ND		ug/kg	0.641	0.182	A
Beta-BHC	ND		ug/kg	1.54	0.583	A
Heptachlor	ND		ug/kg	0.769	0.345	A
Aldrin	ND		ug/kg	1.54	0.542	A
Heptachlor epoxide	ND		ug/kg	2.88	0.865	A
Endrin	ND		ug/kg	0.641	0.263	A
Endrin aldehyde	ND		ug/kg	1.92	0.673	A
Endrin ketone	ND		ug/kg	1.54	0.396	A
Dieldrin	ND		ug/kg	0.962	0.481	A
4,4'-DDE	ND		ug/kg	1.54	0.356	A
4,4'-DDD	ND		ug/kg	1.54	0.549	A
4,4'-DDT	ND		ug/kg	2.88	1.24	A
Endosulfan I	ND		ug/kg	1.54	0.363	A
Endosulfan II	ND		ug/kg	1.54	0.514	A
Endosulfan sulfate	ND		ug/kg	0.641	0.305	A
Methoxychlor	ND		ug/kg	2.88	0.897	A
Toxaphene	ND		ug/kg	28.8	8.08	A
cis-Chlordane	ND		ug/kg	1.92	0.536	A
trans-Chlordane	ND		ug/kg	1.92	0.508	A
Chlordane	ND		ug/kg	12.5	5.10	A

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/05/18 18:49
 Analyst: KEG

Extraction Method: EPA 3546
 Extraction Date: 11/03/18 12:38
 Cleanup Method: EPA 3620B
 Cleanup Date: 11/04/18

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 03,10,16-17 Batch: WG1175683-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	86		30-150	B
Decachlorobiphenyl	100		30-150	B
2,4,5,6-Tetrachloro-m-xylene	87		30-150	A
Decachlorobiphenyl	66		30-150	A

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/05/18 11:03
 Analyst: DGM
 TCLP/SPLP Extraction Date: 11/02/18 06:22
 Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
 Extraction Date: 11/04/18 01:15

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 10 Batch: WG1175759-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	53		30-150	A
DCAA	52		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8151A
 Analytical Date: 11/05/18 13:53
 Analyst: DGM
 TCLP/SPLP Extraction Date: 11/02/18 06:22
 Methylation Date: 11/04/18 14:39

Extraction Method: EPA 8151A
 Extraction Date: 11/04/18 01:18

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Herbicides by EPA 1311 - Westborough Lab for sample(s): 16 Batch: WG1175760-1						
2,4-D	ND		mg/l	0.025	0.001	A
2,4,5-TP (Silvex)	ND		mg/l	0.005	0.001	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
DCAA	67		30-150	A
DCAA	62		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/06/18 17:09
 Analyst: KEG
 TCLP/SPLP Extraction Date: 11/02/18 06:22

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 15:43

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 16 Batch: WG1175838-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	101		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	105		30-150	B
Decachlorobiphenyl	63		30-150	B

Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 11/06/18 18:00
 Analyst: KEG
 TCLP/SPLP Extraction Date: 11/02/18 06:22

Extraction Method: EPA 3510C
 Extraction Date: 11/04/18 15:44

Parameter	Result	Qualifier	Units	RL	MDL	Column
TCLP Pesticides by EPA 1311 - Westborough Lab for sample(s): 10 Batch: WG1175839-1						
Lindane	ND		ug/l	0.100	0.022	A
Heptachlor	ND		ug/l	0.100	0.016	A
Heptachlor epoxide	ND		ug/l	0.100	0.021	A
Endrin	ND		ug/l	0.200	0.021	A
Methoxychlor	ND		ug/l	1.00	0.034	A
Toxaphene	ND		ug/l	1.00	0.314	A
Chlordane	ND		ug/l	1.00	0.232	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	130		30-150	A
Decachlorobiphenyl	134		30-150	A
2,4,5,6-Tetrachloro-m-xylene	137		30-150	B
Decachlorobiphenyl	131		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Chlorinated Herbicides by GC - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1174953-2 WG1174953-3									
2,4-D	118		113		30-150	4		30	A
2,4,5-T	84		81		30-150	4		30	A
2,4,5-TP (Silvex)	103		90		30-150	13		30	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	103		101		30-150	A
DCAA	90		111		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175683-2 WG1175683-3									
Delta-BHC	83		92		30-150	10		30	A
Lindane	80		85		30-150	6		30	A
Alpha-BHC	82		87		30-150	6		30	A
Beta-BHC	90		95		30-150	5		30	A
Heptachlor	53		55		30-150	4		30	A
Aldrin	79		80		30-150	1		30	A
Heptachlor epoxide	89		91		30-150	2		30	A
Endrin	88		90		30-150	2		30	A
Endrin aldehyde	72		79		30-150	9		30	A
Endrin ketone	84		94		30-150	11		30	A
Dieldrin	91		93		30-150	2		30	A
4,4'-DDE	90		92		30-150	2		30	A
4,4'-DDD	97		100		30-150	3		30	A
4,4'-DDT	93		95		30-150	2		30	A
Endosulfan I	76		78		30-150	3		30	A
Endosulfan II	86		90		30-150	5		30	A
Endosulfan sulfate	85		96		30-150	12		30	A
Methoxychlor	91		99		30-150	8		30	A
cis-Chlordane	70		70		30-150	0		30	A
trans-Chlordane	84		86		30-150	2		30	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 03,10,16-17 Batch: WG1175683-2 WG1175683-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	74		89		30-150	B
Decachlorobiphenyl	90		106		30-150	B
2,4,5,6-Tetrachloro-m-xylene	75		87		30-150	A
Decachlorobiphenyl	64		73		30-150	A

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 10 Batch: WG1175759-2 WG1175759-3									
2,4-D	110		104		30-150	6		25	A
2,4,5-TP (Silvex)	39		36		30-150	8		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	53		57		30-150	A
DCAA	51		62		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Herbicides by EPA 1311 - Westborough Lab Associated sample(s): 16 Batch: WG1175760-2 WG1175760-3									
2,4-D	119		122		30-150	2		25	A
2,4,5-TP (Silvex)	44		46		30-150	4		25	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
DCAA	65		67		30-150	A
DCAA	61		65		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 16 Batch: WG1175838-2 WG1175838-3									
Lindane	90		116		30-150	26	Q	20	A
Heptachlor	88		114		30-150	25	Q	20	A
Heptachlor epoxide	96		121		30-150	23	Q	20	A
Endrin	94		127		30-150	30	Q	20	A
Methoxychlor	93		130		30-150	33	Q	20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	94		117		30-150	A
Decachlorobiphenyl	72		104		30-150	A
2,4,5,6-Tetrachloro-m-xylene	95		123		30-150	B
Decachlorobiphenyl	62		90		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
TCLP Pesticides by EPA 1311 - Westborough Lab Associated sample(s): 10 Batch: WG1175839-2 WG1175839-3									
Lindane	108		112		30-150	4		20	A
Heptachlor	118		119		30-150	1		20	A
Heptachlor epoxide	109		126		30-150	14		20	A
Endrin	128		124		30-150	3		20	A
Methoxychlor	125		115		30-150	8		20	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		119		30-150	A
Decachlorobiphenyl	125		123		30-150	A
2,4,5,6-Tetrachloro-m-xylene	129		123		30-150	B
Decachlorobiphenyl	113		120		30-150	B

METALS

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-03

Date Collected: 11/01/18 09:35

Client ID: COMP10_0-13

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/02/18 06:22

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Barium, TCLP	0.656		mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Cadmium, TCLP	0.029	J	mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Chromium, TCLP	0.021	J	mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Lead, TCLP	9.94		mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:35	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 11:04	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-03

Date Collected: 11/01/18 09:35

Client ID: COMP10_0-13

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 86%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	4410		mg/kg	9.09	2.45	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Antimony, Total	0.564	J	mg/kg	4.54	0.345	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Arsenic, Total	6.44		mg/kg	0.909	0.189	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Barium, Total	667		mg/kg	0.909	0.158	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Beryllium, Total	0.200	J	mg/kg	0.454	0.030	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Cadmium, Total	1.50		mg/kg	0.909	0.089	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Calcium, Total	52200		mg/kg	9.09	3.18	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Chromium, Total	16.9		mg/kg	0.909	0.087	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Cobalt, Total	3.80		mg/kg	1.82	0.151	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Copper, Total	21.7		mg/kg	0.909	0.234	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Iron, Total	10300		mg/kg	4.54	0.821	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Lead, Total	1040		mg/kg	4.54	0.244	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Magnesium, Total	2460		mg/kg	9.09	1.40	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Manganese, Total	231		mg/kg	0.909	0.144	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Mercury, Total	0.670		mg/kg	0.074	0.016	1	11/03/18 07:45	11/05/18 13:29	EPA 7471B	1,7471B	MG
Nickel, Total	14.4		mg/kg	2.27	0.220	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Potassium, Total	952		mg/kg	227	13.1	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Selenium, Total	0.709	J	mg/kg	1.82	0.234	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Silver, Total	ND		mg/kg	0.909	0.257	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Sodium, Total	356		mg/kg	182	2.86	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Thallium, Total	ND		mg/kg	1.82	0.286	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Vanadium, Total	15.2		mg/kg	0.909	0.184	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE
Zinc, Total	959		mg/kg	4.54	0.266	2	11/02/18 20:23	11/07/18 17:56	EPA 3050B	1,6010D	PE



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-10

Date Collected: 11/01/18 12:30

Client ID: COMP09_0-13

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/02/18 06:22

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Barium, TCLP	0.795		mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Cadmium, TCLP	0.037	J	mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Chromium, TCLP	0.038	J	mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Lead, TCLP	20.3		mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:40	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 11:31	EPA 3015	1,6010D	LC



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-10

Date Collected: 11/01/18 12:30

Client ID: COMP09_0-13

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	5470		mg/kg	9.53	2.57	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Antimony, Total	0.858	J	mg/kg	4.76	0.362	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Arsenic, Total	6.67		mg/kg	0.953	0.198	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Barium, Total	738		mg/kg	0.953	0.166	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Beryllium, Total	0.200	J	mg/kg	0.476	0.031	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Cadmium, Total	1.40		mg/kg	0.953	0.093	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Calcium, Total	49200		mg/kg	9.53	3.34	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Chromium, Total	18.5		mg/kg	0.953	0.092	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Cobalt, Total	3.91		mg/kg	1.91	0.158	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Copper, Total	15.9		mg/kg	0.953	0.246	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Iron, Total	9980		mg/kg	4.76	0.861	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Lead, Total	1120		mg/kg	4.76	0.255	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Magnesium, Total	9660		mg/kg	9.53	1.47	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Manganese, Total	306		mg/kg	0.953	0.152	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Mercury, Total	0.631		mg/kg	0.081	0.017	1	11/03/18 07:45	11/05/18 13:31	EPA 7471B	1,7471B	MG
Nickel, Total	12.1		mg/kg	2.38	0.231	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Potassium, Total	926		mg/kg	238	13.7	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Selenium, Total	0.772	J	mg/kg	1.91	0.246	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Silver, Total	ND		mg/kg	0.953	0.270	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Sodium, Total	368		mg/kg	191	3.00	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Thallium, Total	ND		mg/kg	1.91	0.300	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Vanadium, Total	17.0		mg/kg	0.953	0.193	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR
Zinc, Total	638		mg/kg	4.76	0.279	2	11/02/18 20:23	11/07/18 18:17	EPA 3050B	1,6010D	MR



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-16

Date Collected: 11/01/18 11:30

Client ID: COMP_PI_S_9-23

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/02/18 06:22

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Barium, TCLP	0.461	J	mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Lead, TCLP	0.177	J	mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:24	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 12:54	EPA 3015	1,6010D	PE



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-16

Date Collected: 11/01/18 11:30

Client ID: COMP_PI_S_9-23

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 78%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	6950		mg/kg	9.99	2.70	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.99	0.380	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Arsenic, Total	2.37		mg/kg	0.999	0.208	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Barium, Total	77.0		mg/kg	0.999	0.174	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Beryllium, Total	0.310	J	mg/kg	0.499	0.033	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Cadmium, Total	0.160	J	mg/kg	0.999	0.098	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Calcium, Total	6200		mg/kg	9.99	3.50	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Chromium, Total	11.6		mg/kg	0.999	0.096	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Cobalt, Total	4.35		mg/kg	2.00	0.166	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Copper, Total	9.34		mg/kg	0.999	0.258	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Iron, Total	10400		mg/kg	4.99	0.902	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Lead, Total	27.3		mg/kg	4.99	0.268	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Magnesium, Total	3250		mg/kg	9.99	1.54	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Manganese, Total	157		mg/kg	0.999	0.159	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.081	0.017	1	11/03/18 07:45	11/05/18 13:32	EPA 7471B	1,7471B	MG
Nickel, Total	11.6		mg/kg	2.50	0.242	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Potassium, Total	889		mg/kg	250	14.4	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Selenium, Total	0.679	J	mg/kg	2.00	0.258	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.999	0.283	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Sodium, Total	146	J	mg/kg	200	3.14	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	2.00	0.314	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Vanadium, Total	15.2		mg/kg	0.999	0.203	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC
Zinc, Total	47.8		mg/kg	4.99	0.293	2	11/02/18 20:23	11/07/18 19:11	EPA 3050B	1,6010D	MC



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-17

Date Collected: 11/01/18 11:25

Client ID: COMP0910_13-22

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

TCLP/SPLP Ext. Date: 11/02/18 06:22

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab											
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Barium, TCLP	0.137	J	mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:26	EPA 7470A	1,7470A	EA
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 12:58	EPA 3015	1,6010D	PE



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**SAMPLE RESULTS**

Lab ID: L1844810-17

Date Collected: 11/01/18 11:25

Client ID: COMP0910_13-22

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 82%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	9850		mg/kg	9.47	2.56	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Antimony, Total	ND		mg/kg	4.74	0.360	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Arsenic, Total	2.94		mg/kg	0.947	0.197	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Barium, Total	16.0		mg/kg	0.947	0.165	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Beryllium, Total	0.265	J	mg/kg	0.474	0.031	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Cadmium, Total	0.161	J	mg/kg	0.947	0.093	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Calcium, Total	454		mg/kg	9.47	3.32	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Chromium, Total	11.9		mg/kg	0.947	0.091	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Cobalt, Total	6.00		mg/kg	1.89	0.157	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Copper, Total	15.2		mg/kg	0.947	0.244	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Iron, Total	13500		mg/kg	4.74	0.855	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Lead, Total	6.87		mg/kg	4.74	0.254	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Magnesium, Total	3360		mg/kg	9.47	1.46	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Manganese, Total	110		mg/kg	0.947	0.151	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Mercury, Total	ND		mg/kg	0.077	0.016	1	11/03/18 07:45	11/05/18 13:34	EPA 7471B	1,7471B	MG
Nickel, Total	14.2		mg/kg	2.37	0.229	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Potassium, Total	645		mg/kg	237	13.6	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Selenium, Total	0.625	J	mg/kg	1.89	0.244	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Silver, Total	ND		mg/kg	0.947	0.268	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Sodium, Total	76.8	J	mg/kg	189	2.98	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Thallium, Total	ND		mg/kg	1.89	0.298	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Vanadium, Total	13.0		mg/kg	0.947	0.192	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC
Zinc, Total	34.8		mg/kg	4.74	0.278	2	11/02/18 20:23	11/07/18 19:15	EPA 3050B	1,6010D	MC



Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,10,16-17 Batch: WG1175460-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Antimony, Total	ND		mg/kg	2.00	0.152	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Arsenic, Total	ND		mg/kg	0.400	0.083	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Barium, Total	ND		mg/kg	0.400	0.070	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Beryllium, Total	ND		mg/kg	0.200	0.013	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Cadmium, Total	ND		mg/kg	0.400	0.039	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Calcium, Total	ND		mg/kg	4.00	1.40	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Chromium, Total	ND		mg/kg	0.400	0.038	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Cobalt, Total	ND		mg/kg	0.800	0.066	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Copper, Total	ND		mg/kg	0.400	0.103	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Iron, Total	ND		mg/kg	2.00	0.361	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Lead, Total	ND		mg/kg	2.00	0.107	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Magnesium, Total	ND		mg/kg	4.00	0.616	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Manganese, Total	ND		mg/kg	0.400	0.064	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Nickel, Total	ND		mg/kg	1.00	0.097	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Potassium, Total	ND		mg/kg	100	5.76	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Selenium, Total	0.136	J	mg/kg	0.800	0.103	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Silver, Total	ND		mg/kg	0.400	0.113	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Sodium, Total	2.22	J	mg/kg	80.0	1.26	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Thallium, Total	ND		mg/kg	0.800	0.126	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Vanadium, Total	ND		mg/kg	0.400	0.081	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE
Zinc, Total	ND		mg/kg	2.00	0.117	1	11/02/18 20:23	11/07/18 16:28	1,6010D	PE

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 03,10,16-17 Batch: WG1175570-1										
Mercury, Total	ND		mg/kg	0.083	0.018	1	11/03/18 07:45	11/05/18 12:19	1,7471B	MG



Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 16-17 Batch: WG1176951-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:15	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/02/18 06:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,10 Batch: WG1176955-1										
Mercury, TCLP	ND		mg/l	0.0010	0.0003	1	11/07/18 13:06	11/07/18 21:27	1,7470A	EA

Prep Information

Digestion Method: EPA 7470A

TCLP/SPLP Extraction Date: 11/02/18 06:22

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 16-17 Batch: WG1177057-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Barium, TCLP	0.040	J	mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 12:25	1,6010D	PE

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/18 06:22



Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
TCLP Metals by EPA 1311 - Mansfield Lab for sample(s): 03,10 Batch: WG1177058-1										
Arsenic, TCLP	ND		mg/l	1.00	0.019	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Barium, TCLP	0.046	J	mg/l	0.500	0.021	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Cadmium, TCLP	ND		mg/l	0.100	0.010	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Chromium, TCLP	ND		mg/l	0.200	0.021	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Lead, TCLP	ND		mg/l	0.500	0.027	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Selenium, TCLP	ND		mg/l	0.500	0.035	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC
Silver, TCLP	ND		mg/l	0.100	0.028	1	11/07/18 17:02	11/08/18 10:27	1,6010D	LC

Prep Information

Digestion Method: EPA 3015

TCLP/SPLP Extraction Date: 11/02/18 06:22

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 Batch: WG1175460-2 SRM Lot Number: D102-540								
Aluminum, Total	81		-		49-150	-		
Antimony, Total	137		-		1-199	-		
Arsenic, Total	104		-		83-117	-		
Barium, Total	100		-		83-118	-		
Beryllium, Total	97		-		83-116	-		
Cadmium, Total	98		-		83-118	-		
Calcium, Total	97		-		82-118	-		
Chromium, Total	100		-		83-117	-		
Cobalt, Total	100		-		84-116	-		
Copper, Total	96		-		84-116	-		
Iron, Total	108		-		61-139	-		
Lead, Total	101		-		82-118	-		
Magnesium, Total	90		-		76-124	-		
Manganese, Total	98		-		82-118	-		
Nickel, Total	100		-		83-117	-		
Potassium, Total	91		-		70-130	-		
Selenium, Total	103		-		79-121	-		
Silver, Total	102		-		80-120	-		
Sodium, Total	100		-		74-126	-		
Thallium, Total	101		-		81-119	-		
Vanadium, Total	96		-		80-120	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 Batch: WG1175460-2 SRM Lot Number: D102-540					
Zinc, Total	100	-	81-118	-	
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 Batch: WG1175570-2 SRM Lot Number: D102-540					
Mercury, Total	111	-	65-134	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 Batch: WG1176951-2					
Mercury, TCLP	102	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 Batch: WG1176955-2					
Mercury, TCLP	100	-	80-120	-	
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 Batch: WG1177057-2					
Arsenic, TCLP	107	-	75-125	-	20
Barium, TCLP	100	-	75-125	-	20
Cadmium, TCLP	104	-	75-125	-	20
Chromium, TCLP	99	-	75-125	-	20
Lead, TCLP	100	-	75-125	-	20
Selenium, TCLP	105	-	75-125	-	20
Silver, TCLP	93	-	75-125	-	20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 Batch: WG1177058-2					
Arsenic, TCLP	101	-	75-125	-	20
Barium, TCLP	99	-	75-125	-	20
Cadmium, TCLP	101	-	75-125	-	20
Chromium, TCLP	98	-	75-125	-	20
Lead, TCLP	99	-	75-125	-	20
Selenium, TCLP	107	-	75-125	-	20
Silver, TCLP	96	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 QC Batch ID: WG1175460-3 QC Sample: L1844756-01 Client ID: MS Sample												
Aluminum, Total	6270	176	6680	232	Q	-	-		75-125	-		20
Antimony, Total	3.35J	44.1	39.4	89		-	-		75-125	-		20
Arsenic, Total	7.85	10.6	22.5	138	Q	-	-		75-125	-		20
Barium, Total	382.	176	514	75		-	-		75-125	-		20
Beryllium, Total	0.180J	4.41	4.25	96		-	-		75-125	-		20
Cadmium, Total	0.848J	4.5	5.30	118		-	-		75-125	-		20
Calcium, Total	11400	882	17000	634	Q	-	-		75-125	-		20
Chromium, Total	21.6	17.6	36.1	82		-	-		75-125	-		20
Cobalt, Total	6.67	44.1	45.4	88		-	-		75-125	-		20
Copper, Total	140.	22.1	156	72	Q	-	-		75-125	-		20
Iron, Total	19400	88.2	27100	8720	Q	-	-		75-125	-		20
Lead, Total	1290	45	764	0	Q	-	-		75-125	-		20
Magnesium, Total	3220	882	6650	389	Q	-	-		75-125	-		20
Manganese, Total	292.	44.1	309	38	Q	-	-		75-125	-		20
Nickel, Total	26.6	44.1	71.3	101		-	-		75-125	-		20
Potassium, Total	1070	882	1890	93		-	-		75-125	-		20
Selenium, Total	0.767J	10.6	10.6	100		-	-		75-125	-		20
Silver, Total	1.00	26.5	26.2	95		-	-		75-125	-		20
Sodium, Total	449.	882	1380	105		-	-		75-125	-		20
Thallium, Total	ND	10.6	7.93	75		-	-		75-125	-		20
Vanadium, Total	68.6	44.1	162	212	Q	-	-		75-125	-		20

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 QC Batch ID: WG1175460-3 QC Sample: L1844756-01 Client ID: MS Sample									
Zinc, Total	418.	44.1	460	95	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 QC Batch ID: WG1175570-3 WG1175570-4 QC Sample: L1844837-03 Client ID: MS Sample									
Mercury, Total	0.051J	0.219	0.302	138	Q	0.323	147	Q	80-120 7 20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1176951-3 QC Sample: L1844683-01 Client ID: MS Sample									
Mercury, TCLP	ND	0.025	0.0249	99	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 QC Batch ID: WG1176955-3 QC Sample: L1844810-03 Client ID: COMP10_0-13									
Mercury, TCLP	ND	0.025	0.0238	95	-	-	80-120	-	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1177057-3 QC Sample: L1844683-01 Client ID: MS Sample									
Arsenic, TCLP	ND	1.2	1.25	104	-	-	75-125	-	20
Barium, TCLP	0.290J	20	19.9	100	-	-	75-125	-	20
Cadmium, TCLP	ND	0.51	0.520	102	-	-	75-125	-	20
Chromium, TCLP	ND	2	1.94	97	-	-	75-125	-	20
Lead, TCLP	ND	5.1	5.04	99	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.25	104	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.462	92	-	-	75-125	-	20

Matrix Spike Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 QC Batch ID: WG1177058-3 QC Sample: L1844810-03 Client ID: COMP10_0-13									
Arsenic, TCLP	ND	1.2	1.24	103	-	-	75-125	-	20
Barium, TCLP	0.656	20	20.6	100	-	-	75-125	-	20
Cadmium, TCLP	0.029J	0.51	0.541	106	-	-	75-125	-	20
Chromium, TCLP	0.021J	2	1.95	98	-	-	75-125	-	20
Lead, TCLP	9.94	5.1	14.9	97	-	-	75-125	-	20
Selenium, TCLP	ND	1.2	1.32	110	-	-	75-125	-	20
Silver, TCLP	ND	0.5	0.492	98	-	-	75-125	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 QC Batch ID: WG1175460-4 QC Sample: L1844756-01 Client ID: DUP Sample						
Aluminum, Total	6270	6580	mg/kg	5		20
Antimony, Total	3.35J	3.62J	mg/kg	NC		20
Arsenic, Total	7.85	12.9	mg/kg	49	Q	20
Barium, Total	382.	251	mg/kg	41	Q	20
Beryllium, Total	0.180J	0.267J	mg/kg	NC		20
Cadmium, Total	0.848J	0.982	mg/kg	NC		20
Calcium, Total	11400	11700	mg/kg	3		20
Chromium, Total	21.6	20.7	mg/kg	4		20
Cobalt, Total	6.67	6.98	mg/kg	5		20
Copper, Total	140.	138	mg/kg	1		20
Iron, Total	19400	23700	mg/kg	20		20
Lead, Total	1290	481	mg/kg	91	Q	20
Magnesium, Total	3220	3550	mg/kg	10		20
Manganese, Total	292.	288	mg/kg	1		20
Nickel, Total	26.6	27.9	mg/kg	5		20
Potassium, Total	1070	963	mg/kg	11		20
Selenium, Total	0.767J	0.637J	mg/kg	NC		20
Silver, Total	1.00	0.646J	mg/kg	NC		20
Sodium, Total	449.	410	mg/kg	9		20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 03,10,16-17 QC Batch ID: WG1175460-4 QC Sample: L1844756-01 Client ID: DUP Sample					
Thallium, Total	ND	ND	mg/kg	NC	20
Vanadium, Total	68.6	126	mg/kg	59 Q	20
Zinc, Total	418.	467	mg/kg	11	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1176951-4 QC Sample: L1844683-01 Client ID: DUP Sample					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 QC Batch ID: WG1176955-4 QC Sample: L1844810-03 Client ID: COMP10_0-13					
Mercury, TCLP	ND	ND	mg/l	NC	20
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 16-17 QC Batch ID: WG1177057-4 QC Sample: L1844683-01 Client ID: DUP Sample					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.290J	0.287J	mg/l	NC	20
Cadmium, TCLP	ND	ND	mg/l	NC	20
Chromium, TCLP	ND	ND	mg/l	NC	20
Lead, TCLP	ND	ND	mg/l	NC	20
Selenium, TCLP	ND	ND	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L1844810
Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	RPD Limits
TCLP Metals by EPA 1311 - Mansfield Lab Associated sample(s): 03,10 QC Batch ID: WG1177058-4 QC Sample: L1844810-03 Client ID: COMP10_0-13					
Arsenic, TCLP	ND	ND	mg/l	NC	20
Barium, TCLP	0.656	0.652	mg/l	1	20
Cadmium, TCLP	0.029J	0.028J	mg/l	NC	20
Chromium, TCLP	0.021J	ND	mg/l	NC	20
Lead, TCLP	9.94	9.96	mg/l	0	20
Selenium, TCLP	ND	0.038J	mg/l	NC	20
Silver, TCLP	ND	ND	mg/l	NC	20

INORGANICS & MISCELLANEOUS

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/05/18 10:46	1,1030	GD



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Test Material Information

Source of Material: Unknown
Description of Material: Non-Metallic - Damp Soil
Particle Size: Medium
Preliminary Burning Time (sec): 120

Parameter	Result	Date Analyzed	Analytical Method	Analyst
Ignitability of Solids - Westborough Lab				
Ignitability	NI	11/05/18 10:46	1,1030	GD



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-01**Client ID:** WC20_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 08:15**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-02**Client ID:** WC20_18-20**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 08:30**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.0		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-03

Date Collected: 11/01/18 09:35

Client ID: COMP10_0-13

Date Received: 11/01/18

Sample Location: MANHATTAN, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	86.0		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Cyanide, Total	1.5		mg/kg	1.1	0.24	1	11/06/18 10:50	11/06/18 12:55	1,9010C/9012B	LH
Chromium, Hexavalent	0.256	J	mg/kg	0.930	0.186	1	11/05/18 23:20	11/06/18 09:41	1,7196A	NH



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-09**Client ID:** WC18_6-8**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 10:40**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	82.1		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-10
Client ID: COMP09_0-13
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 12:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.0		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Cyanide, Total	1.0	J	mg/kg	1.2	0.26	1	11/02/18 17:54	11/05/18 12:01	1,9010C/9012B	LH
pH (H)	10.3		SU	-	NA	1	-	11/02/18 19:30	1,9045D	JW
Chromium, Hexavalent	0.278	J	mg/kg	1.01	0.202	1	11/02/18 19:10	11/05/18 11:04	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:51	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:29	125,7.3	RM
Paint Filter Liquid	POSITIVE		-	0	NA	1	-	11/02/18 21:15	1,9095B	AS



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-16
Client ID: COMP_PI_S_9-23
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:30
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.5		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.26	1	11/02/18 17:54	11/05/18 12:02	1,9010C/9012B	LH
pH (H)	8.3		SU	-	NA	1	-	11/02/18 19:30	1,9045D	JW
Chromium, Hexavalent	ND		mg/kg	1.03	0.206	1	11/02/18 19:10	11/05/18 11:04	1,7196A	NH
Cyanide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:51	125,7.3	RM
Sulfide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:29	125,7.3	RM
Paint Filter Liquid	NEGATIVE		-	0	NA	1	-	11/02/18 21:15	1,9095B	AS



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-17
Client ID: COMP0910_13-22
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 11:25
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	81.9		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Cyanide, Total	ND		mg/kg	1.2	0.25	1	11/02/18 17:54	11/05/18 12:05	1,9010C/9012B	LH
Chromium, Hexavalent	ND		mg/kg	0.977	0.195	1	11/02/18 19:10	11/05/18 11:04	1,7196A	NH



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-18**Client ID:** WC18_13-15**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 10:55**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.6		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-19**Client ID:** EB22_12-14**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 13:40**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.0		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-20**Client ID:** EB22_23-24**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 14:00**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-21
Client ID: EB21_12-15
Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 14:45
Date Received: 11/01/18
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	10700		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	13000		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Average)	11800		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
General Chemistry - Westborough Lab										
Solids, Total	78.8		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Chemical Oxygen Demand	7330		mg/kg	1020	1020	4	11/05/18 20:10	11/05/18 23:04	121,5220D(M)	TL



Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

SAMPLE RESULTS

Lab ID: L1844810-22

Client ID: EB21_15-22

Sample Location: MANHATTAN, NY

Date Collected: 11/01/18 14:45

Date Received: 11/01/18

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Organic Carbon - Mansfield Lab										
Total Organic Carbon (Rep1)	1520		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	1420		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Average)	1470		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
General Chemistry - Westborough Lab										
Solids, Total	87.4		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI
Chemical Oxygen Demand	6050		mg/kg	915	915.	4	11/05/18 20:10	11/05/18 23:04	121,5220D(M)	TL



Project Name: 551 GREENWICH ST.**Project Number:** 190043701**Lab Number:** L1844810**Report Date:** 02/12/19**SAMPLE RESULTS****Lab ID:** L1844810-24**Client ID:** EB21_9-11**Sample Location:** MANHATTAN, NY**Date Collected:** 11/01/18 15:45**Date Received:** 11/01/18**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	54.7		%	0.100	NA	1	-	11/02/18 12:17	121,2540G	RI



Project Name: 551 GREENWICH ST.

Lab Number: L1844810

Project Number: 190043701

Report Date: 02/12/19

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab for sample(s): 10,16-17 Batch: WG1175383-1										
Cyanide, Total	ND		mg/kg	0.93	0.20	1	11/02/18 17:54	11/05/18 11:35	1,9010C/9012B	LH
General Chemistry - Westborough Lab for sample(s): 10,16-17 Batch: WG1175508-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/02/18 19:10	11/05/18 11:04	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 10,16 Batch: WG1175656-1										
Sulfide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:27	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 10,16 Batch: WG1175659-1										
Cyanide, Reactive	ND		mg/kg	10	10.	1	11/03/18 11:05	11/03/18 12:48	125,7.3	RM
General Chemistry - Westborough Lab for sample(s): 21-22 Batch: WG1176165-1										
Chemical Oxygen Demand	ND		mg/kg	200	200.	1	11/05/18 20:10	11/05/18 23:05	121,5220D(M)	TL
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1176245-1										
Chromium, Hexavalent	ND		mg/kg	0.800	0.160	1	11/05/18 23:20	11/06/18 09:41	1,7196A	NH
General Chemistry - Westborough Lab for sample(s): 03 Batch: WG1176405-1										
Cyanide, Total	ND		mg/kg	0.88	0.19	1	11/06/18 10:50	11/06/18 12:51	1,9010C/9012B	LH
Total Organic Carbon - Mansfield Lab for sample(s): 21-22 Batch: WG1177438-1										
Total Organic Carbon (Rep1)	ND		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP
Total Organic Carbon (Rep2)	ND		mg/kg	500	500.	1	-	11/08/18 00:00	13,-	SP

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10,16-17 Batch: WG1175383-2 WG1175383-3								
Cyanide, Total	72	Q	94		80-120	23		35
General Chemistry - Westborough Lab Associated sample(s): 10,16 Batch: WG1175479-1								
pH	100		-		99-101	-		
General Chemistry - Westborough Lab Associated sample(s): 10,16-17 Batch: WG1175508-2								
Chromium, Hexavalent	76	Q	-		80-120	-		20
General Chemistry - Westborough Lab Associated sample(s): 10,16 Batch: WG1175656-2								
Sulfide, Reactive	75		-		60-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 10,16 Batch: WG1175659-2								
Cyanide, Reactive	48		-		30-125	-		40
General Chemistry - Westborough Lab Associated sample(s): 21-22 Batch: WG1176165-2								
Chemical Oxygen Demand	108		-		85-115	-		
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1176245-2								
Chromium, Hexavalent	80		-		80-120	-		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	LCS %Recovery	LCSD %Recovery		%Recovery Limits	RPD	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 03 Batch: WG1176405-2 WG1176405-3						
Cyanide, Total	102	79	Q	80-120	23	35
Total Organic Carbon - Mansfield Lab Associated sample(s): 21-22 Batch: WG1177438-2						
Total Organic Carbon (Rep1)	97	-		75-125	-	25
Total Organic Carbon (Rep2)	81	-		75-125	-	25

Matrix Spike Analysis **Batch Quality Control**

Project Name: 551 GREENWICH ST.

Project Number: 190043701

Lab Number: L1844810

Report Date: 02/12/19

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 10,16-17 QC Batch ID: WG1175383-4 WG1175383-5 QC Sample: L1844559-04 Client ID: MS Sample												
Cyanide, Total	ND	75	70	94		64	90		75-125	9		35
General Chemistry - Westborough Lab Associated sample(s): 10,16-17 QC Batch ID: WG1175508-4 QC Sample: L1844810-17 Client ID: COMP0910_13-22												
Chromium, Hexavalent	ND	1060	809	76		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1176165-3 QC Sample: L1844810-22 Client ID: EB21_15-22												
Chemical Oxygen Demand	6050	2830	8650	92		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1176245-4 QC Sample: L1844810-03 Client ID: COMP10_0-13												
Chromium, Hexavalent	0.256J	1020	1030	101		-	-		75-125	-		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1176405-4 WG1176405-5 QC Sample: L1845059-02 Client ID: MS Sample												
Cyanide, Total	ND	25	25	100		24	96		75-125	4		35
Total Organic Carbon - Mansfield Lab Associated sample(s): 21-22 QC Batch ID: WG1177438-4 QC Sample: L1844810-21 Client ID: EB21_12-15												
Total Organic Carbon (Rep1)	10700	10600	26500	148	Q	-	-		75-125	-		25
Total Organic Carbon (Rep2)	13000	9680	22600	99		-	-		75-125	-		25

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-03,09-10,16-22,24 QC Batch ID: WG1175235-1 QC Sample: L1844810-19 Client ID: EB22_12-14						
Solids, Total	78.0	72.5	%	7		20
General Chemistry - Westborough Lab Associated sample(s): 10,16 QC Batch ID: WG1175479-2 QC Sample: L1844751-01 Client ID: DUP Sample						
pH	8.0	8.0	SU	0		5
General Chemistry - Westborough Lab Associated sample(s): 10,16-17 QC Batch ID: WG1175508-6 QC Sample: L1844810-17 Client ID: COMP0910_13-22						
Chromium, Hexavalent	ND	ND	mg/kg	NC		20
General Chemistry - Westborough Lab Associated sample(s): 10,16 QC Batch ID: WG1175656-3 QC Sample: L1844382-01 Client ID: DUP Sample						
Sulfide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 10,16 QC Batch ID: WG1175659-3 QC Sample: L1844382-01 Client ID: DUP Sample						
Cyanide, Reactive	ND	ND	mg/kg	NC		40
General Chemistry - Westborough Lab Associated sample(s): 21-22 QC Batch ID: WG1176165-4 QC Sample: L1844810-22 Client ID: EB21_15-22						
Chemical Oxygen Demand	6050	6090	mg/kg	1		20
General Chemistry - Westborough Lab Associated sample(s): 03 QC Batch ID: WG1176245-6 QC Sample: L1844810-03 Client ID: COMP10_0-13						
Chromium, Hexavalent	0.256J	0.570J	mg/kg	NC		20
Total Organic Carbon - Mansfield Lab Associated sample(s): 21-22 QC Batch ID: WG1177438-3 QC Sample: L1844810-21 Client ID: EB21_12-15						
Total Organic Carbon (Rep1)	10700	12700	mg/kg	17		25
Total Organic Carbon (Rep2)	13000	11700	mg/kg	11		25

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-01A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-01B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-01C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-01D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-01E	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1844810-02A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-02B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-02C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-02D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-02E	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		NJEPH-TPH-CAT1(14)
L1844810-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844810-03B	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844810-03C	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844810-03X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844810-03X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1844810-04A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-04B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-04X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-04X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-05A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-05B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-05X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-05X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-06A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-06B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-06X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-06X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-07A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-07B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-07X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-07X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-08A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-08B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-08X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-08X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-09A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-09B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-09C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-09D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-09E	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		HOLD-WETCHEM()
L1844810-10A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-TI(180),AS-TI(180),BA-TI(180),AG-TI(180),AL-TI(180),CR-TI(180),NI-TI(180),TL-TI(180),CU-TI(180),PB-TI(180),SB-TI(180),SE-TI(180),ZN-TI(180),CO-TI(180),V-TI(180),FE-TI(180),HG-T(28),MG-TI(180),MN-TI(180),CA-TI(180),CD-TI(180),K-TI(180),NA-TI(180)
L1844810-10B	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121917:31
Lab Number: L1844810
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-10C	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844810-10D	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),HERB-APA(14),TS(7),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844810-10W	Amber 1000ml unpreserved Extracts	A	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1844810-10X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844810-10X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1844810-11A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-11B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-11X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-11X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-12A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-12B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-12X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-12X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-13A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-13B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-13X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-13X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-14A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-14B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-14X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-14X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-15A	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-15B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121917:31
Lab Number: L1844810
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-15X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-15X9	Tumble Vessel	A	NA		2.1	Y	Absent		HOLD-CONTINGENCY(14)
L1844810-16A	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-16B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844810-16C	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844810-16D	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844810-16E	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		IGNIT-1030(14),NYTCL-8270(14),REACTS(14),TCN-9010(14),TPH-GRO(14),HERB-APA(14),PH-9045(1),NYTCL-8081(14),PAINTF(),NYTCL-8082(14),REACTCN(14),HEXCR-7196(30)
L1844810-16E9	Vial MeOH preserved split	A	NA		2.1	Y	Absent		TPH-GRO(14)
L1844810-16W	Amber 1000ml unpreserved Extracts	A	NA		2.1	Y	Absent		TCLP-8270(14),HERB-TCLP*(14),PEST-TCLP*(14)
L1844810-16X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844810-16X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1844810-17A	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		BE-Ti(180),AS-Ti(180),BA-Ti(180),AG-Ti(180),AL-Ti(180),CR-Ti(180),NI-Ti(180),TL-Ti(180),CU-Ti(180),PB-Ti(180),SB-Ti(180),SE-Ti(180),ZN-Ti(180),CO-Ti(180),V-Ti(180),FE-Ti(180),HG-T(28),MG-Ti(180),MN-Ti(180),CA-Ti(180),CD-Ti(180),K-Ti(180),NA-Ti(180)
L1844810-17B	Glass 120ml/4oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)
L1844810-17C	Glass 500ml/16oz unpreserved	A	NA		2.1	Y	Absent		NYTCL-8270(14),TCN-9010(14),HERB-APA(14),TS(7),NYTCL-8081(14),NYTCL-8082(14),HEXCR-7196(30)

*Values in parentheses indicate holding time in days

Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-17X	Plastic 120ml HNO3 preserved Extracts	A	NA		2.1	Y	Absent		CD-CI(180),AS-CI(180),BA-CI(180),HG-C(28),PB-CI(180),CR-CI(180),SE-CI(180),AG-CI(180)
L1844810-17X9	Tumble Vessel	A	NA		2.1	Y	Absent		-
L1844810-18A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-18B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-18C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-18D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-19A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-19A1	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-19A2	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-19B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19B1	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19B2	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19C1	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19C2	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-19D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-19D1	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-19D2	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-20A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-20B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-20C	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-20D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)
L1844810-21A	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		COD-5220(28),TS(7)
L1844810-21B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		A2-TOC-LK-2REPS-PPM(14)
L1844810-21C	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		SUB-BOD()
L1844810-22A	Glass 60mL/2oz unpreserved	A	NA		2.1	Y	Absent		COD-5220(28),TS(7)
L1844810-22B	Glass 60ml unpreserved split	A	NA		2.1	Y	Absent		A2-TOC-LK-2REPS-PPM(14)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Serial_No: 02121917:31
Lab Number: L1844810
Report Date: 02/12/19

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L1844810-22C	Glass 250ml/8oz unpreserved	A	NA		2.1	Y	Absent		SUB-BOD()
L1844810-23A	Vial Large Septa unpreserved (4oz)	A	NA		2.1	Y	Absent		TCLP-EXT-ZHE(14)
L1844810-23S	Vial unpreserved Extracts	A	NA		2.1	Y	Absent		TCLP-VOA(14)
L1844810-23T	Vial unpreserved Extracts	A	NA		2.1	Y	Absent		TCLP-VOA(14)
L1844810-24A	Vial MeOH preserved	A	NA		2.1	Y	Absent		NYTCL-8260HLW(14)
L1844810-24B	Vial water preserved	A	NA		2.1	Y	Absent	02-NOV-18 06:42	NYTCL-8260HLW(14)
L1844810-24D	Plastic 2oz unpreserved for TS	A	NA		2.1	Y	Absent		TS(7)

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

GLOSSARY

Acronyms

EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total'

Report Format: DU Report with 'J' Qualifiers



Project Name: 551 GREENWICH ST.**Lab Number:** L1844810**Project Number:** 190043701**Report Date:** 02/12/19

result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensation Product".
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 551 GREENWICH ST.
Project Number: 190043701

Lab Number: L1844810
Report Date: 02/12/19

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 13 Determination of Total Organic Carbon in Sediment. U.S. EPA, Region II. July 27, 1988.
- 103 Analysis of Extractable Petroleum Hydrocarbon Compounds (EPH) in Aqueous and Soil/Sediment/Sludge Matrices. New Jersey Department of Environmental Protection, Site Remediation Program, (Version 1.1), Document # NJDEP EPH 10/08, Revision 3, August 2010.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 125 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates IIIA, April 1998.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 12

Published Date: 10/9/2018 4:58:19 PM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), Methyl methacrylate, 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**EPA 6860:** SCM: Perchlorate**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1 Hg. EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1 Hg.****SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

ALPHA Job #
L1844810

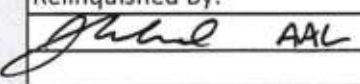
Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

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of 3

11/2/18

L1844810

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		Subcontract Chain of Custody Envirotest 315 Fullerton Avenue Newburgh, NY 12550		Alpha Job Number L1844810	
Client Information		Project Information		Regulatory Requirements/Report Limits	
Client: Alpha Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Phone: 201.812.2633 Email: brao@alphalab.com		Project Location: NY Project Manager: Ben Rao Turnaround & Deliverables Information Due Date: 11/14/18 Deliverables:		State/Federal Program: Regulatory Criteria:	
Project Specific Requirements and/or Report Requirements					
Reference following Alpha Job Number on final report/deliverables: L1844810				Report to include Method Blank, LCS/LCSD:	
Additional Comments: Send all results/reports to subreports@alphalab.com					
Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	EB21_12-15 EB21_15-22	11-01-18 14:45 11-01-18 14:45	SOIL SOIL	BOD BOD	
Relinquished By:		Date/Time:	Received By:	Date/Time:	
 AAL		11/5/18			
Form No: AL_subcoc					

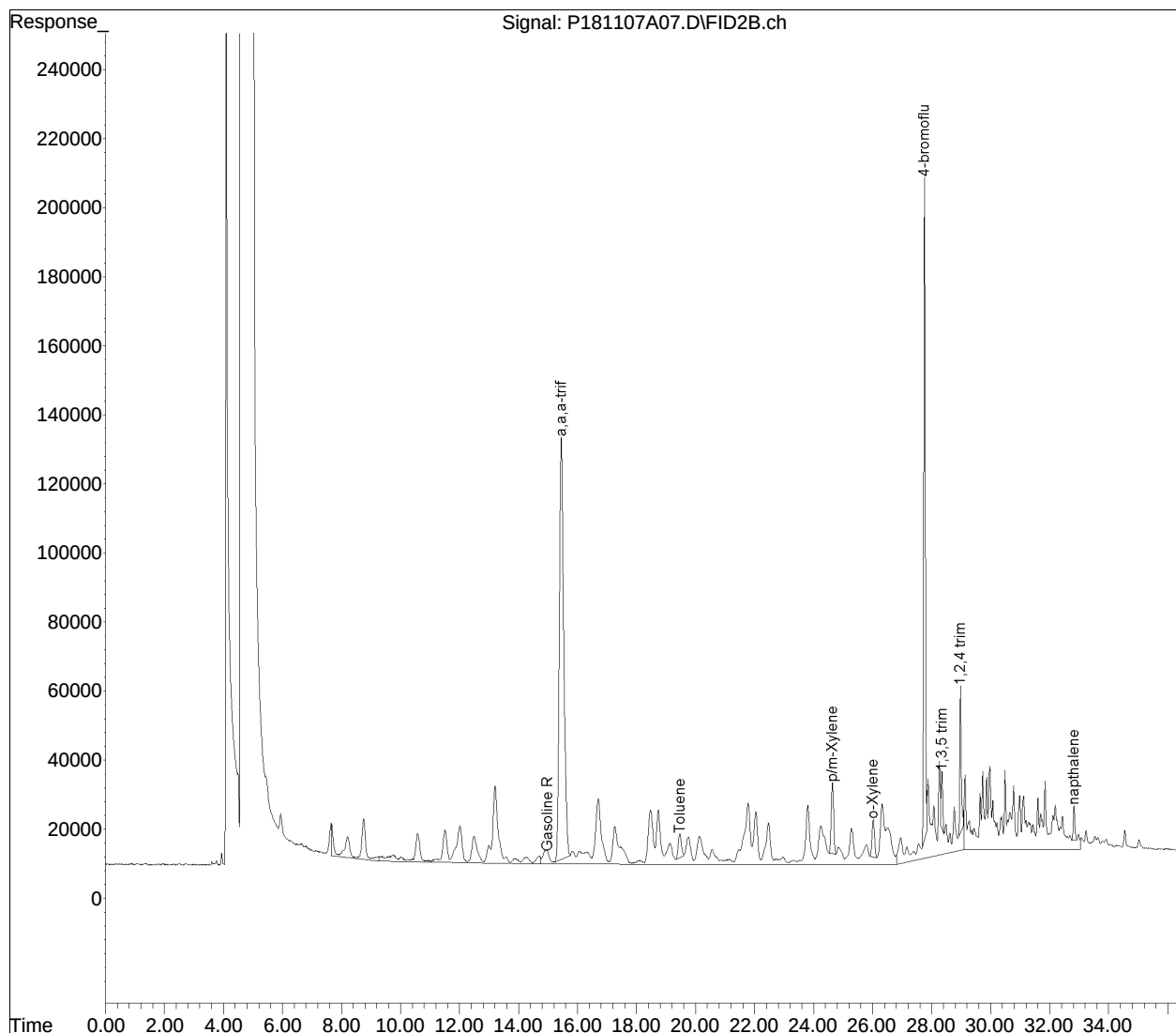
Quantitation Report (QT Reviewed)

Data Path : I:\VOLATILES_GC\PVPH\2018\181107Atphgro\
Data File : P181107A07.D
Signal(s) : FID2B.ch
Acq On : 7 Nov 2018 12:24 pm
Operator : PVPH:MZ
Sample : L1844810-16D,41,15,14.45,0.005,,E9
Misc : WG1176922,ICAL15039
ALS Vial : 7 Sample Multiplier: 1

Integration File: autoint1.e
Quant Time: Nov 07 14:16:07 2018
Quant Method : I:\VOLATILES_GC\PVPH\2018\181107Atphgro\tphgro180911A.m
Quant Title : TPH_GRO
QLast Update : Wed Sep 12 08:49:08 2018
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal Phase :
Signal Info :

Sub List : Default - All compounds listed





ANALYTICAL REPORT

Job Number: 420-145038-1

SDG Number: L1844810

Job Description: Alpha Analytical, Inc.

For:

Alpha Analytical

8 Walkup Drive

Westborough, MA 01581

Attention: Subcontract Reports

A handwritten signature in black ink that reads "Renee M. Cusack".

Renee Cusack

Lab Director

rcusack@envirotestlaboratories.com

11/14/2018

NYSDOH ELAP does not certify for all parameters. EnviroTest Laboratories does hold certification for all analytes where certification is offered by ELAP unless otherwise specified in the Certification Information section of this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval of the laboratory. EnviroTest Laboratories Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our laboratory. All questions regarding this report should be directed to the EnviroTest Customer Service Representative.

EnviroTest Laboratories, Inc. Certifications and Approvals: NYSDOH 10142, NJDEP NY015, CTDOH PH-0554

Envirotest Laboratories, Inc.

315 Fullerton Avenue, Newburgh, NY 12550

Tel (845) 562-0890 Fax (845) 562-0841 www.envirotestlaboratories.com



METHOD SUMMARY

Client: Alpha Analytical

Job Number: 420-145038-1

SDG Number: L1844810

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
5 Day BOD test	EnvTest	SM22 SM 5210B-2011	

Lab References:

EnvTest = EnviroTest

Method References:

SM22 = "Standard Methods for the Examination of Water and Wastewater", 22nd Edition

METHOD / ANALYST SUMMARY

Client: Alpha Analytical

Job Number: 420-145038-1

SDG Number: L1844810

Method	Analyst	Analyst ID
SM22 SM 5210B-2011	Wiedner, Camille	CW
SM SM2540B PSOL	Mastrobuono, Danielle	DM

SAMPLE SUMMARY

Client: Alpha Analytical

Job Number: 420-145038-1

SDG Number: L1844810

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
420-145038-1	EB21_12-15	Solid	11/01/2018 1445	11/06/2018 1055
420-145038-2	EB21_15-22	Solid	11/01/2018 1445	11/06/2018 1055

SAMPLE RESULTS

Subcontract Reports
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

Job Number: 420-145038-1
Sdg Number: L1844810

Client Sample ID: EB21_12-15
Lab Sample ID: 420-145038-1

Date Sampled: 11/01/2018 1445
Date Received: 11/06/2018 1055
Client Matrix: Solid
Percent Solids: 82

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: SM 5210B-2011					
Biochemical Oxygen Demand	77	mg/Kg Dry	72	72	29.62

Subcontract Reports
Alpha Analytical
8 Walkup Drive
Westborough, MA 01581

Job Number: 420-145038-1
Sdg Number: L1844810

Client Sample ID: EB21_15-22
Lab Sample ID: 420-145038-2

Date Sampled: 11/01/2018 1445
Date Received: 11/06/2018 1055
Client Matrix: Solid
Percent Solids: 87

Analyte	Result/Qualifier	Unit	RL	RL	Dilution
Method: SM 5210B-2011					
Biochemical Oxygen Demand	140	mg/Kg Dry	67	67	29.35

DATA REPORTING QUALIFIERS

Lab Section	Qualifier	Description

Definitions and Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
%R	Percent Recovery
DL, RA, RE	Indicates a Dilution, Reanalysis or Reextraction.
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit - an estimate of the minimum amount of a substance that an analytical process can reliably detect. A MDL is analyte- and matrix-specific and may be laboratory-dependent.
ND	Not detected at the reporting limit (or MDL if shown).
QC	Quality Control
RL	Reporting Limit - the minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence.
RPD	Relative Percent Difference - a measure of the relative difference between two points

QUALITY CONTROL RESULTS

Quality Control Results

Client: Alpha Analytical

Job Number: 420-145038-1

Sdg Number: L1844810

Lab Control Spike - Batch: 420-126237**Method: SM 5210B-2011****Preparation: N/A**

Lab Sample ID: LCS 420-126237/1

Analysis Batch: 420-126237

Instrument ID: No Equipment Assigned

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: mg/Kg Dry

Initial Weight/Volume: mL

Date Analyzed: 11/07/2018 1210

Final Weight/Volume: 300 mL

Date Prepared: N/A

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Biochemical Oxygen Demand	198	170	85	85 - 115	

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

Quality Control Results

Client: Alpha Analytical

Job Number: 420-145038-1

Sdg Number: L1844810

Duplicate - Batch: 420-126205**Method: SM2540B PSOL****Preparation: N/A**

Lab Sample ID: 420-144593-B-2 DU

Analysis Batch: 420-126205

Instrument ID: No Equipment Assigned

Client Matrix: Solid

Prep Batch: N/A

Lab File ID: N/A

Dilution: 1.0

Units: %

Initial Weight/Volume:

Date Analyzed: 11/06/2018 1645

Final Weight/Volume:

Date Prepared: N/A

Analyte	Sample Result/Qual	Result	RPD	Limit	Qual
Percent Solids	81	83	2	10	

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



Subcontract Chain of Custody

Envirotest
315 Fullerton Avenue
Newburgh, NY 12550

Alpha Job Number
L1844810

Client Information

Client: Alpha Analytical Labs
Address: Eight Walkup Drive
Westborough, MA 01581-1019

Phone: 201.812.2633
Email: brao@alphalab.com

Project Information

Project Location: NY
Project Manager: Ben Rao

Turnaround & Deliverables Information

Due Date: 11/14/18
Deliverables:

Regulatory Requirements/Report Limits

State/Federal Program:

Regulatory Criteria:

Project Specific Requirements and/or Report Requirements

Reference following Alpha Job Number on final report/deliverables: L1844810

Report to include Method Blank, LCS/LCSD:

Additional Comments: Send all results/reports to subreports@alphalab.com

Lab ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Batch QC
	EB21_12-15 EB21_15-22	11-01-18 14:45 11-01-18 14:45	SOIL SOIL	BOD BOD	
 420-145038-A-1 EB21_12-15 Date Sampled: 11/1/2018 420-1266639					
Form No: AL_subcoc		Relinquished By:		Date/Time:	Received By:
		 AAL		11/5/18	

10.6°C IR#4

IR4 0.4°C
UPS Next Day Air
IRK# 12E30654019864d662

LOGIN SAMPLE RECEIPT CHECK LIST

Client: Alpha Analytical

Job Number: 420-145038-1

SDG Number: L1844810

Login Number: 145038

Question	T/F/NA	Comment
Samples were collected by ETL employee as per SOP-SAM-1	NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is recorded.	True	10.6 C
Cooler Temp. is within method specified range.(0-6 C PW, 0-8 C NPW, or BAC <10 C	False	
If false, was sample received on ice within 6 hours of collection.	True	
Based on above criteria cooler temperature is acceptable.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	NA	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	