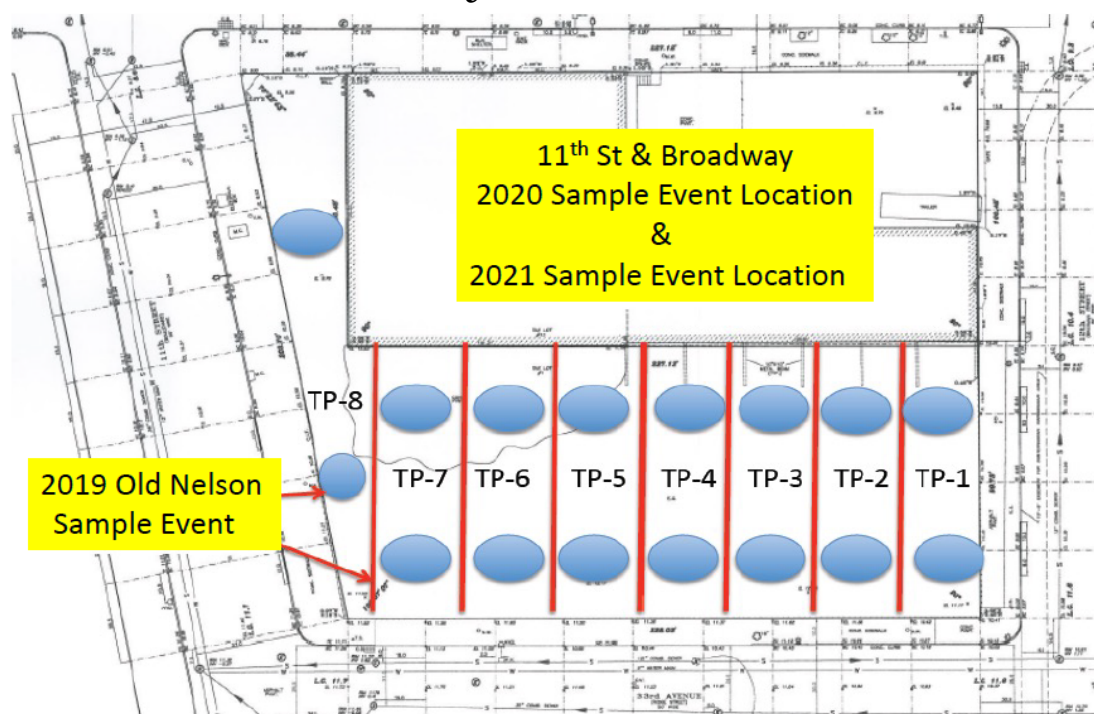


Restoration & Conservation LLC

Dr. James M. Cervino
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Phone: 917-620-5287
HAZMAT OSHA Certified #1805221

2021; Updated Characterization Report & Soils Characterization Report; Old Nelson Foundry 1106 Broadway, Astoria NY 11106



Prepared for:

Damien Smith, President
First Standard Construction
70 Lafayette St. 4th Floor New York, NY 10013

Prepared By:

Dr. James M. Cervino, QEP
Restoration and Conservation Advisement Group, LLC.
9-22 119th Street College Point, NY 11356

2021 Summary

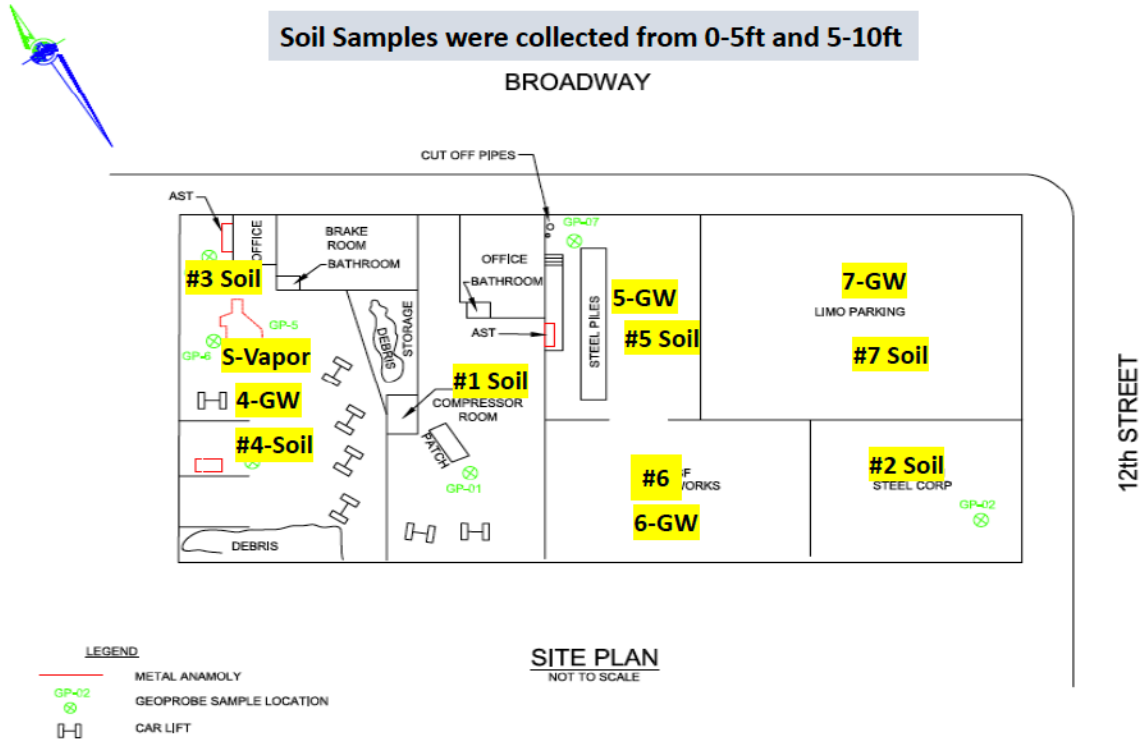
1106 Broadway, Astoria, NY 11106

On behalf of 1106 Broadway, Astoria, LLC, Restoration & Conservation Advisement Group LLC (RCA) of Queens, New York prepared this updated soil characterization report. During 2020 soil, GW and Vapor investigation was conducted to identify recognized environmental conditions (RECs) in accordance with ASTM Standard E-1527-13 at Old Nelson Foundry; 1106 Broadway, Astoria, NY 11106 (Figure 1 above), located in the heart of Queens, New York.

****Note;** All of the submitted investigation reports were conducted for the purposes of understanding the extent the properties remediation cost exposure; not entry into the Brownfield Program. The testing and reporting presented in said reports, would have been acceptable for any clean-up efforts needed, and would have the ability to obtain letters of acceptance into Hazardous Waste facilities under RCRA that accept such soils. These reports would have also been acceptable for the Non-Hazardous waste, ie “contaminated soils”, to be disposed of at any PADEP or NJDEP Non-Residential Use facilities.

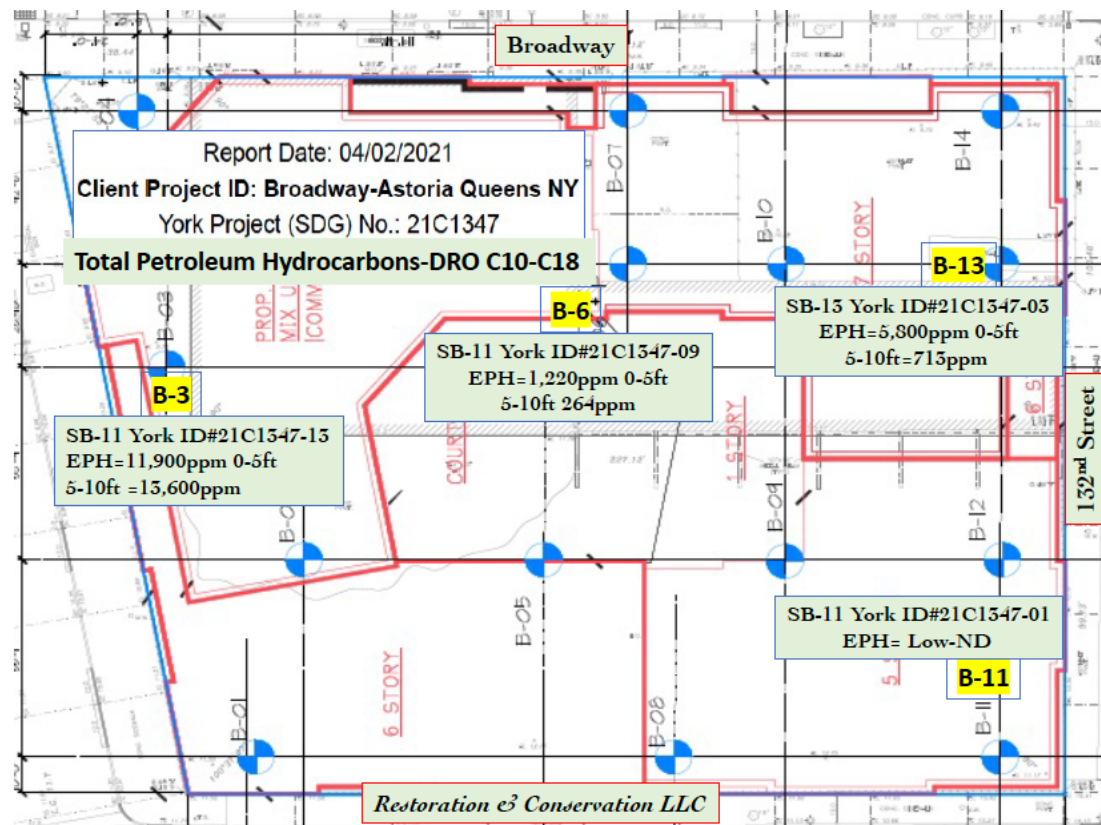
Since the prior Phase 2 investigation on both adjoining lots ; Old Nelson Foundry and 1106 Broadway, combined together as one property, Astoria, NY 11106. As an update investigation during 2020; we decided to obtain additional informational *in-situ* data to obtain a better understanding as to the extent of contamination at the property, due to the nature of the business, as an “auto-body repair” shop, we re-visited the site 1 year later to conduct core sampling to see if there were existing releases occurring and if, past releases, of hazardous substances or petroleum products still persisted within the Broadway property that acted as an RECs.

****Note;** Due to the Old Nelson side of the combined property being occupied by a tenant, we were unable to conduct updated and/or new sampling during 2021.



2020 Above MAP

2021 Below MAP



Updated & Revisited Sample Event March 2021 For 11th Street and Broadway

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21C1347-01	SB11 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-02	SB11 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-03	SB11 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-04	SB11 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-05	SB13 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-06	SB13 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-07	SB13 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-08	SB13 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-09	SB6 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-10	SB6 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-11	SB6 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-12	SB6 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-13	SB3 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-14	SB3 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-15	SB3 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-16	SB3 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-17	Trip Blank	Water	03/24/2021	03/26/2021

2021 Methods & Logistical Approach

For the purposes of conducting an in-depth understanding of the extent of RECs that were presented in the Phase 2 Report during 2020 for 1106 Broadway Long Island City and 2019 Old Nelson Foundry Phase 2 Report, we decided to collect samples at locations that were inaccessible during 2020. See above Map 2021 and 2020 respectively. Confirmation related to the extent of petroleum contamination does show to be persistent in the below boring locations that are also detailed on the Map 2021.

PID-VOC and findings elaborated. See (Appendix 1a-1b)

B-11

PID-VOC readings; #1) Grab= 10ppm, #2) Grab= NDppm, #3) NDppm,
Shows clean soils meeting 6NYCRR Unrestricted Use SCO.

B-13

PID-VOC readings; #1) Grab= 76ppm, #2) Grab= 92ppm, #3) 101ppm,
0-5ft shows strong petroleum odors and also as deep as 5-10ft. Exceedances in metals when compared to 6NYCRR NYSDEC Unrestricted Use SCO were also found in shallower depths,

B-6

0-5ft; PID-VOC readings; #1) Grab= 107ppm, #2) Grab= 78ppm, #3) 71ppm, 0-5ft shows gross contamination in the physical appearance of the soil and due to SVOCs above 6NYCRR NYSDEC Restricted Use SCO. 5-10ft the levels slightly decrease as well as the physical appearance of the soil.

B-3

PID-VOC readings; #1) Grab= 190ppm, #2) Grab= 178ppm, #3) 201ppm, depths of 0-5ft shows strong petroleum odors and also as deep as 5-10ft. Exceedances in metals when compared to 6NYCRR NYSDEC Unrestricted Use SCO were also found in shallower depths,

The laboratory analysis performed on the soil samples showed a positive result for petroleum constituents above the applicable Sub-Part 375 Unrestricted Used SCO, except for **B-11**, which shows no historic fill or petroleum odors. However, PID readings and olfactory odors were evident. Between 1- 6ft, impacted soils containing historic fill were still evident.

Methods

When odors were encountered, 8260-8270, PP Metals, PCBs and Pesticides were selected as a lab method. TCLP Lead, due to the historic usage and gross presence of historic fill, these SCOs were analyzed. Selection of the analytical test comparative charts were based on the NYSDEC Part 375 List Volatile Organic Compounds (VOCs) per United States Environmental Protection Agency (US EPA) Method 8260C, Semi Volatile Organic Compounds (SVOCs) per USEPA Method 8270D, Metals per USEPA Methods 6010C or 7471B, Pesticides/Herbicides per USEPA Method 8081B and polychlorinated biphenyls (PCBs) per USEPA Method 8082A as applicable for the sample type and location. The analytical results for the soil sample analysis were compared to New York Codes Rules and Regulations (NYCRR) Part 375 Unrestricted and Restricted Use Soil Cleanup Objectives (SCOs), as applicable.

Field Sampling Methods

Field activities consisted of mobilizing an Driller & Geoprobe (see above map locations). The soil characterization consisted of determining the soil classification utilizing the Unified Soil Classification System; screening for organic vapors utilizing a Photoionization Detector (PID); and evaluation for visual and olfactory indications of environmental impacts. Headspace analyses will be conducted on each sample by partially filling the zip lock bag and sealing it, thereby creating a void. This void is referred to as the sample headspace. To facilitate the detection of any hydrocarbons contained within the headspace, the container was agitated for a period of 30 seconds. Each sample was then screened for organic vapors utilizing a Photoionization Detector (PID) A PID makes use of the principle of photoionization for the detection and qualitative measurement of organic vapors. A PID does not respond to all compounds similarly, rather, each compound has its own response factor relative to its calibration. For this investigation, the PID MinRay 3000 will be calibrated to the compound isobutylene, which is published by the manufacturer.

The PID-VOC grabs consisted following the areas of olfactory AOCs, which lead us to each of the test areas to avoid any conflict of *Pseudoreplication*. Lab VOC (8260) core sample samples consisted of one end point grab at the ND PID reading. These findings have avoided such errors based on our results, and sample design. Headspace analysis was performed on each of the acquired samples utilizing a portable photo ionization detection (PID) meter to measure if VOCs are present in the secured core samples. Headspace analyses were conducted by cutting a slice of soil from the core sample placing a 5 gram sample into a TeraCore.

Soil Samples

Sample Collection: The VOC grabs were consisted of taking a TeraCore, which was submerged into a 12-inches into the test pit of soil and placed into 40mL vials fixed with DI and Methanol. Samples were analyzed by York Analytical Laboratory and its directors, that comply with EPA and the requirements and NELAP accreditation to laboratories which conform to the statutes listed in N.J.A.C. 7:18-1.1(c). For further Q/C; these techniques comprise the department's minimum performance requirements

for handling and preserving a valid sample for subsequent analysis by a certified environmental laboratory for regulatory purposes under proper chain-of-custody-protocol. All soil samples were placed in laboratory approved containers and cooled with ice to 4C. Samples were stored in laboratory provided glass jars, labeled, kept on ice, and transported to the lab under chain-of-custody procedures from York Analytical Labs. The samples were analyzed for the following 6 NYCRR Part 375 listed for all compounds in the SCO documented in this Sub-Part. The soil sample laboratory results will be compared to the Soil Cleanup Objectives listed in 6 NYCRR Sub Part 375 and listed in excel tables.

Conclusions

As per the original 2019 Old Nelson Foundry Remedial Characterization Report, the 2020 Phase 2 Report on the 11th Street and Broadway property here we present a combined Remedial Investigation on the extent of RECs to determine the levels of contamination on the said combined property. During 2021 the lots were combined (due to accessibility) and therefore we decided to obtain additional information within the areas that were being blocked by machines, hydraulic lifts and vehicle's to be able to conduct this updated soils characterization report during Winter 2021 to understand the extent of RECs.



Timeline

The original report was conducted during 2019 at the Old Nelson Foundry side of the newly combined property and a 2nd sample event during 2021 on the 11th and Broadway side of the property is now a formally combined property. All Recognized Environmental Conditions (RECs) which were identified during 2019-2020 and 2021 showed grossly contaminated soils, whether its Hazardous waste, petroleum contaminated waste comingled with historic antiquated fill. All tests show above the constituents published in Table 375-6.8(b): Restricted & Commercial Use Soil Cleanup Objectives from 6NYCRR- Subpart 375 December 2006. It is important to note that the extent of any spill free product is currently unknown, however, on the Old Nelson side and most of the boring locations on the Broadway side exhibited strong wet petroleum soils, which can be an indicator of free product at this already reported site by AKRF and TRC that was conducted by the City of New York.

QEP Certification

I, Dr. James M. Cervino, of Restoration & Conservation Advisement Group LLC, am a Qualified Environmental Professional as defined in §43-140. I declare that, to the best of my professional knowledge, I/my firm meet the definition of Environmental Professional as defined in §312.10 of 40 Code of Federal Regulations (CFR) 312 and agree to this Updated Investigation Report.

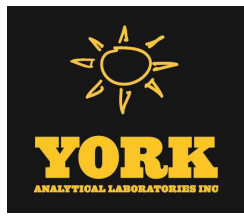
Dr. James M. Cervino May 1st 2021

QEP Name



QEP Signature





Technical Report

prepared for:

Restoration & Conservation Advisement Group

9-22 119th Street

College Point NY, 11356

Attention: Dr. James M. Cervino

Report Date: 04/02/2021

Client Project ID: Broadway-Astoria Queens NY

York Project (SDG) No.: 21C1347

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 04/02/2021
Client Project ID: Broadway-Astoria Queens NY
York Project (SDG) No.: 21C1347

Restoration & Conservation Advisement Group
9-22 119th Street
College Point NY, 11356
Attention: Dr. James M. Cervino

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on March 26, 2021 and listed below. The project was identified as your project: **Broadway-Astoria Queens NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21C1347-01	SB11 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-02	SB11 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-03	SB11 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-04	SB11 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-05	SB13 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-06	SB13 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-07	SB13 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-08	SB13 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-09	SB6 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-10	SB6 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-11	SB6 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-12	SB6 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-13	SB3 comp 0-5	Soil	03/24/2021	03/26/2021
21C1347-14	SB3 VOC 0-5	Soil	03/24/2021	03/26/2021
21C1347-15	SB3 comp 5-10	Soil	03/24/2021	03/26/2021
21C1347-16	SB3 VOC 5-10	Soil	03/24/2021	03/26/2021
21C1347-17	Trip Blank	Water	03/24/2021	03/26/2021

General Notes for York Project (SDG) No.: 21C1347

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 04/02/2021





Sample Information

Client Sample ID: SB11 comp 0-5

York Sample ID: 21C1347-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
83-32-9	Acenaphthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
120-12-7	Anthracene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
218-01-9	Chrysene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
206-44-0	Fluoranthene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
86-73-7	Fluorene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
91-20-3	Naphthalene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
85-01-8	Phenanthrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
108-95-2	Phenol	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
129-00-0	Pyrene	ND		mg/kg dry	0.0515	0.103	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:24	cd
Surrogate Recoveries		Result	Acceptance Range								



Sample Information

Client Sample ID: SB11 comp 0-5

York Sample ID: 21C1347-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
367-12-4	Surrogate: SURR: 2-Fluorophenol	68.5 %			20-108						
4165-62-2	Surrogate: SURR: Phenol-d5	69.8 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	72.8 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	67.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	77.9 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	87.9 %			24-116						

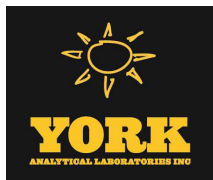
Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/30/2021 17:13	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/30/2021 17:13	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:13	CM
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	88.3 %	30-150								



Sample Information

Client Sample ID: SB11 comp 0-5

York Sample ID: 21C1347-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
877-09-8	Surrogate: Tetrachloro-m-xylene	84.6 %			30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 01:56	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0205	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 01:56	BJ

Surrogate Recoveries		Result	Acceptance Range
877-09-8	Surrogate: Tetrachloro-m-xylene	73.5 %	30-140
2051-24-3	Surrogate: Decachlorobiphenyl	54.5 %	30-140

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0246	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 20:35	BJ

Surrogate Recoveries		Result	Acceptance Range
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	73.8 %	21-150

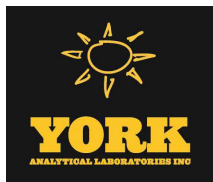
Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	14.2		mg/kg dry	12.2	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 20:14	SGM



Sample Information

Client Sample ID: SB11 comp 0-5

York Sample ID: 21C1347-01

York Project (SDG) No.

21C1347

Client Project ID

Broadway-Astoria Queens NY

Matrix

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Collection Date/Time

March 24, 2021 3:00 pm

Date Received

03/26/2021

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Surrogate Recoveries		Result	Acceptance Range							
638-68-6	Surrogate: Triacontane	120 %	30-150							

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
Total Petroleum Hydrocarbons-GRO		102		mg/kg dry	99.5	100	EPA 8015D	03/29/2021 13:00	03/30/2021 14:50	LM
		Certifications: NELAC-NY10854,NJDEP,PADEP								
Surrogate Recoveries		Result	Acceptance Range							
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	97.0 %	70-130							

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.87		mg/kg dry	1.86	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-39-3	Barium	60.8		mg/kg dry	3.11	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-41-7	Beryllium	ND		mg/kg dry	0.062	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-43-9	Cadmium	ND		mg/kg dry	0.373	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-47-3	Chromium	31.8		mg/kg dry	0.622	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-50-8	Copper	27.2		mg/kg dry	2.49	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-92-1	Lead	28.4		mg/kg dry	0.622	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7439-96-5	Manganese	442		mg/kg dry	0.622	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-02-0	Nickel	21.4		mg/kg dry	1.24	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7782-49-2	Selenium	ND		mg/kg dry	3.11	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-22-4	Silver	ND		mg/kg dry	0.622	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								
7440-66-6	Zinc	51.7		mg/kg dry	3.11	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:08	WJM
		Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP								

Mercury by 7473

Log-in Notes:

Sample Notes:

120 RESEARCH DRIVE
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(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: SB11 comp 0-5

York Sample ID: 21C1347-01

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0373	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/30/2021 17:30	03/30/2021 19:04	MAO

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.622	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	31.8		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.622	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	80.4		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB11 VOC 0-5

York Sample ID: 21C1347-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

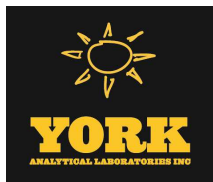
Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB11 VOC 0-5

York Sample ID: 21C1347-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

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Volatile Organics, NYSDEC Part 375 List

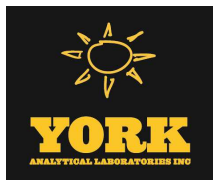
Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.063	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
67-64-1	Acetone	0.32		mg/kg dry	0.032	0.063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2021 09:00	03/30/2021 15:43	LM
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
75-09-2	Methylene chloride	0.014	B	mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM



Sample Information

Client Sample ID: SB11 VOC 0-5

York Sample ID: 21C1347-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes: VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0063	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0063	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 14:34	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0095	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 09:00	03/29/2021 14:34	LM
Surrogate Recoveries		Result	Acceptance Range								
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	103 %	77-125								
2037-26-5	Surrogate: SURR: Toluene-d8	97.7 %	85-120								
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	98.2 %	76-130								

Total Solids

Log-in Notes: VOA-CONT

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	79.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
83-32-9	Acenaphthene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
120-12-7	Anthracene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
56-55-3	Benzo(a)anthracene	0.155		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
50-32-8	Benzo(a)pyrene	0.109		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
205-99-2	Benzo(b)fluoranthene	0.104		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
191-24-2	Benzo(g,h,i)perylene	0.0787	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
207-08-9	Benzo(k)fluoranthene	0.121		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
218-01-9	Chrysene	0.179		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
206-44-0	Fluoranthene	0.309		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
86-73-7	Fluorene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.0624	J	mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
91-20-3	Naphthalene	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
85-01-8	Phenanthrene	0.150		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
108-95-2	Phenol	ND		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
129-00-0	Pyrene	0.296		mg/kg dry	0.0445	0.0887	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 17:55	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	70.3 %	20-108								



Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
4165-62-2	Surrogate: SURR: Phenol-d5	71.2 %			23-114						
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	77.5 %			22-108						
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	72.7 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	81.6 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	97.1 %			24-116						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/30/2021 17:29	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/30/2021 17:29	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/30/2021 17:29	CM
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	94.3 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	84.0 %			30-150						



Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

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Soil

Collection Date/Time
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Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes: PCB-Tot

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0177	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:10	BJ
1336-36-3	* Total PCBs	0.0183		mg/kg dry	0.0177	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 02:10	BJ
Surrogate Recoveries		Result	Acceptance Range							
877-09-8	Surrogate: Tetrachloro-m-xylene	82.0 %	30-140							
2051-24-3	Surrogate: Decachlorobiphenyl	53.5 %	30-140							

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 20:46	BJ
Surrogate Recoveries		Result	Acceptance Range							
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	79.8 %	21-150							

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

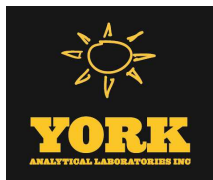
Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	19.6		mg/kg dry	10.5	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 20:45	SGM
Surrogate Recoveries		Result	Acceptance Range							
638-68-6	Surrogate: Triacontane	88.9 %	30-150							

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT



Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.

Client Project ID

Matrix

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Broadway-Astoria Queens NY

Soil

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03/26/2021

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	93.3		mg/kg dry	85.9	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2021 13:00	03/30/2021 15:27	LM
	Surrogate Recoveries	Result								
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	96.7 %								
				Acceptance Range						
				70-130						

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	ND		mg/kg dry	1.61	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-39-3	Barium	33.8		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.054	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.322	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-47-3	Chromium	14.8		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-50-8	Copper	25.5		mg/kg dry	2.15	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7439-92-1	Lead	46.8		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7439-96-5	Manganese	247		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-02-0	Nickel	12.2		mg/kg dry	1.07	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-22-4	Silver	ND		mg/kg dry	0.537	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM
7440-66-6	Zinc	43.5		mg/kg dry	2.69	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:11	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

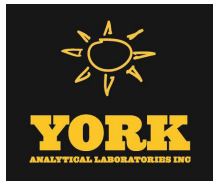
Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	ND		mg/kg dry	0.0322	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/30/2021 17:30	03/30/2021 19:14	MAO

Chromium, Hexavalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB11 comp 5-10

York Sample ID: 21C1347-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.537	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	14.8		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.537	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	93.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB11 VOC 5-10

York Sample ID: 21C1347-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

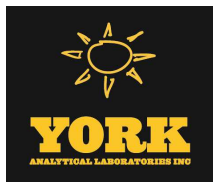
Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM



Sample Information

Client Sample ID: SB11 VOC 5-10

York Sample ID: 21C1347-04

York Project (SDG) No.

Client Project ID

Matrix

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21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

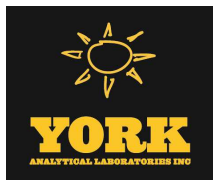
Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.055	0.11	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
67-64-1	Acetone	0.51		mg/kg dry	0.027	0.055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/30/2021 09:00	03/30/2021 16:11	LM
71-43-2	Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
75-09-2	Methylene chloride	0.014	B	mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0027	0.011	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0055	0.011	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM



Sample Information

Client Sample ID: SB11 VOC 5-10

York Sample ID: 21C1347-04

York Project (SDG) No.

Client Project ID

Matrix

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Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

VOA-CONT

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
108-88-3	Toluene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0027	0.0055	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 09:00	03/29/2021 15:00	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0082	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 09:00	03/29/2021 15:00	LM
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	102 %				77-125					
2037-26-5	Surrogate: SURR: Toluene-d8	99.5 %				85-120					
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	99.8 %				76-130					

Total Solids

Log-in Notes:

VOA-CONT

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	91.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB13 comp 0-5

York Sample ID: 21C1347-05

York Project (SDG) No.

Client Project ID

Matrix

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21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

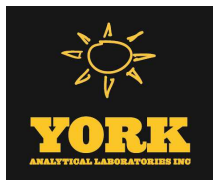
Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd



Sample Information

Client Sample ID: SB13 comp 0-5

York Sample ID: 21C1347-05

York Project (SDG) No.

Client Project ID

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03/26/2021

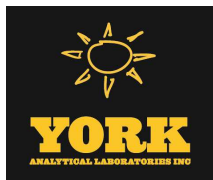
Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
83-32-9	Acenaphthene	0.0822	J	mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
120-12-7	Anthracene	0.228		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
56-55-3	Benzo(a)anthracene	0.712		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
50-32-8	Benzo(a)pyrene	0.358		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
205-99-2	Benzo(b)fluoranthene	0.361		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
191-24-2	Benzo(g,h,i)perylene	0.182		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
207-08-9	Benzo(k)fluoranthene	0.333		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
218-01-9	Chrysene	0.625		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
53-70-3	Dibenzo(a,h)anthracene	0.0639	J	mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
132-64-9	Dibenzofuran	0.0502	J	mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
206-44-0	Fluoranthene	1.50		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
86-73-7	Fluorene	0.106		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.179		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
91-20-3	Naphthalene	0.210		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
85-01-8	Phenanthrene	0.961		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
108-95-2	Phenol	ND		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
129-00-0	Pyrene	1.02		mg/kg dry	0.0477	0.0952	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 18:26	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	64.4 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	63.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	79.6 %	22-108								



Sample Information

Client Sample ID: SB13 comp 0-5

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03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	73.0 %			21-113						
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	78.2 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	85.9 %			24-116						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 15:20	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 15:20	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:20	CM
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.5 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.8 %			30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

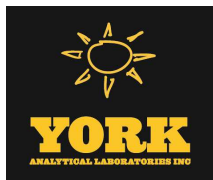
Sample Notes:

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371

132-02 89th AVENUE
FAX (203) 357-0166

RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: SB13 comp 0-5

York Sample ID: 21C1347-05

York Project (SDG) No.

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March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:23	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0190	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 02:23	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	76.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %		30-140						

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0230	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 20:56	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	75.2 %		21-150						

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	5880		mg/kg dry	11.3	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 21:15	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	%	S-01	30-150						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB13 comp 0-5

York Sample ID: 21C1347-05

York Project (SDG) No.

Client Project ID

Matrix

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Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	229		mg/kg dry	92.2	100	EPA 8015D	03/29/2021 13:00	03/30/2021 16:04	LM
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: <i>SURR:</i> <i>p-Bromofluorobenzene</i>	88.5 %					70-130			

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.38		mg/kg dry	1.73	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	58.0		mg/kg dry	2.88	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.058	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.346	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	20.8		mg/kg dry	0.576	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	27.9		mg/kg dry	2.31	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	89.8		mg/kg dry	0.576	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	303		mg/kg dry	0.576	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	16.3		mg/kg dry	1.15	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.88	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.576	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	122		mg/kg dry	2.88	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:14	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

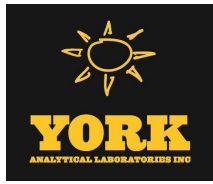
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.150		mg/kg dry	0.0346	1	EPA 7473	03/30/2021 17:30	03/30/2021 19:24	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: SB13 comp 0-5

York Sample ID: 21C1347-05

York Project (SDG) No.

Client Project ID

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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.576	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.8		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.576	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	86.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB13 VOC 0-5

York Sample ID: 21C1347-06

York Project (SDG) No.

Client Project ID

Matrix

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Soil

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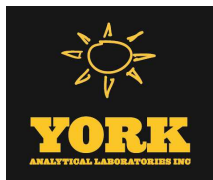
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM



Sample Information

Client Sample ID: SB13 VOC 0-5

York Sample ID: 21C1347-06

York Project (SDG) No.

Client Project ID

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Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.064	0.13	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
67-64-1	Acetone	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
71-43-2	Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0032	0.013	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0064	0.013	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM



Sample Information

Client Sample ID: SB13 VOC 0-5

York Sample ID: 21C1347-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
108-88-3	Toluene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0032	0.0064	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:32	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0096	0.019	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 21:32	LM
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.6 %				77-125					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	78.7		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

Client Project ID

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Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
83-32-9	Acenaphthene	0.0519	J	mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd



Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

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Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
120-12-7	Anthracene	0.119		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
56-55-3	Benzo(a)anthracene	0.330		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
50-32-8	Benzo(a)pyrene	0.293		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
205-99-2	Benzo(b)fluoranthene	0.279		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
191-24-2	Benzo(g,h,i)perylene	0.192		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
207-08-9	Benzo(k)fluoranthene	0.268		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
218-01-9	Chrysene	0.355		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
53-70-3	Dibenzo(a,h)anthracene	0.0631	J	mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
206-44-0	Fluoranthene	0.850		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
86-73-7	Fluorene	0.0645	J	mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.162		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
91-20-3	Naphthalene	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
85-01-8	Phenanthrene	0.633		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
108-95-2	Phenol	ND		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
129-00-0	Pyrene	0.720		mg/kg dry	0.0439	0.0877	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 11:15	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	51.6 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	50.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	56.6 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	53.6 %	21-113								



Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	58.5 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	67.6 %			24-116						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 15:37	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 15:37	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:37	CM
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	73.9 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	52.6 %			30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:37	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0175	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 02:37	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	70.0 %								
2051-24-3	Surrogate: Decachlorobiphenyl	50.0 %								

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0211	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 21:07	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	66.2 %								

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	713		mg/kg dry	10.4	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 21:46	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	110 %								

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

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Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	96.7		mg/kg dry	84.9	100	EPA 8015D	03/29/2021 13:00	03/30/2021 16:41	LM
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	85.9 %		70-130						

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	4.28		mg/kg dry	1.59	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	55.8		mg/kg dry	2.65	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.053	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	0.830		mg/kg dry	0.319	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	23.9		mg/kg dry	0.531	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	41.6		mg/kg dry	2.12	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	80.3		mg/kg dry	0.531	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	374		mg/kg dry	0.531	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	23.9		mg/kg dry	1.06	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	2.65	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.531	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	2140		mg/kg dry	2.65	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:17	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

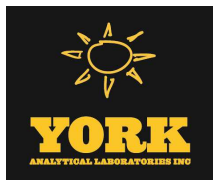
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0931		mg/kg dry	0.0319	1	EPA 7473	03/30/2021 17:30	03/30/2021 20:44	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: SB13 comp 5-10

York Sample ID: 21C1347-07

York Project (SDG) No.

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Matrix

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Broadway-Astoria Queens NY

Soil

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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.531	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	23.9		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.531	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.2		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB13 VOC 5-10

York Sample ID: 21C1347-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM



Sample Information

Client Sample ID: SB13 VOC 5-10

York Sample ID: 21C1347-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

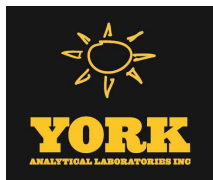
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
67-64-1	Acetone	0.017	ICV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM



Sample Information

Client Sample ID: SB13 VOC 5-10

York Sample ID: 21C1347-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 21:57	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 21:57	LM
Surrogate Recoveries		Result		Acceptance Range							
17060-07-0	Surrogate: SURR: 1,2-Dichloroethane-d4	98.2 %				77-125					

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	74.8		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

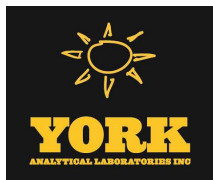
Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
83-32-9	Acenaphthene	0.130		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd



Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

Matrix
Soil

Collection Date/Time
March 24, 2021 3:00 pm

Date Received
03/26/2021

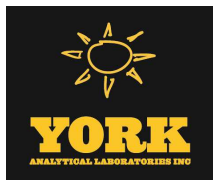
Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
208-96-8	Acenaphthylene	0.361		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
120-12-7	Anthracene	0.463		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
56-55-3	Benzo(a)anthracene	2.09		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
50-32-8	Benzo(a)pyrene	1.31		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
205-99-2	Benzo(b)fluoranthene	1.09		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
191-24-2	Benzo(g,h,i)perylene	0.772		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
207-08-9	Benzo(k)fluoranthene	1.22		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
218-01-9	Chrysene	1.86		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
53-70-3	Dibenzo(a,h)anthracene	0.315		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
132-64-9	Dibenzofuran	0.110		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
206-44-0	Fluoranthene	3.09		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
86-73-7	Fluorene	0.289		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.728		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
91-20-3	Naphthalene	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
85-01-8	Phenanthrene	1.08		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
108-95-2	Phenol	ND		mg/kg dry	0.0499	0.0995	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 19:29	cd
129-00-0	Pyrene	3.15		mg/kg dry	0.125	0.249	5	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	04/01/2021 10:43	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	55.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	57.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.5 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	56.3 %	21-113								



Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

Matrix
Soil

Collection Date/Time
March 24, 2021 3:00 pm

Date Received
03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	80.7 %			19-110						
1718-51-0	Surrogate: SURR: Terphenyl-d14	105 %			24-116						

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 15:54	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 15:54	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 15:54	CM
Surrogate Recoveries		Result		Acceptance Range							
2051-24-3	Surrogate: Decachlorobiphenyl	72.2 %			30-150						
877-09-8	Surrogate: Tetrachloro-m-xylene	54.6 %			30-150						

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 02:51	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0199	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 02:51	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	57.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	43.0 %		30-140						

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0240	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 21:18	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	74.4 %		21-150						

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	1220		mg/kg dry	11.8	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 22:16	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triacontane	105 %		30-150						

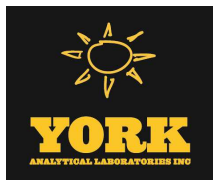
Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.

Client Project ID

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Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	299		mg/kg dry	96.4	100	EPA 8015D	03/29/2021 13:00	03/30/2021 17:18	LM
							Certifications:	NELAC-NY10854,NJDEP,PADEP		
	Surrogate Recoveries	Result					Acceptance Range			
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.6 %					70-130			

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	9.13		mg/kg dry	1.81	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	77.7		mg/kg dry	3.01	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/kg dry	0.361	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	17.9		mg/kg dry	0.602	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	Copper	26.4		mg/kg dry	2.41	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	63.7		mg/kg dry	0.602	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	Manganese	219		mg/kg dry	0.602	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	Nickel	15.0		mg/kg dry	1.20	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/kg dry	3.01	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/kg dry	0.602	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-66-6	Zinc	49.0		mg/kg dry	3.01	1	EPA 6010D	03/30/2021 08:07	03/31/2021 11:27	WJM
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

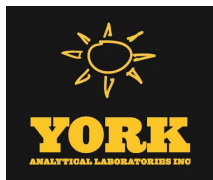
Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0558		mg/kg dry	0.0361	1	EPA 7473	03/30/2021 17:30	03/30/2021 20:52	MAO
							Certifications:	CTDOH,NJDEP,NELAC-NY10854,PADEP		



Sample Information

Client Sample ID: SB6 comp 0-5

York Sample ID: 21C1347-09

York Project (SDG) No.

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Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.602	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	17.9		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.602	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	83.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB6 VOC 0-5

York Sample ID: 21C1347-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Broadway-Astoria Queens NY

Soil

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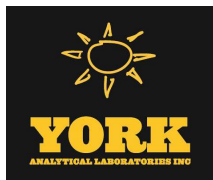
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM



Sample Information

Client Sample ID: SB6 VOC 0-5

York Sample ID: 21C1347-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

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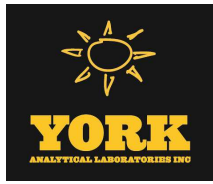
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.052	0.10	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
67-64-1	Acetone	0.013	ICV-E	mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
71-43-2	Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0026	0.010	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM



Sample Information

Client Sample ID: SB6 VOC 0-5

York Sample ID: 21C1347-10

York Project (SDG) No.

Client Project ID

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Broadway-Astoria Queens NY

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Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
108-88-3	Toluene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0026	0.0052	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:23	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0078	0.016	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 22:23	LM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	99.0		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

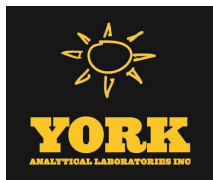
Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
83-32-9	Acenaphthene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
208-96-8	Acenaphthylene	0.0925	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd



Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

Client Project ID

Matrix

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Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-12-7	Anthracene	0.0873	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
56-55-3	Benzo(a)anthracene	0.193		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
50-32-8	Benzo(a)pyrene	0.175		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
205-99-2	Benzo(b)fluoranthene	0.143		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
191-24-2	Benzo(g,h,i)perylene	0.119		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
207-08-9	Benzo(k)fluoranthene	0.154		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
218-01-9	Chrysene	0.207		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
132-64-9	Dibenzofuran	0.0597	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
206-44-0	Fluoranthene	0.243		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
86-73-7	Fluorene	0.146		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
193-39-5	Indeno(1,2,3-cd)pyrene	0.0985		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
91-20-3	Naphthalene	0.0485	J	mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
85-01-8	Phenanthrene	0.178		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
108-95-2	Phenol	ND		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
129-00-0	Pyrene	0.408		mg/kg dry	0.0468	0.0934	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:00	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	65.8 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	64.0 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	69.7 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	65.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	88.7 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	109 %	24-116								



Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 16:10	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 16:10	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:10	CM
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	92.0 %	30-150								
877-09-8	Surrogate: Tetrachloro-m-xylene	68.6 %	30-150								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ



Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:04	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0187	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 03:04	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	55.0 %		30-140						

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0222	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 21:29	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	65.4 %		21-150						

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	264		mg/kg dry	11.1	1	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/01/2021 23:17	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triacotane	66.4 %		30-150						

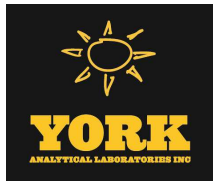
Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	312		mg/kg dry	90.5	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2021 13:00	03/30/2021 17:55	LM
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	92.7 %		70-130						



Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

21C1347

Client Project ID

Broadway-Astoria Queens NY

Matrix

Soil

Collection Date/Time

March 24, 2021 3:00 pm

Date Received

03/26/2021

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.30		mg/kg dry	1.70	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-39-3	Barium	53.0		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.057	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.339	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-47-3	Chromium	18.2		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-50-8	Copper	25.5		mg/kg dry	2.26	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7439-92-1	Lead	24.8		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7439-96-5	Manganese	152		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-02-0	Nickel	15.9		mg/kg dry	1.13	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-22-4	Silver	ND		mg/kg dry	0.565	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM
7440-66-6	Zinc	37.2		mg/kg dry	2.83	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:29	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.0613		mg/kg dry	0.0339	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/30/2021 17:30	03/30/2021 21:02	MAO

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

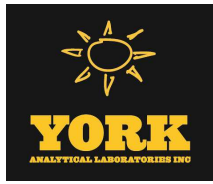
Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.565	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

Chromium, Trivalent

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB6 comp 5-10

York Sample ID: 21C1347-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	18.2		mg/kg	0.500	1	Calculation	04/01/2021 13:41	04/01/2021 13:49	PAM
Certifications:										

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.565	1	EPA 9014/9010C	03/30/2021 08:03	03/30/2021 11:20	SK
Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP										

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	88.4		%	0.100	1	SM 2540G	03/29/2021 09:37	03/29/2021 15:36	ALH
Certifications: CTDOH										

Sample Information

Client Sample ID: SB6 VOC 5-10

York Sample ID: 21C1347-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

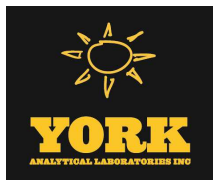
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM



Sample Information

Client Sample ID: SB6 VOC 5-10

York Sample ID: 21C1347-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

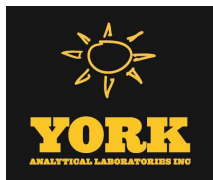
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.14	0.28	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
67-64-1	Acetone	0.078	ICV-E	mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
71-43-2	Benzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0070	0.028	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.014	0.028	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
108-88-3	Toluene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM



Sample Information

Client Sample ID: SB6 VOC 5-10

York Sample ID: 21C1347-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0070	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 22:48	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.021	0.042	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 22:48	LM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	94.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
83-32-9	Acenaphthene	0.140		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
120-12-7	Anthracene	0.168		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
56-55-3	Benzo(a)anthracene	0.229		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
50-32-8	Benzo(a)pyrene	0.200		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
205-99-2	Benzo(b)fluoranthene	0.167		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd



Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
207-08-9	Benzo(k)fluoranthene	0.184		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
218-01-9	Chrysene	0.288		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
206-44-0	Fluoranthene	0.682		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
86-73-7	Fluorene	0.272		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
91-20-3	Naphthalene	0.642		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
85-01-8	Phenanthrene	0.804		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
108-95-2	Phenol	ND		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
129-00-0	Pyrene	0.365		mg/kg dry	0.0458	0.0914	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 20:31	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	47.5 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	52.6 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	76.3 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	66.2 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	79.0 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	59.8 %	24-116								

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM



Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 16:27	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 16:27	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:27	CM
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	66.2 %	30-150								
877-09-8	Surrogate: Tetrachloro-m-xylene	51.3 %	30-150								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ



Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

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Collection Date/Time
March 24, 2021 3:00 pm

Date Received
03/26/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:31	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 03:31	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	71.5 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	64.5 %		30-140						

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 21:40	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	92.6 %		21-150						

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	11900		mg/kg dry	543	50	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/02/2021 10:11	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triaccontane	146 %		30-150						

Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

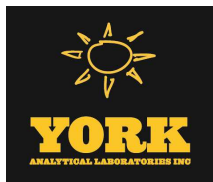
Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	285		mg/kg dry	88.5	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2021 13:00	03/30/2021 18:32	LM
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	83.5 %		70-130						

Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:



Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.25		mg/kg dry	1.66	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-39-3	Barium	67.2		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.055	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.332	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-47-3	Chromium	21.2		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-50-8	Copper	33.9		mg/kg dry	2.21	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7439-92-1	Lead	177		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7439-96-5	Manganese	178		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-02-0	Nickel	15.8		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-22-4	Silver	ND		mg/kg dry	0.553	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM
7440-66-6	Zinc	123		mg/kg dry	2.77	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:32	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	11.0		mg/kg dry	0.0332	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/30/2021 17:30	03/30/2021 21:13	MAO

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.553	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

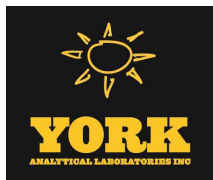
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB3 comp 0-5

York Sample ID: 21C1347-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	21.2		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.553	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.4		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB3 VOC 0-5

York Sample ID: 21C1347-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

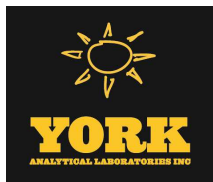
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM



Sample Information

Client Sample ID: SB3 VOC 0-5

York Sample ID: 21C1347-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

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Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.072	0.14	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
67-64-1	Acetone	0.048	ICV-E	mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
71-43-2	Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0036	0.014	1	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0072	0.014	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
108-88-3	Toluene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM



Sample Information

Client Sample ID: SB3 VOC 0-5

York Sample ID: 21C1347-14

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

Matrix
Soil

Collection Date/Time
March 24, 2021 3:00 pm

Date Received
03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0036	0.0072	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:13	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.011	0.022	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 23:13	LM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	99.3		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.
21C1347

Client Project ID
Broadway-Astoria Queens NY

Matrix
Soil

Collection Date/Time
March 24, 2021 3:00 pm

Date Received
03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
83-32-9	Acenaphthene	0.238		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
208-96-8	Acenaphthylene	0.189		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
120-12-7	Anthracene	0.224		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
56-55-3	Benzo(a)anthracene	0.180		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd



Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.

Client Project ID

Matrix

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21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 SVOA

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
191-24-2	Benzo(g,h,i)perylene	0.0506	J, IS-HI	mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
218-01-9	Chrysene	0.238		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
53-70-3	Dibenzo(a,h)anthracene	ND	IS-HI	mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
132-64-9	Dibenzofuran	0.177		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
206-44-0	Fluoranthene	0.503		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
86-73-7	Fluorene	0.400		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
193-39-5	Indeno(1,2,3-cd)pyrene	ND	IS-HI	mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
91-20-3	Naphthalene	0.386		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
85-01-8	Phenanthrene	0.396		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
108-95-2	Phenol	ND		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
129-00-0	Pyrene	0.229		mg/kg dry	0.0460	0.0917	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 06:10	03/31/2021 21:02	cd
Surrogate Recoveries		Result	Acceptance Range								
367-12-4	Surrogate: SURR: 2-Fluorophenol	41.7 %	20-108								
4165-62-2	Surrogate: SURR: Phenol-d5	45.8 %	23-114								
4165-60-0	Surrogate: SURR: Nitrobenzene-d5	61.1 %	22-108								
321-60-8	Surrogate: SURR: 2-Fluorobiphenyl	69.9 %	21-113								
118-79-6	Surrogate: SURR: 2,4,6-Tribromophenol	102 %	19-110								
1718-51-0	Surrogate: SURR: Terphenyl-d14	57.0 %	24-116								

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-54-8	4,4'-DDD	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM



Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Pesticides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: NELAC-NY10854,NJDEP	03/30/2021 07:28	03/31/2021 16:44	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854	03/30/2021 07:28	03/31/2021 16:44	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 16:44	CM
Surrogate Recoveries		Result	Acceptance Range								
2051-24-3	Surrogate: Decachlorobiphenyl	71.3 %	30-150								
877-09-8	Surrogate: Tetrachloro-m-xylene	57.8 %	30-150								

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12674-11-2	Aroclor 1016	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ



Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.

Client Project ID

Matrix

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Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 07:28	03/31/2021 03:45	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0183	1	EPA 8082A Certifications:	03/30/2021 07:28	03/31/2021 03:45	BJ
Surrogate Recoveries		Result		Acceptance Range						
877-09-8	Surrogate: Tetrachloro-m-xylene	66.0 %		30-140						
2051-24-3	Surrogate: Decachlorobiphenyl	58.0 %		30-140						

Herbicides, NYSDEC Part 375 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C/8151A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
93-72-1	2,4,5-TP (Silvex)	ND		mg/kg dry	0.0219	1	EPA 8151A Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 07:36	03/30/2021 21:50	BJ
Surrogate Recoveries		Result		Acceptance Range						
19719-28-9	Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	61.4 %		21-150						

Total Petroleum Hydrocarbons-DRO (C10-C28)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3550C

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-DRO	13600		mg/kg dry	544	50	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/31/2021 07:37	04/02/2021 10:41	SGM
Surrogate Recoveries		Result		Acceptance Range						
638-68-6	Surrogate: Triacotane	46.0 %		30-150						

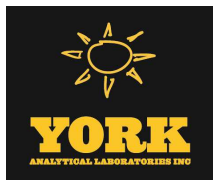
Total Petroleum Hydrocarbons-GRO (C5-C10)

Log-in Notes:

Sample Notes: VOA-CONT

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	Total Petroleum Hydrocarbons-GRO	247		mg/kg dry	88.8	100	EPA 8015D Certifications: NELAC-NY10854,NJDEP,PADEP	03/29/2021 13:00	03/30/2021 19:09	LM
Surrogate Recoveries		Result		Acceptance Range						
460-00-4	Surrogate: SURR: p-Bromofluorobenzene	87.5 %		70-130						



Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.
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Client Project ID
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Metals, NYSDEC Part 375

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3050B

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-38-2	Arsenic	2.87		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-39-3	Barium	81.6		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.333	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-47-3	Chromium	20.4		mg/kg dry	0.555	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-50-8	Copper	30.7		mg/kg dry	2.22	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7439-92-1	Lead	110		mg/kg dry	0.555	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7439-96-5	Manganese	228		mg/kg dry	0.555	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-02-0	Nickel	18.5		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-22-4	Silver	ND		mg/kg dry	0.555	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM
7440-66-6	Zinc	121		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/30/2021 08:07	03/31/2021 11:35	WJM

Mercury by 7473

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 7473 soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	Mercury	0.541		mg/kg dry	0.0333	1	EPA 7473 Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP	03/30/2021 17:30	03/30/2021 21:30	MAO

Chromium, Hexavalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-3060

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
18540-29-9	Chromium, Hexavalent	ND		mg/kg dry	0.555	1	EPA 7196A Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP	03/29/2021 08:36	03/29/2021 17:16	ALH

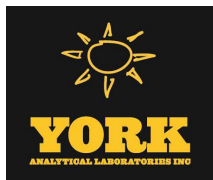
Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
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Sample Information

Client Sample ID: SB3 comp 5-10

York Sample ID: 21C1347-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Chromium, Trivalent

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
16065-83-1	* Chromium, Trivalent	20.4		mg/kg	0.500	1	Calculation Certifications:	04/01/2021 13:41	04/01/2021 13:49	PAM

Cyanide, Total

Log-in Notes:

Sample Notes:

Sample Prepared by Method: Analysis Preparation Soil

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
57-12-5	Cyanide, total	ND		mg/kg dry	0.555	1	EPA 9014/9010C Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/30/2021 08:03	03/30/2021 11:20	SK

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	90.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: SB3 VOC 5-10

York Sample ID: 21C1347-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM



Sample Information

Client Sample ID: SB3 VOC 5-10

York Sample ID: 21C1347-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

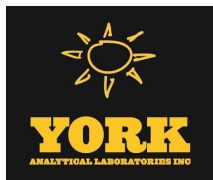
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.10	0.21	1	EPA 8260C Certifications:	03/29/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
78-93-3	2-Butanone	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
67-64-1	Acetone	0.075	ICV-E	mg/kg dry	0.010	0.021	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
71-43-2	Benzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
67-66-3	Chloroform	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
75-09-2	Methylene chloride	ND		mg/kg dry	0.010	0.021	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
91-20-3	Naphthalene	ND		mg/kg dry	0.0052	0.021	1	EPA 8260C Certifications:	03/29/2021 12:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
95-47-6	o-Xylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.010	0.021	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
108-88-3	Toluene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications:	03/29/2021 12:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 23:38	LM



Sample Information

Client Sample ID: SB3 VOC 5-10

York Sample ID: 21C1347-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Soil

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0052	0.010	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/29/2021 12:30	03/29/2021 23:38	LM
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.016	0.031	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/29/2021 12:30	03/29/2021 23:38	LM

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	99.1		%	0.100	1	SM 2540G Certifications: CTDOH	03/29/2021 09:37	03/29/2021 15:36	ALH

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C1347-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Water

March 24, 2021 3:00 pm

03/26/2021

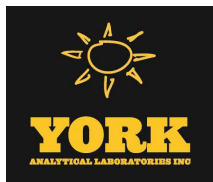
Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C1347-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Water

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	40	80	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
75-09-2	Methylene chloride	1.4	J	ug/L	1.0	2.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
91-20-3	Naphthalene	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications: NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	03/30/2021 09:00	03/30/2021 11:29	NRT



Sample Information

Client Sample ID: Trip Blank

York Sample ID: 21C1347-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21C1347

Broadway-Astoria Queens NY

Water

March 24, 2021 3:00 pm

03/26/2021

Volatile Organics, NYSDEC Part 375 List

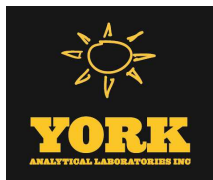
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	03/30/2021 09:00	03/30/2021 11:29	NRT
		Certifications: CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058									

Surrogate Recoveries		Result	Acceptance Range
17060-07-0	Surrogate: SURRE: 1,2-Dichloroethane-d4	108 %	69-130
2037-26-5	Surrogate: SURRE: Toluene-d8	106 %	81-117
460-00-4	Surrogate: SURRE: p-Bromofluorobenzene	104 %	79-122



Analytical Batch Summary

Batch ID: BC11673 **Preparation Method:** EPA 5035A **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-02	SB11 VOC 0-5	03/29/21
21C1347-04	SB11 VOC 5-10	03/29/21
BC11673-BLK1	Blank	03/29/21
BC11673-BLK2	Blank	03/29/21
BC11673-BS1	LCS	03/29/21
BC11673-BSD1	LCS Dup	03/29/21
BC11673-MS1	Matrix Spike	03/29/21
BC11673-MSD1	Matrix Spike Dup	03/29/21

Batch ID: BC11680 **Preparation Method:** Analysis Preparation Soil **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11680-BLK1	Blank	03/30/21
BC11680-BS1	LCS	03/30/21
BC11680-DUP1	Duplicate	03/30/21
BC11680-MS1	Matrix Spike	03/30/21

Batch ID: BC11686 **Preparation Method:** EPA SW846-3060 **Prepared By:** ALH

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/29/21
21C1347-03	SB11 comp 5-10	03/29/21
21C1347-05	SB13 comp 0-5	03/29/21
21C1347-07	SB13 comp 5-10	03/29/21
21C1347-09	SB6 comp 0-5	03/29/21
21C1347-11	SB6 comp 5-10	03/29/21
21C1347-13	SB3 comp 0-5	03/29/21
21C1347-15	SB3 comp 5-10	03/29/21
BC11686-BLK1	Blank	03/29/21
BC11686-DUP1	Duplicate	03/29/21
BC11686-MS1	Matrix Spike	03/29/21
BC11686-MS2	Matrix Spike	03/29/21
BC11686-SRM1	Reference	03/29/21

Batch ID: BC11691 **Preparation Method:** % Solids Prep **Prepared By:** ALH



YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/29/21
21C1347-02	SB11 VOC 0-5	03/29/21
21C1347-03	SB11 comp 5-10	03/29/21
21C1347-04	SB11 VOC 5-10	03/29/21
21C1347-05	SB13 comp 0-5	03/29/21
21C1347-06	SB13 VOC 0-5	03/29/21
21C1347-07	SB13 comp 5-10	03/29/21
21C1347-08	SB13 VOC 5-10	03/29/21
21C1347-09	SB6 comp 0-5	03/29/21
21C1347-10	SB6 VOC 0-5	03/29/21
21C1347-11	SB6 comp 5-10	03/29/21
21C1347-12	SB6 VOC 5-10	03/29/21
21C1347-13	SB3 comp 0-5	03/29/21
21C1347-14	SB3 VOC 0-5	03/29/21
21C1347-15	SB3 comp 5-10	03/29/21
21C1347-16	SB3 VOC 5-10	03/29/21
BC11691-DUP1	Duplicate	03/29/21

Batch ID: BC11700

Preparation Method: EPA 5035A

Prepared By: LM

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/29/21
21C1347-03	SB11 comp 5-10	03/29/21
21C1347-05	SB13 comp 0-5	03/29/21
21C1347-07	SB13 comp 5-10	03/29/21
21C1347-09	SB6 comp 0-5	03/29/21
21C1347-11	SB6 comp 5-10	03/29/21
21C1347-13	SB3 comp 0-5	03/29/21
21C1347-15	SB3 comp 5-10	03/29/21
BC11700-BLK1	Blank	03/29/21
BC11700-DUP1	Duplicate	03/29/21
BC11700-MS1	Matrix Spike	03/29/21
BC11700-SRM1	Reference	03/29/21

Batch ID: BC11704

Preparation Method: EPA 5035A

Prepared By: LM

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-06	SB13 VOC 0-5	03/29/21
21C1347-08	SB13 VOC 5-10	03/29/21
21C1347-10	SB6 VOC 0-5	03/29/21
21C1347-12	SB6 VOC 5-10	03/29/21
21C1347-14	SB3 VOC 0-5	03/29/21
21C1347-16	SB3 VOC 5-10	03/29/21
BC11704-BLK1	Blank	03/29/21
BC11704-BLK2	Blank	03/29/21
BC11704-BS1	LCS	03/29/21
BC11704-BSD1	LCS Dup	03/29/21



Batch ID: BC11733

Preparation Method: EPA 3546 SVOA

Prepared By: YG

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-09RE1	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11733-BLK1	Blank	03/30/21
BC11733-BS1	LCS	03/30/21
BC11733-MS1	Matrix Spike	03/30/21
BC11733-MSD1	Matrix Spike Dup	03/30/21

Batch ID: BC11736

Preparation Method: EPA 3550C

Prepared By: S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11736-BLK1	Blank	03/30/21
BC11736-BLK2	Blank	03/30/21
BC11736-BS1	LCS	03/30/21
BC11736-BS2	LCS	03/30/21
BC11736-MS1	Matrix Spike	03/30/21
BC11736-MS2	Matrix Spike	03/30/21
BC11736-MSD1	Matrix Spike Dup	03/30/21
BC11736-MSD2	Matrix Spike Dup	03/30/21

Batch ID: BC11738

Preparation Method: EPA 3550C/8151A

Prepared By: PD

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21



21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11738-BLK1	Blank	03/30/21
BC11738-BS1	LCS	03/30/21
BC11738-MS1	Matrix Spike	03/30/21
BC11738-MSD1	Matrix Spike Dup	03/30/21

Batch ID: BC11740 **Preparation Method:** EPA 3050B **Prepared By:** OT

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21
21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11740-BLK1	Blank	03/30/21
BC11740-DUP1	Duplicate	03/30/21
BC11740-MS1	Matrix Spike	03/30/21
BC11740-PS1	Post Spike	03/30/21
BC11740-SRM1	Reference	03/30/21

Batch ID: BC11747 **Preparation Method:** EPA 5035A **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-02RE1	SB11 VOC 0-5	03/30/21
21C1347-04RE1	SB11 VOC 5-10	03/30/21
BC11747-BLK1	Blank	03/30/21
BC11747-BLK2	Blank	03/30/21
BC11747-BS1	LCS	03/30/21
BC11747-BSD1	LCS Dup	03/30/21

Batch ID: BC11751 **Preparation Method:** EPA 5030B **Prepared By:** NT

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-17	Trip Blank	03/30/21
BC11751-BLK1	Blank	03/30/21
BC11751-BS1	LCS	03/30/21
BC11751-BSD1	LCS Dup	03/30/21

Batch ID: BC11819 **Preparation Method:** EPA 7473 soil **Prepared By:** MAO

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/30/21



21C1347-03	SB11 comp 5-10	03/30/21
21C1347-05	SB13 comp 0-5	03/30/21
21C1347-07	SB13 comp 5-10	03/30/21
21C1347-09	SB6 comp 0-5	03/30/21
21C1347-11	SB6 comp 5-10	03/30/21
21C1347-13	SB3 comp 0-5	03/30/21
21C1347-15	SB3 comp 5-10	03/30/21
BC11819-BLK1	Blank	03/30/21
BC11819-DUP1	Duplicate	03/30/21
BC11819-MS1	Matrix Spike	03/30/21
BC11819-SRM1	Reference	03/30/21

Batch ID: BC11840 **Preparation Method:** EPA 3550C **Prepared By:** S_K

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	03/31/21
21C1347-03	SB11 comp 5-10	03/31/21
21C1347-05	SB13 comp 0-5	03/31/21
21C1347-07	SB13 comp 5-10	03/31/21
21C1347-09	SB6 comp 0-5	03/31/21
21C1347-11	SB6 comp 5-10	03/31/21
21C1347-13	SB3 comp 0-5	03/31/21
21C1347-15	SB3 comp 5-10	03/31/21
BC11840-BLK1	Blank	03/31/21
BC11840-BS1	LCS	03/31/21

Batch ID: BD10052 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
21C1347-01	SB11 comp 0-5	04/01/21
21C1347-03	SB11 comp 5-10	04/01/21
21C1347-05	SB13 comp 0-5	04/01/21
21C1347-07	SB13 comp 5-10	04/01/21
21C1347-09	SB6 comp 0-5	04/01/21
21C1347-11	SB6 comp 5-10	04/01/21
21C1347-13	SB3 comp 0-5	04/01/21
21C1347-15	SB3 comp 5-10	04/01/21



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11673 - EPA 5035A

Blank (BC11673-BLK1)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.0		ug/L	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	48.6		"	50.0		97.3	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.0		"	50.0		96.0	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11673 - EPA 5035A

Blank (BC11673-BLK2)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.3	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.3		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	48.7		"	50.0		97.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.6		"	50.0		95.3	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11673 - EPA 5035A

LCS (BC11673-BS1)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	51		ug/L	50.0		101	71-137				
1,1-Dichloroethane	48		"	50.0		96.9	75-130				
1,1-Dichloroethylene	41		"	50.0		82.9	64-137				
1,2,4-Trimethylbenzene	50		"	50.0		99.9	84-125				
1,2-Dichlorobenzene	47		"	50.0		94.5	85-122				
1,2-Dichloroethane	49		"	50.0		97.4	71-133				
1,3,5-Trimethylbenzene	50		"	50.0		101	82-126				
1,3-Dichlorobenzene	48		"	50.0		95.6	84-124				
1,4-Dichlorobenzene	48		"	50.0		95.8	84-124				
1,4-Dioxane	990		"	1050		94.7	10-228				
2-Butanone	43		"	50.0		86.4	58-147				
Acetone	35		"	50.0		70.9	36-155				
Benzene	50		"	50.0		100	77-127				
Carbon tetrachloride	52		"	50.0		104	66-143				
Chlorobenzene	49		"	50.0		97.9	86-120				
Chloroform	49		"	50.0		97.1	76-131				
cis-1,2-Dichloroethylene	48		"	50.0		96.8	74-132				
Ethyl Benzene	47		"	50.0		94.3	84-125				
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.4	74-131				
Methylene chloride	57		"	50.0		113	57-141				
Naphthalene	48		"	50.0		95.5	86-141				
n-Butylbenzene	44		"	50.0		87.4	80-130				
n-Propylbenzene	46		"	50.0		91.8	74-136				
o-Xylene	49		"	50.0		98.1	83-123				
p- & m- Xylenes	98		"	100		97.5	82-128				
sec-Butylbenzene	51		"	50.0		103	83-125				
tert-Butylbenzene	48		"	50.0		96.4	80-127				
Tetrachloroethylene	44		"	50.0		87.3	80-129				
Toluene	49		"	50.0		98.6	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132				
Trichloroethylene	48		"	50.0		96.9	84-123				
Vinyl Chloride	52		"	50.0		105	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	51.1		"	50.0		102	77-125				
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.8		"	50.0		95.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11673 - EPA 5035A											
LCS Dup (BC11673-BSD1)						Prepared & Analyzed: 03/29/2021					
1,1,1-Trichloroethane	58		ug/L	50.0		117	71-137		14.1	30	
1,1-Dichloroethane	48		"	50.0		95.7	75-130		1.33	30	
1,1-Dichloroethylene	52		"	50.0		104	64-137		22.2	30	
1,2,4-Trimethylbenzene	47		"	50.0		94.8	84-125		5.24	30	
1,2-Dichlorobenzene	48		"	50.0		97.0	85-122		2.63	30	
1,2-Dichloroethane	53		"	50.0		106	71-133		8.93	30	
1,3,5-Trimethylbenzene	48		"	50.0		95.1	82-126		5.66	30	
1,3-Dichlorobenzene	49		"	50.0		98.2	84-124		2.75	30	
1,4-Dichlorobenzene	50		"	50.0		99.2	84-124		3.43	30	
1,4-Dioxane	980		"	1050		93.4	10-228		1.38	30	
2-Butanone	45		"	50.0		89.4	58-147		3.46	30	
Acetone	33		"	50.0		65.7	36-155		7.67	30	
Benzene	52		"	50.0		104	77-127		4.03	30	
Carbon tetrachloride	62		"	50.0		124	66-143		17.4	30	
Chlorobenzene	50		"	50.0		100	86-120		2.62	30	
Chloroform	53		"	50.0		106	76-131		8.80	30	
cis-1,2-Dichloroethylene	49		"	50.0		97.4	74-132		0.598	30	
Ethyl Benzene	46		"	50.0		92.3	84-125		2.17	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		103	74-131		4.98	30	
Methylene chloride	45		"	50.0		89.6	57-141		23.4	30	
Naphthalene	53		"	50.0		106	86-141		10.3	30	
n-Butylbenzene	40		"	50.0		79.1	80-130	Low Bias	10.1	30	
n-Propylbenzene	41		"	50.0		81.8	74-136		11.5	30	
o-Xylene	49		"	50.0		98.0	83-123		0.163	30	
p- & m- Xylenes	97		"	100		97.4	82-128		0.174	30	
sec-Butylbenzene	48		"	50.0		96.7	83-125		6.17	30	
tert-Butylbenzene	47		"	50.0		93.1	80-127		3.50	30	
Tetrachloroethylene	50		"	50.0		99.4	80-129		13.0	30	
Toluene	48		"	50.0		95.3	85-121		3.42	30	
trans-1,2-Dichloroethylene	51		"	50.0		103	72-132		0.504	30	
Trichloroethylene	46		"	50.0		92.9	84-123		4.20	30	
Vinyl Chloride	74		"	50.0		147	52-130	High Bias	33.9	30	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	54.5		"	50.0		109	77-125				
Surrogate: SURR: Toluene-d8	47.0		"	50.0		93.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	41.8		"	50.0		83.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11673 - EPA 5035A

Matrix Spike (BC11673-MS1)		*Source sample: 21C1225-01 (Matrix Spike)					Prepared & Analyzed: 03/29/2021				
1,1,1-Trichloroethane	33		ug/L	50.0	0.0	66.5	42-145				
1,1-Dichloroethane	35		"	50.0	0.0	69.7	46-142				
1,1-Dichloroethylene	32		"	50.0	0.0	63.1	30-153				
1,2,4-Trimethylbenzene	19		"	50.0	0.0	38.1	10-170				
1,2-Dichlorobenzene	15		"	50.0	0.0	29.3	10-147				
1,2-Dichloroethane	31		"	50.0	0.0	61.9	48-133				
1,3,5-Trimethylbenzene	20		"	50.0	0.0	39.7	10-150				
1,3-Dichlorobenzene	14		"	50.0	0.0	27.9	10-144				
1,4-Dichlorobenzene	14		"	50.0	0.0	27.0	10-160				
1,4-Dioxane	880		"	1050	0.0	83.9	10-191				
2-Butanone	31		"	50.0	0.0	62.0	10-189				
Acetone	30		"	50.0	1.3	57.7	10-196				
Benzene	32		"	50.0	0.0	64.2	43-139				
Carbon tetrachloride	30		"	50.0	0.0	60.3	35-145				
Chlorobenzene	21		"	50.0	0.0	42.4	21-154				
Chloroform	33		"	50.0	0.0	65.6	47-142				
cis-1,2-Dichloroethylene	28		"	50.0	0.0	56.7	42-144				
Ethyl Benzene	21		"	50.0	0.0	42.1	11-158				
Methyl tert-butyl ether (MTBE)	42		"	50.0	0.0	83.5	42-152				
Methylene chloride	37		"	50.0	5.5	63.4	28-151				
Naphthalene	13		"	50.0	1.0	24.3	10-158				
n-Butylbenzene	15		"	50.0	0.0	29.0	10-162				
n-Propylbenzene	17		"	50.0	0.0	34.5	10-155				
o-Xylene	23		"	50.0	0.0	45.9	10-158				
p- & m- Xylenes	42		"	100	0.0	41.6	10-156				
sec-Butylbenzene	19		"	50.0	0.0	37.2	10-157				
tert-Butylbenzene	20		"	50.0	0.0	40.4	10-160				
Tetrachloroethylene	19		"	50.0	0.0	38.0	30-167				
Toluene	27		"	50.0	0.0	53.1	21-160				
trans-1,2-Dichloroethylene	27		"	50.0	0.0	53.5	29-153				
Trichloroethylene	24		"	50.0	0.0	48.6	24-169				
Vinyl Chloride	38		"	50.0	0.0	75.2	12-160				
Surrogate: SURR: 1,2-Dichloroethane-d4	52.0		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	49.8		"	50.0		99.6	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.2	70-130				



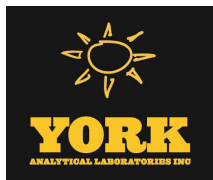
Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11673 - EPA 5035A

Matrix Spike Dup (BC11673-MSD1)		*Source sample: 21C1225-01 (Matrix Spike Dup)				Prepared & Analyzed: 03/29/2021					
1,1,1-Trichloroethane	44		ug/L	50.0	0.0	88.1	42-145		28.0	30	
1,1-Dichloroethane	37		"	50.0	0.0	73.9	46-142		5.82	36	
1,1-Dichloroethylene	37		"	50.0	0.0	74.8	30-153		17.0	31	
1,2,4-Trimethylbenzene	27		"	50.0	0.0	54.2	10-170		34.8	242	
1,2-Dichlorobenzene	22		"	50.0	0.0	44.1	10-147		40.5	52	
1,2-Dichloroethane	35		"	50.0	0.0	70.6	48-133		13.2	32	
1,3,5-Trimethylbenzene	29		"	50.0	0.0	57.1	10-150		35.9	62	
1,3-Dichlorobenzene	22		"	50.0	0.0	43.2	10-144		43.0	51	
1,4-Dichlorobenzene	21		"	50.0	0.0	41.5	10-160		42.3	52	
1,4-Dioxane	930		"	1050	0.0	88.2	10-191		5.02	196	
2-Butanone	34		"	50.0	0.0	68.4	10-189		9.85	67	
Acetone	29		"	50.0	1.3	54.7	10-196		5.41	150	
Benzene	37		"	50.0	0.0	74.4	43-139		14.8	64	
Carbon tetrachloride	44		"	50.0	0.0	88.5	35-145		37.9	31	Non-dir.
Chlorobenzene	28		"	50.0	0.0	56.3	21-154		28.2	32	
Chloroform	38		"	50.0	0.0	77.0	47-142		16.0	29	
cis-1,2-Dichloroethylene	32		"	50.0	0.0	63.5	42-144		11.3	30	
Ethyl Benzene	28		"	50.0	0.0	55.5	11-158		27.6	42	
Methyl tert-butyl ether (MTBE)	46		"	50.0	0.0	92.6	42-152		10.3	47	
Methylene chloride	35		"	50.0	5.5	58.0	28-151		8.87	49	
Naphthalene	18		"	50.0	1.0	33.9	10-158		33.1	95	
n-Butylbenzene	19		"	50.0	0.0	37.3	10-162		24.8	96	
n-Propylbenzene	24		"	50.0	0.0	47.6	10-155		31.9	56	
o-Xylene	30		"	50.0	0.0	59.7	10-158		26.2	51	
p- & m- Xylenes	57		"	100	0.0	57.0	10-156		31.2	47	
sec-Butylbenzene	28		"	50.0	0.0	56.6	10-157		41.2	56	
tert-Butylbenzene	30		"	50.0	0.0	60.7	10-160		40.3	79	
Tetrachloroethylene	32		"	50.0	0.0	63.2	30-167		49.7	33	Non-dir.
Toluene	32		"	50.0	0.0	63.1	21-160		17.2	50	
trans-1,2-Dichloroethylene	32		"	50.0	0.0	64.3	29-153		18.3	30	
Trichloroethylene	30		"	50.0	0.0	59.6	24-169		20.5	30	
Vinyl Chloride	62		"	50.0	0.0	125	12-160		49.6	35	Non-dir.
Surrogate: SURR: 1,2-Dichloroethane-d4	56.0		"	50.0		112	77-125				
Surrogate: SURR: Toluene-d8	47.7		"	50.0		95.5	85-120				
Surrogate: SURR: p-Bromofluorobenzene	43.7		"	50.0		87.3	70-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11704 - EPA 5035A

Blank (BC11704-BLK1)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.0		ug/L	50.0		98.0	77-125				
Surrogate: SURR: Toluene-d8	53.2		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.6		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11704 - EPA 5035A

Blank (BC11704-BLK2)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	49.4		ug/L	50.0		98.8	77-125				
Surrogate: SURR: Toluene-d8	53.0		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.3		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11704 - EPA 5035A

LCS (BC11704-BS1)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	40		ug/L	50.0		79.1	71-137				
1,1-Dichloroethane	43		"	50.0		85.4	75-130				
1,1-Dichloroethylene	50		"	50.0		100	64-137				
1,2,4-Trimethylbenzene	50		"	50.0		100	84-125				
1,2-Dichlorobenzene	49		"	50.0		98.8	85-122				
1,2-Dichloroethane	43		"	50.0		86.8	71-133				
1,3,5-Trimethylbenzene	50		"	50.0		99.3	82-126				
1,3-Dichlorobenzene	47		"	50.0		93.1	84-124				
1,4-Dichlorobenzene	47		"	50.0		93.6	84-124				
1,4-Dioxane	1000		"	1050		97.3	10-228				
2-Butanone	40		"	50.0		79.8	58-147				
Acetone	29		"	50.0		57.3	36-155				
Benzene	44		"	50.0		88.9	77-127				
Carbon tetrachloride	38		"	50.0		75.3	66-143				
Chlorobenzene	44		"	50.0		87.6	86-120				
Chloroform	44		"	50.0		87.3	76-131				
cis-1,2-Dichloroethylene	44		"	50.0		88.4	74-132				
Ethyl Benzene	47		"	50.0		94.5	84-125				
Methyl tert-butyl ether (MTBE)	40		"	50.0		79.8	74-131				
Methylene chloride	43		"	50.0		85.6	57-141				
Naphthalene	50		"	50.0		101	86-141				
n-Butylbenzene	48		"	50.0		96.5	80-130				
n-Propylbenzene	53		"	50.0		105	74-136				
o-Xylene	46		"	50.0		91.3	83-123				
p- & m- Xylenes	93		"	100		92.7	82-128				
sec-Butylbenzene	53		"	50.0		105	83-125				
tert-Butylbenzene	41		"	50.0		82.9	80-127				
Tetrachloroethylene	35		"	50.0		69.8	80-129	Low Bias			
Toluene	48		"	50.0		96.1	85-121				
trans-1,2-Dichloroethylene	45		"	50.0		89.5	72-132				
Trichloroethylene	48		"	50.0		96.7	84-123				
Vinyl Chloride	51		"	50.0		102	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	50.3		"	50.0		101	77-125				
Surrogate: SURR: Toluene-d8	52.8		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.6		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11704 - EPA 5035A

LCS Dup (BC11704-BSD1)

Prepared & Analyzed: 03/29/2021

1,1,1-Trichloroethane	43		ug/L	50.0		85.2	71-137		7.45	30	
1,1-Dichloroethane	48		"	50.0		95.5	75-130		11.2	30	
1,1-Dichloroethylene	53		"	50.0		106	64-137		5.19	30	
1,2,4-Trimethylbenzene	53		"	50.0		105	84-125		4.53	30	
1,2-Dichlorobenzene	50		"	50.0		99.1	85-122		0.344	30	
1,2-Dichloroethane	45		"	50.0		90.4	71-133		4.06	30	
1,3,5-Trimethylbenzene	53		"	50.0		106	82-126		6.26	30	
1,3-Dichlorobenzene	49		"	50.0		97.7	84-124		4.76	30	
1,4-Dichlorobenzene	49		"	50.0		98.1	84-124		4.72	30	
1,4-Dioxane	1100		"	1050		102	10-228		4.78	30	
2-Butanone	42		"	50.0		83.9	58-147		4.94	30	
Acetone	30		"	50.0		60.6	36-155		5.70	30	
Benzene	48		"	50.0		95.2	77-127		6.89	30	
Carbon tetrachloride	40		"	50.0		80.0	66-143		6.13	30	
Chlorobenzene	47		"	50.0		93.7	86-120		6.77	30	
Chloroform	46		"	50.0		92.4	76-131		5.68	30	
cis-1,2-Dichloroethylene	47		"	50.0		94.4	74-132		6.61	30	
Ethyl Benzene	50		"	50.0		101	84-125		6.49	30	
Methyl tert-butyl ether (MTBE)	42		"	50.0		83.4	74-131		4.49	30	
Methylene chloride	45		"	50.0		90.6	57-141		5.70	30	
Naphthalene	53		"	50.0		107	86-141		5.77	30	
n-Butylbenzene	46		"	50.0		92.5	80-130		4.25	30	
n-Propylbenzene	55		"	50.0		111	74-136		5.21	30	
o-Xylene	49		"	50.0		97.8	83-123		6.87	30	
p- & m- Xylenes	99		"	100		99.2	82-128		6.76	30	
sec-Butylbenzene	56		"	50.0		112	83-125		5.96	30	
tert-Butylbenzene	44		"	50.0		87.9	80-127		5.85	30	
Tetrachloroethylene	38		"	50.0		75.7	80-129	Low Bias	8.11	30	
Toluene	51		"	50.0		103	85-121		6.64	30	
trans-1,2-Dichloroethylene	48		"	50.0		95.1	72-132		6.15	30	
Trichloroethylene	52		"	50.0		103	84-123		6.60	30	
Vinyl Chloride	52		"	50.0		103	52-130		0.995	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	49.7		"	50.0		99.5	77-125				
Surrogate: SURR: Toluene-d8	53.0		"	50.0		106	85-120				
Surrogate: SURR: p-Bromofluorobenzene	54.6		"	50.0		109	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11747 - EPA 5035A

Blank (BC11747-BLK1)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	ND	0.0050	mg/kg wet								
1,1-Dichloroethane	ND	0.0050	"								
1,1-Dichloroethylene	ND	0.0050	"								
1,2,4-Trimethylbenzene	ND	0.0050	"								
1,2-Dichlorobenzene	ND	0.0050	"								
1,2-Dichloroethane	ND	0.0050	"								
1,3,5-Trimethylbenzene	ND	0.0050	"								
1,3-Dichlorobenzene	ND	0.0050	"								
1,4-Dichlorobenzene	ND	0.0050	"								
1,4-Dioxane	ND	0.10	"								
2-Butanone	ND	0.0050	"								
Acetone	ND	0.010	"								
Benzene	ND	0.0050	"								
Carbon tetrachloride	ND	0.0050	"								
Chlorobenzene	ND	0.0050	"								
Chloroform	ND	0.0050	"								
cis-1,2-Dichloroethylene	ND	0.0050	"								
Ethyl Benzene	ND	0.0050	"								
Methyl tert-butyl ether (MTBE)	ND	0.0050	"								
Methylene chloride	ND	0.010	"								
Naphthalene	ND	0.010	"								
n-Butylbenzene	ND	0.0050	"								
n-Propylbenzene	ND	0.0050	"								
o-Xylene	ND	0.0050	"								
p- & m- Xylenes	ND	0.010	"								
sec-Butylbenzene	ND	0.0050	"								
tert-Butylbenzene	ND	0.0050	"								
Tetrachloroethylene	ND	0.0050	"								
Toluene	ND	0.0050	"								
trans-1,2-Dichloroethylene	ND	0.0050	"								
Trichloroethylene	ND	0.0050	"								
Vinyl Chloride	ND	0.0050	"								
Xylenes, Total	ND	0.015	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	52.7		ug/L	50.0		105	77-125				
Surrogate: SURR: Toluene-d8	49.2		"	50.0		98.4	85-120				
Surrogate: SURR: p-Bromofluorobenzene	48.8		"	50.0		97.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11747 - EPA 5035A

Blank (BC11747-BLK2)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	ND	0.50	mg/kg wet								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	10	"								
2-Butanone	ND	0.50	"								
Acetone	ND	1.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	1.6	1.0	"								
Naphthalene	ND	1.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		ug/L	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	48.4		"	50.0		96.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	47.2		"	50.0		94.5	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11747 - EPA 5035A

LCS (BC11747-BS1)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	53		ug/L	50.0		106	71-137				
1,1-Dichloroethane	46		"	50.0		92.8	75-130				
1,1-Dichloroethylene	49		"	50.0		97.3	64-137				
1,2,4-Trimethylbenzene	49		"	50.0		98.0	84-125				
1,2-Dichlorobenzene	48		"	50.0		96.4	85-122				
1,2-Dichloroethane	51		"	50.0		102	71-133				
1,3,5-Trimethylbenzene	49		"	50.0		97.6	82-126				
1,3-Dichlorobenzene	47		"	50.0		94.6	84-124				
1,4-Dichlorobenzene	48		"	50.0		95.1	84-124				
1,4-Dioxane	880		"	1050		83.4	10-228				
2-Butanone	42		"	50.0		84.3	58-147				
Acetone	33		"	50.0		65.1	36-155				
Benzene	47		"	50.0		94.6	77-127				
Carbon tetrachloride	53		"	50.0		106	66-143				
Chlorobenzene	48		"	50.0		96.4	86-120				
Chloroform	50		"	50.0		101	76-131				
cis-1,2-Dichloroethylene	47		"	50.0		93.6	74-132				
Ethyl Benzene	50		"	50.0		99.1	84-125				
Methyl tert-butyl ether (MTBE)	51		"	50.0		103	74-131				
Methylene chloride	58		"	50.0		117	57-141				
Naphthalene	49		"	50.0		98.7	86-141				
n-Butylbenzene	49		"	50.0		98.1	80-130				
n-Propylbenzene	46		"	50.0		91.7	74-136				
o-Xylene	50		"	50.0		99.6	83-123				
p- & m- Xylenes	99		"	100		98.9	82-128				
sec-Butylbenzene	49		"	50.0		98.7	83-125				
tert-Butylbenzene	47		"	50.0		94.9	80-127				
Tetrachloroethylene	41		"	50.0		81.4	80-129				
Toluene	48		"	50.0		96.4	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		99.5	72-132				
Trichloroethylene	49		"	50.0		97.8	84-123				
Vinyl Chloride	41		"	50.0		82.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	53.4		"	50.0		107	77-125				
Surrogate: SURR: Toluene-d8	49.4		"	50.0		98.7	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.6		"	50.0		99.2	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11747 - EPA 5035A

LCS Dup (BC11747-BSD1)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	55		ug/L	50.0		109	71-137		2.45	30	
1,1-Dichloroethane	47		"	50.0		93.8	75-130		1.11	30	
1,1-Dichloroethylene	50		"	50.0		99.8	64-137		2.52	30	
1,2,4-Trimethylbenzene	49		"	50.0		98.5	84-125		0.509	30	
1,2-Dichlorobenzene	48		"	50.0		96.2	85-122		0.166	30	
1,2-Dichloroethane	50		"	50.0		99.6	71-133		2.56	30	
1,3,5-Trimethylbenzene	49		"	50.0		98.2	82-126		0.613	30	
1,3-Dichlorobenzene	48		"	50.0		95.5	84-124		0.863	30	
1,4-Dichlorobenzene	48		"	50.0		95.7	84-124		0.650	30	
1,4-Dioxane	880		"	1050		84.2	10-228		1.01	30	
2-Butanone	42		"	50.0		83.9	58-147		0.523	30	
Acetone	32		"	50.0		63.9	36-155		1.83	30	
Benzene	48		"	50.0		96.4	77-127		1.86	30	
Carbon tetrachloride	54		"	50.0		109	66-143		2.85	30	
Chlorobenzene	49		"	50.0		98.3	86-120		1.95	30	
Chloroform	51		"	50.0		101	76-131		0.297	30	
cis-1,2-Dichloroethylene	48		"	50.0		96.2	74-132		2.68	30	
Ethyl Benzene	51		"	50.0		101	84-125		2.10	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		101	74-131		1.43	30	
Methylene chloride	57		"	50.0		115	57-141		1.73	30	
Naphthalene	48		"	50.0		95.3	86-141		3.50	30	
n-Butylbenzene	50		"	50.0		99.8	80-130		1.74	30	
n-Propylbenzene	47		"	50.0		93.5	74-136		1.94	30	
o-Xylene	51		"	50.0		101	83-123		1.67	30	
p- & m- Xylenes	100		"	100		100	82-128		1.23	30	
sec-Butylbenzene	50		"	50.0		101	83-125		1.85	30	
tert-Butylbenzene	48		"	50.0		96.1	80-127		1.19	30	
Tetrachloroethylene	41		"	50.0		82.5	80-129		1.29	30	
Toluene	49		"	50.0		97.7	85-121		1.32	30	
trans-1,2-Dichloroethylene	50		"	50.0		100	72-132		0.721	30	
Trichloroethylene	50		"	50.0		99.4	84-123		1.68	30	
Vinyl Chloride	42		"	50.0		83.5	52-130		1.50	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	52.2		"	50.0		104	77-125				
Surrogate: SURR: Toluene-d8	49.5		"	50.0		98.9	85-120				
Surrogate: SURR: p-Bromofluorobenzene	49.0		"	50.0		98.1	76-130				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11751 - EPA 5030B

Blank (BC11751-BLK1)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	ND	0.50	ug/L								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	80	"								
2-Butanone	ND	0.50	"								
Acetone	ND	2.0	"								
Benzene	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroform	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylene chloride	ND	2.0	"								
Naphthalene	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
sec-Butylbenzene	ND	0.50	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	10.9		"	10.0		109	69-130				
Surrogate: SURR: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: SURR: p-Bromofluorobenzene	10.4		"	10.0		104	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11751 - EPA 5030B

LCS (BC11751-BS1)

Prepared & Analyzed: 03/30/2021

1,1,1-Trichloroethane	9.4		ug/L	10.0		93.7	78-136				
1,1-Dichloroethane	9.4		"	10.0		93.5	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,4-Trimethylbenzene	10		"	10.0		105	82-132				
1,2-Dichlorobenzene	10		"	10.0		103	79-123				
1,2-Dichloroethane	9.5		"	10.0		95.3	73-132				
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131				
1,3-Dichlorobenzene	10		"	10.0		102	86-122				
1,4-Dichlorobenzene	10		"	10.0		104	85-124				
1,4-Dioxane	200		"	210		95.4	10-349				
2-Butanone	9.1		"	10.0		91.2	49-152				
Acetone	6.9		"	10.0		69.1	14-150				
Benzene	9.6		"	10.0		95.6	85-126				
Carbon tetrachloride	9.0		"	10.0		90.4	77-141				
Chlorobenzene	10		"	10.0		102	88-120				
Chloroform	9.4		"	10.0		94.5	82-128				
cis-1,2-Dichloroethylene	9.5		"	10.0		95.1	83-129				
Ethyl Benzene	10		"	10.0		103	80-131				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		89.7	76-135				
Methylene chloride	11		"	10.0		108	55-137				
Naphthalene	9.8		"	10.0		97.9	70-147				
n-Butylbenzene	13		"	10.0		125	79-132				
n-Propylbenzene	10		"	10.0		102	78-133				
o-Xylene	10		"	10.0		102	78-130				
p- & m- Xylenes	21		"	20.0		103	77-133				
sec-Butylbenzene	11		"	10.0		107	79-137				
tert-Butylbenzene	9.0		"	10.0		90.3	77-138				
Tetrachloroethylene	8.3		"	10.0		83.0	82-131				
Toluene	10		"	10.0		104	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
Trichloroethylene	10		"	10.0		104	82-128				
Vinyl Chloride	11		"	10.0		115	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURR: Toluene-d8	10.8		"	10.0		108	81-117				
Surrogate: SURR: p-Bromofluorobenzene	9.79		"	10.0		97.9	79-122				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11751 - EPA 5030B											
LCS Dup (BC11751-BSD1)						Prepared & Analyzed: 03/30/2021					
1,1,1-Trichloroethane	8.9		ug/L	10.0		89.0	78-136		5.15	30	
1,1-Dichloroethane	9.0		"	10.0		90.4	82-129		3.37	30	
1,1-Dichloroethylene	10		"	10.0		102	68-138		5.74	30	
1,2,4-Trimethylbenzene	10		"	10.0		100	82-132		4.59	30	
1,2-Dichlorobenzene	10		"	10.0		102	79-123		0.780	30	
1,2-Dichloroethane	9.4		"	10.0		94.5	73-132		0.843	30	
1,3,5-Trimethylbenzene	9.9		"	10.0		99.4	80-131		4.04	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-122		2.27	30	
1,4-Dichlorobenzene	10		"	10.0		101	85-124		3.12	30	
1,4-Dioxane	210		"	210		102	10-349		6.48	30	
2-Butanone	9.5		"	10.0		94.9	49-152		3.98	30	
Acetone	8.0		"	10.0		79.6	14-150		14.1	30	
Benzene	9.2		"	10.0		92.4	85-126		3.40	30	
Carbon tetrachloride	8.6		"	10.0		86.1	77-141		4.87	30	
Chlorobenzene	9.8		"	10.0		97.5	88-120		4.51	30	
Chloroform	9.1		"	10.0		90.8	82-128		3.99	30	
cis-1,2-Dichloroethylene	9.2		"	10.0		92.2	83-129		3.10	30	
Ethyl Benzene	9.8		"	10.0		97.7	80-131		4.99	30	
Methyl tert-butyl ether (MTBE)	9.4		"	10.0		93.9	76-135		4.58	30	
Methylene chloride	10		"	10.0		104	55-137		3.48	30	
Naphthalene	10		"	10.0		100	70-147		2.62	30	
n-Butylbenzene	12		"	10.0		121	79-132		3.33	30	
n-Propylbenzene	9.6		"	10.0		96.2	78-133		5.36	30	
o-Xylene	9.8		"	10.0		98.0	78-130		3.51	30	
p- & m- Xylenes	20		"	20.0		98.4	77-133		4.28	30	
sec-Butylbenzene	10		"	10.0		103	79-137		4.39	30	
tert-Butylbenzene	8.6		"	10.0		86.2	77-138		4.65	30	
Tetrachloroethylene	8.1		"	10.0		80.7	82-131	Low Bias	2.81	30	
Toluene	10		"	10.0		99.7	80-127		4.51	30	
trans-1,2-Dichloroethylene	9.9		"	10.0		99.1	80-132		5.02	30	
Trichloroethylene	9.9		"	10.0		98.6	82-128		5.23	30	
Vinyl Chloride	11		"	10.0		108	58-145		6.29	30	
Surrogate: SURRE: 1,2-Dichloroethane-d4	10.4		"	10.0		104	69-130				
Surrogate: SURRE: Toluene-d8	10.6		"	10.0		106	81-117				
Surrogate: SURRE: p-Bromofluorobenzene	9.55		"	10.0		95.5	79-122				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11733 - EPA 3546 SVOA

Blank (BC11733-BLK1)

Prepared: 03/30/2021 Analyzed: 03/31/2021

2-Methylphenol	ND	0.0417	mg/kg wet								
3- & 4-Methylphenols	ND	0.0417	"								
Acenaphthene	ND	0.0417	"								
Acenaphthylene	ND	0.0417	"								
Anthracene	ND	0.0417	"								
Benzo(a)anthracene	ND	0.0417	"								
Benzo(a)pyrene	ND	0.0417	"								
Benzo(b)fluoranthene	ND	0.0417	"								
Benzo(g,h,i)perylene	ND	0.0417	"								
Benzo(k)fluoranthene	ND	0.0417	"								
Chrysene	ND	0.0417	"								
Dibenzo(a,h)anthracene	ND	0.0417	"								
Dibenzofuran	ND	0.0417	"								
Fluoranthene	ND	0.0417	"								
Fluorene	ND	0.0417	"								
Hexachlorobenzene	ND	0.0417	"								
Indeno(1,2,3-cd)pyrene	ND	0.0417	"								
Naphthalene	ND	0.0417	"								
Pentachlorophenol	ND	0.0417	"								
Phenanthrene	ND	0.0417	"								
Phenol	ND	0.0417	"								
Pyrene	ND	0.0417	"								
Surrogate: SURR: 2-Fluorophenol	1.18		"	1.67		71.1	20-108				
Surrogate: SURR: Phenol-d5	1.11		"	1.67		66.8	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.637		"	0.833		76.4	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.625		"	0.833		75.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.15		"	1.67		69.2	19-110				
Surrogate: SURR: Terphenyl-d14	0.863		"	0.833		104	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11733 - EPA 3546 SVOA

LCS (BC11733-BS1)

Prepared & Analyzed: 03/30/2021

2-Methylphenol	0.527	0.0417	mg/kg wet	0.833		63.3	10-146				
3- & 4-Methylphenols	0.478	0.0417	"	0.833		57.4	20-109				
Acenaphthene	0.519	0.0417	"	0.833		62.2	17-124				
Acenaphthylene	0.525	0.0417	"	0.833		63.0	16-124				
Anthracene	0.568	0.0417	"	0.833		68.2	24-124				
Benzo(a)anthracene	0.577	0.0417	"	0.833		69.2	25-134				
Benzo(a)pyrene	0.588	0.0417	"	0.833		70.5	29-144				
Benzo(b)fluoranthene	0.578	0.0417	"	0.833		69.3	20-151				
Benzo(g,h,i)perylene	0.644	0.0417	"	0.833		77.2	10-153				
Benzo(k)fluoranthene	0.563	0.0417	"	0.833		67.5	10-148				
Chrysene	0.587	0.0417	"	0.833		70.4	24-116				
Dibenzo(a,h)anthracene	0.596	0.0417	"	0.833		71.6	17-147				
Dibenzofuran	0.541	0.0417	"	0.833		65.0	23-123				
Fluoranthene	0.547	0.0417	"	0.833		65.6	36-125				
Fluorene	0.531	0.0417	"	0.833		63.7	16-130				
Hexachlorobenzene	0.589	0.0417	"	0.833		70.7	10-129				
Indeno(1,2,3-cd)pyrene	0.602	0.0417	"	0.833		72.2	10-155				
Naphthalene	0.514	0.0417	"	0.833		61.7	20-121				
Pentachlorophenol	0.253	0.0417	"	0.833		30.4	10-143				
Phenanthrene	0.568	0.0417	"	0.833		68.2	24-123				
Phenol	0.565	0.0417	"	0.833		67.8	15-123				
Pyrene	0.591	0.0417	"	0.833		71.0	24-132				
Surrogate: SURR: 2-Fluorophenol	1.14		"	1.67		68.2	20-108				
Surrogate: SURR: Phenol-d5	1.12		"	1.67		66.9	23-114				
Surrogate: SURR: Nitrobenzene-d5	0.623		"	0.833		74.7	22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.584		"	0.833		70.0	21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	1.32		"	1.67		79.3	19-110				
Surrogate: SURR: Terphenyl-d14	0.762		"	0.833		91.4	24-116				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11733 - EPA 3546 SVOA

Matrix Spike (BC11733-MS1)	*Source sample: 21C1254-02 (Matrix Spike)						Prepared: 03/30/2021 Analyzed: 03/31/2021				
2-Methylphenol	0.570	0.0851	mg/kg dry	0.851	ND	67.0	10-160				
3- & 4-Methylphenols	0.525	0.0851	"	0.851	ND	61.7	16-115				
Acenaphthene	0.600	0.0851	"	0.851	ND	70.5	13-133				
Acenaphthylene	0.590	0.0851	"	0.851	ND	69.4	25-125				
Anthracene	0.657	0.0851	"	0.851	0.0446	72.0	27-128				
Benzo(a)anthracene	0.913	0.0851	"	0.851	0.277	74.9	20-147				
Benzo(a)pyrene	0.721	0.0851	"	0.851	0.334	45.5	18-153				
Benzo(b)fluoranthene	0.852	0.0851	"	0.851	0.414	51.5	10-163				
Benzo(g,h,i)perylene	0.916	0.0851	"	0.851	0.358	65.6	10-157				
Benzo(k)fluoranthene	0.755	0.0851	"	0.851	0.354	47.2	10-157				
Chrysene	1.16	0.0851	"	0.851	0.500	78.1	18-133				
Dibenzo(a,h)anthracene	0.616	0.0851	"	0.851	0.0859	62.3	10-146				
Dibenzofuran	0.613	0.0851	"	0.851	ND	72.0	26-134				
Fluoranthene	1.57	0.0851	"	0.851	0.887	80.6	10-155				
Fluorene	0.613	0.0851	"	0.851	ND	72.1	12-150				
Hexachlorobenzene	0.630	0.0851	"	0.851	ND	74.0	16-142				
Indeno(1,2,3-cd)pyrene	0.816	0.0851	"	0.851	0.279	63.1	10-155				
Naphthalene	0.590	0.0851	"	0.851	ND	69.4	15-132				
Pentachlorophenol	0.472	0.0851	"	0.851	ND	55.5	10-160				
Phenanthrene	0.958	0.0851	"	0.851	0.358	70.6	10-151				
Phenol	0.636	0.0851	"	0.851	ND	74.8	11-124				
Pyrene	1.47	0.0851	"	0.851	1.11	42.5	13-148				
<i>Surrogate: SURR: 2-Fluorophenol</i>	<i>0.00</i>		<i>"</i>	<i>1.70</i>			<i>20-108</i>				
<i>Surrogate: SURR: Phenol-d5</i>	<i>0.00</i>		<i>"</i>	<i>1.70</i>			<i>23-114</i>				
<i>Surrogate: SURR: Nitrobenzene-d5</i>	<i>0.00</i>		<i>"</i>	<i>0.851</i>			<i>22-108</i>				
<i>Surrogate: SURR: 2-Fluorobiphenyl</i>	<i>0.00</i>		<i>"</i>	<i>0.851</i>			<i>21-113</i>				
<i>Surrogate: SURR: 2,4,6-Tribromophenol</i>	<i>0.00</i>		<i>"</i>	<i>1.70</i>			<i>19-110</i>				
<i>Surrogate: SURR: Terphenyl-d14</i>	<i>0.00</i>		<i>"</i>	<i>0.851</i>			<i>24-116</i>				



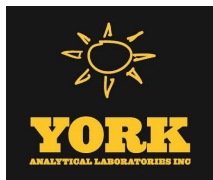
Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11733 - EPA 3546 SVOA

Matrix Spike Dup (BC11733-MSD1)		*Source sample: 21C1254-02 (Matrix Spike Dup)					Prepared: 03/30/2021 Analyzed: 03/31/2021				
2-Methylphenol	0.664	0.0851	mg/kg dry	0.851	ND	78.0	10-160		15.2	30	
3- & 4-Methylphenols	0.617	0.0851	"	0.851	ND	72.5	16-115		16.1	30	
Acenaphthene	0.685	0.0851	"	0.851	ND	80.6	13-133		13.3	30	
Acenaphthylene	0.689	0.0851	"	0.851	ND	81.0	25-125		15.4	30	
Anthracene	0.766	0.0851	"	0.851	0.0446	84.8	27-128		15.2	30	
Benzo(a)anthracene	1.20	0.0851	"	0.851	0.277	109	20-147		27.2	30	
Benzo(a)pyrene	1.19	0.0851	"	0.851	0.334	101	18-153		49.3	30	Non-dir.
Benzo(b)fluoranthene	1.46	0.0851	"	0.851	0.414	124	10-163		52.9	30	Non-dir.
Benzo(g,h,i)perylene	1.23	0.0851	"	0.851	0.358	103	10-157		29.3	30	
Benzo(k)fluoranthene	1.30	0.0851	"	0.851	0.354	111	10-157		53.0	30	Non-dir.
Chrysene	1.68	0.0851	"	0.851	0.500	139	18-133	High Bias	36.5	30	Non-dir.
Dibenzo(a,h)anthracene	0.752	0.0851	"	0.851	0.0859	78.3	10-146		19.9	30	
Dibenzofuran	0.703	0.0851	"	0.851	ND	82.6	26-134		13.8	30	
Fluoranthene	2.34	0.0851	"	0.851	0.887	171	10-155	High Bias	39.3	30	Non-dir.
Fluorene	0.722	0.0851	"	0.851	ND	84.9	12-150		16.3	30	
Hexachlorobenzene	0.751	0.0851	"	0.851	ND	88.2	16-142		17.6	30	
Indeno(1,2,3-cd)pyrene	1.10	0.0851	"	0.851	0.279	96.1	10-155		29.4	30	
Naphthalene	0.685	0.0851	"	0.851	ND	80.6	15-132		14.9	30	
Pentachlorophenol	0.589	0.0851	"	0.851	ND	69.3	10-160		22.1	30	
Phenanthrene	1.23	0.0851	"	0.851	0.358	102	10-151		24.5	30	
Phenol	0.718	0.0851	"	0.851	ND	84.4	11-124		12.1	30	
Pyrene	2.01	0.0851	"	0.851	1.11	107	13-148		31.3	30	Non-dir.
Surrogate: SURR: 2-Fluorophenol	0.00		"	1.70			20-108				
Surrogate: SURR: Phenol-d5	0.00		"	1.70			23-114				
Surrogate: SURR: Nitrobenzene-d5	0.00		"	0.851			22-108				
Surrogate: SURR: 2-Fluorobiphenyl	0.00		"	0.851			21-113				
Surrogate: SURR: 2,4,6-Tribromophenol	0.00		"	1.70			19-110				
Surrogate: SURR: Terphenyl-d14	0.00		"	0.851			24-116				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11736 - EPA 3550C

Blank (BC11736-BLK1)

Prepared & Analyzed: 03/30/2021

4,4'-DDD	ND	0.00164	mg/kg wet
4,4'-DDE	ND	0.00164	"
4,4'-DDT	ND	0.00164	"
Aldrin	ND	0.00164	"
alpha-BHC	ND	0.00164	"
alpha-Chlordane	ND	0.00164	"
beta-BHC	ND	0.00164	"
delta-BHC	ND	0.00164	"
Dieldrin	ND	0.00164	"
Endosulfan I	ND	0.00164	"
Endosulfan II	ND	0.00164	"
Endosulfan sulfate	ND	0.00164	"
Endrin	ND	0.00164	"
gamma-BHC (Lindane)	ND	0.00164	"
Heptachlor	ND	0.00164	"

Surrogate: Decachlorobiphenyl

0.0676

"

0.0664

102

30-150

Surrogate: Tetrachloro-m-xylene

0.0602

"

0.0664

90.6

30-150

LCS (BC11736-BS1)

Prepared & Analyzed: 03/30/2021

4,4'-DDD	0.0283	0.00164	mg/kg wet	0.0332	85.3	40-140
4,4'-DDE	0.0147	0.00164	"	0.0332	44.3	40-140
4,4'-DDT	0.0136	0.00164	"	0.0332	41.0	40-140
Aldrin	0.0276	0.00164	"	0.0332	83.0	40-140
alpha-BHC	0.0236	0.00164	"	0.0332	70.9	40-140
alpha-Chlordane	0.0248	0.00164	"	0.0332	74.5	40-140
beta-BHC	0.0193	0.00164	"	0.0332	58.1	40-140
delta-BHC	0.0243	0.00164	"	0.0332	73.1	40-140
Dieldrin	0.0259	0.00164	"	0.0332	78.0	40-140
Endosulfan I	0.0344	0.00164	"	0.0332	104	40-140
Endosulfan II	0.0277	0.00164	"	0.0332	83.4	40-140
Endosulfan sulfate	0.0268	0.00164	"	0.0332	80.7	40-140
Endrin	0.0210	0.00164	"	0.0332	63.3	40-140
gamma-BHC (Lindane)	0.0244	0.00164	"	0.0332	73.3	40-140
Heptachlor	0.0250	0.00164	"	0.0332	75.3	40-140

Surrogate: Decachlorobiphenyl

0.0661

"

0.0664

99.4

30-150

Surrogate: Tetrachloro-m-xylene

0.0574

"

0.0664

86.4

30-150



Organochlorine Pesticides by GC/ECD - Quality Control Data

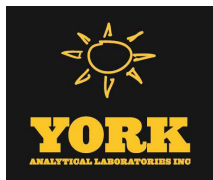
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11736 - EPA 3550C

Matrix Spike (BC11736-MS1)		*Source sample: 21C1225-01 (Matrix Spike)						Prepared: 03/30/2021 Analyzed: 04/01/2021			
4,4'-DDD	0.0294	0.00164	mg/kg dry	0.0336	ND	87.4	30-150				
4,4'-DDE	0.0215	0.00164	"	0.0336	ND	64.0	30-150				
4,4'-DDT	0.0173	0.00164	"	0.0336	ND	51.6	30-150				
Aldrin	0.0215	0.00164	"	0.0336	ND	63.9	30-150				
alpha-BHC	0.0232	0.00164	"	0.0336	ND	69.1	30-150				
alpha-Chlordane	0.0218	0.00164	"	0.0336	ND	65.0	30-150				
beta-BHC	0.0260	0.00164	"	0.0336	ND	77.2	30-150				
delta-BHC	0.0183	0.00164	"	0.0336	ND	54.4	30-150				
Dieldrin	0.0205	0.00164	"	0.0336	ND	61.0	30-150				
Endosulfan I	0.0225	0.00164	"	0.0336	ND	66.8	30-150				
Endosulfan II	0.0137	0.00164	"	0.0336	ND	40.9	30-150				
Endosulfan sulfate	0.0136	0.00164	"	0.0336	ND	40.5	30-150				
Endrin	0.0244	0.00164	"	0.0336	ND	72.7	30-150				
gamma-BHC (Lindane)	0.0350	0.00164	"	0.0336	ND	104	30-150				
Heptachlor	0.0217	0.00164	"	0.0336	ND	64.6	30-150				
Surrogate: Decachlorobiphenyl	0.0528		"	0.0672		78.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0574		"	0.0672		85.4	30-150				

Matrix Spike Dup (BC11736-MSD1)		*Source sample: 21C1225-01 (Matrix Spike Dup)						Prepared: 03/30/2021 Analyzed: 04/01/2021			
4,4'-DDD	0.0280	0.00164	mg/kg dry	0.0336	ND	83.4	30-150	4.66	30		
4,4'-DDE	0.0204	0.00164	"	0.0336	ND	60.7	30-150	5.29	30		
4,4'-DDT	0.0145	0.00164	"	0.0336	ND	43.2	30-150	17.7	30		
Aldrin	0.0203	0.00164	"	0.0336	ND	60.4	30-150	5.65	30		
alpha-BHC	0.0218	0.00164	"	0.0336	ND	65.0	30-150	6.10	30		
alpha-Chlordane	0.0202	0.00164	"	0.0336	ND	60.1	30-150	7.74	30		
beta-BHC	0.0245	0.00164	"	0.0336	ND	73.0	30-150	5.64	30		
delta-BHC	0.0174	0.00164	"	0.0336	ND	51.8	30-150	4.81	30		
Dieldrin	0.0194	0.00164	"	0.0336	ND	57.7	30-150	5.54	30		
Endosulfan I	0.0212	0.00164	"	0.0336	ND	63.2	30-150	5.65	30		
Endosulfan II	0.0147	0.00164	"	0.0336	ND	43.9	30-150	7.02	30		
Endosulfan sulfate	0.0137	0.00164	"	0.0336	ND	40.8	30-150	0.763	30		
Endrin	0.0236	0.00164	"	0.0336	ND	70.3	30-150	3.38	30		
gamma-BHC (Lindane)	0.0328	0.00164	"	0.0336	ND	97.6	30-150	6.37	30		
Heptachlor	0.0201	0.00164	"	0.0336	ND	59.9	30-150	7.57	30		
Surrogate: Decachlorobiphenyl	0.0582		"	0.0672		86.6	30-150				
Surrogate: Tetrachloro-m-xylene	0.0538		"	0.0672		80.1	30-150				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y0L0501 - BL00027

Performance Mix (Y0L0501-PEM1)

Prepared & Analyzed: 12/05/2020

4,4'-DDD	4.16		ng/mL	0.00			0-200				
4,4'-DDE	1.04		"	0.00			0-200				
4,4'-DDT	182		"	200		91.2	0-200				
Endrin	97.9		"	100		97.9	0-200				

Batch Y1C2307 - BL00027

Performance Mix (Y1C2307-PEM1)

Prepared & Analyzed: 03/22/2021

4,4'-DDD	10.9		ng/mL	0.00			0-200				
4,4'-DDE	0.00		"	0.00			0-200				
4,4'-DDT	165		"	200		82.4	0-200				
Endrin	72.7		"	100		72.7	0-200				

Batch Y1C3118 - BC11630

Performance Mix (Y1C3118-PEM1)

Prepared & Analyzed: 03/30/2021

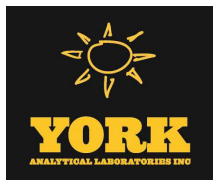
4,4'-DDD	17.1		ng/mL	0.00			0-200				
4,4'-DDE	2.48		"	0.00			0-200				
4,4'-DDT	186		"	200		93.2	0-200				
Endrin	105		"	100		105	0-200				

Batch Y1D0110 - BC11630

Performance Mix (Y1D0110-PEM1)

Prepared & Analyzed: 03/31/2021

4,4'-DDD	5.56		ng/mL	0.00			0-200				
4,4'-DDE	2.13		"	0.00			0-200				
4,4'-DDT	177		"	200		88.5	0-200				
Endrin	105		"	100		105	0-200				



Organochlorine Pesticides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1D0206 - BL00027

Performance Mix (Y1D0206-PEM1)

Prepared & Analyzed: 04/01/2021

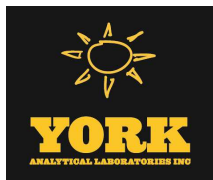
4,4'-DDD	17.5		ng/mL	0.00			0-200				
4,4'-DDE	0.489		"	0.00			0-200				
4,4'-DDT	167		"	200		83.4	0-200				
Endrin	107		"	100		107	0-200				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11736 - EPA 3550C											
Blank (BC11736-BLK2)						Prepared & Analyzed: 03/30/2021					
Aroclor 1016	ND	0.0166	mg/kg wet								
Aroclor 1221	ND	0.0166	"								
Aroclor 1232	ND	0.0166	"								
Aroclor 1242	ND	0.0166	"								
Aroclor 1248	ND	0.0166	"								
Aroclor 1254	ND	0.0166	"								
Aroclor 1260	ND	0.0166	"								
Total PCBs	ND	0.0166	"								
Surrogate: Tetrachloro-m-xylene	0.0588		"	0.0664		88.5	30-140				
Surrogate: Decachlorobiphenyl	0.0385		"	0.0664		58.0	30-140				
LCS (BC11736-BS2)						Prepared & Analyzed: 03/30/2021					
Aroclor 1016	0.217	0.0166	mg/kg wet	0.332		65.3	40-130				
Aroclor 1260	0.229	0.0166	"	0.332		69.0	40-130				
Surrogate: Tetrachloro-m-xylene	0.0518		"	0.0664		78.0	30-140				
Surrogate: Decachlorobiphenyl	0.0355		"	0.0664		53.5	30-140				
Matrix Spike (BC11736-MS2)						*Source sample: 21C1225-01 (Matrix Spike) Prepared: 03/30/2021 Analyzed: 03/31/2021					
Aroclor 1016	0.233	0.0168	mg/kg dry	0.336	ND	69.3	40-140				
Aroclor 1260	0.237	0.0168	"	0.336	ND	70.5	40-140				
Surrogate: Tetrachloro-m-xylene	0.0514		"	0.0672		76.5	30-140				
Surrogate: Decachlorobiphenyl	0.0413		"	0.0672		61.5	30-140				
Matrix Spike Dup (BC11736-MSD2)						*Source sample: 21C1225-01 (Matrix Spike Dup) Prepared: 03/30/2021 Analyzed: 03/31/2021					
Aroclor 1016	0.232	0.0168	mg/kg dry	0.336	ND	69.0	40-140		0.376	50	
Aroclor 1260	0.238	0.0168	"	0.336	ND	70.8	40-140		0.340	50	
Surrogate: Tetrachloro-m-xylene	0.0511		"	0.0672		76.0	30-140				
Surrogate: Decachlorobiphenyl	0.0400		"	0.0672		59.5	30-140				



Polychlorinated Biphenyls by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch Y1C3023 - BC11736

Aroclor Reference (Y1C3023-ARC1)

Prepared & Analyzed: 03/30/2021

Surrogate: Tetrachloro-m-xylene	0.190		ug/mL	0.200		95.0					
Surrogate: Decachlorobiphenyl	0.172		"	0.200		86.0					



Chlorinated Herbicides by GC/ECD - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11738 - EPA 3550C/8151A

Blank (BC11738-BLK1)

Prepared & Analyzed: 03/30/2021

2,4,5-TP (Silvex)	ND	0.0200	mg/kg wet								
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.416		"	0.417		99.8	21-150				

LCS (BC11738-BS1)

Prepared & Analyzed: 03/30/2021

2,4,5-TP (Silvex)	0.125	0.0200	mg/kg wet	0.133		93.8	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.411		"	0.417		98.6	21-150				

Matrix Spike (BC11738-MS1)

*Source sample: 21C1241-03 (Matrix Spike)

Prepared & Analyzed: 03/30/2021

2,4,5-TP (Silvex)	0.0825	0.0208	mg/kg dry	0.139	ND	59.4	10-120				
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.307		"	0.434		70.8	21-150				

Matrix Spike Dup (BC11738-MSD1)

*Source sample: 21C1241-03 (Matrix Spike Dup)

Prepared & Analyzed: 03/30/2021

2,4,5-TP (Silvex)	0.0816	0.0208	mg/kg dry	0.139	ND	58.7	10-120		1.06	35	
Surrogate: 2,4-Dichlorophenylacetic acid (DCAA)	0.304		"	0.434		70.0	21-150				



Gas Chromatography/Flame Ionization Detector - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11700 - EPA 5035A

Blank (BC11700-BLK1)

Prepared: 03/29/2021 Analyzed: 03/30/2021

Total Petroleum Hydrocarbons-GRO	ND	80.0	mg/kg wet								
Surrogate: SURR: p-Bromofluorobenzene	200		ug/L	200		99.8	70-130				

Duplicate (BC11700-DUP1)

*Source sample: 21C1347-15 (SB3 comp 5-10)

Prepared: 03/29/2021 Analyzed: 03/30/2021

Total Petroleum Hydrocarbons-GRO	297	88.8	mg/kg dry		247				18.2	30	
Surrogate: SURR: p-Bromofluorobenzene	176		ug/L	200		87.9	70-130				

Matrix Spike (BC11700-MS1)

*Source sample: 21C1347-15 (SB3 comp 5-10)

Prepared: 03/29/2021 Analyzed: 03/30/2021

Total Petroleum Hydrocarbons-GRO	8920		ug/L	20000	2230	33.5	70-130	Low Bias			
Surrogate: SURR: p-Bromofluorobenzene	182		"	200		90.9	70-130				

Reference (BC11700-SRM1)

Prepared: 03/29/2021 Analyzed: 03/30/2021

Total Petroleum Hydrocarbons-GRO	93.9	20.0	mg/kg wet	237		39.6	24.9-274				
Surrogate: SURR: p-Bromofluorobenzene	207		ug/L	200		104	70-130				

Batch BC11840 - EPA 3550C

Blank (BC11840-BLK1)

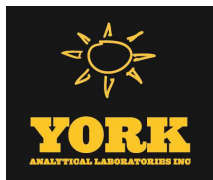
Prepared: 03/31/2021 Analyzed: 04/01/2021

Total Petroleum Hydrocarbons-DRO	ND	9.90	mg/kg wet								
Surrogate: Triacotane	10.8		"	9.90		109	30-150				

LCS (BC11840-BS1)

Prepared: 03/31/2021 Analyzed: 04/01/2021

Total Petroleum Hydrocarbons-DRO	186	9.90	mg/kg wet	170		109	40-140				
Surrogate: Triacotane	9.48		"	9.90		95.7	30-150				



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11740 - EPA 3050B

Blank (BC11740-BLK1)

Prepared: 03/30/2021 Analyzed: 03/31/2021

Arsenic	ND	1.50	mg/kg wet
Barium	ND	2.50	"
Beryllium	ND	0.050	"
Cadmium	ND	0.300	"
Chromium	ND	0.500	"
Copper	ND	2.00	"
Lead	ND	0.500	"
Manganese	ND	0.500	"
Nickel	ND	1.00	"
Selenium	ND	2.50	"
Silver	ND	0.500	"
Zinc	ND	2.50	"

Duplicate (BC11740-DUP1)

*Source sample: 21C1403-01 (Duplicate)

Prepared: 03/30/2021 Analyzed: 03/31/2021

Arsenic	ND	1.57	mg/kg dry	ND			35
Barium	28.9	2.61	"	25.6		12.2	35
Beryllium	ND	0.052	"	ND			35
Cadmium	ND	0.313	"	ND			35
Chromium	15.6	0.522	"	16.6		6.53	35
Copper	44.9	2.09	"	46.9		4.38	35
Lead	6.07	0.522	"	6.10		0.572	35
Manganese	134	0.522	"	135		1.25	35
Nickel	11.3	1.04	"	10.1		10.8	35
Selenium	ND	2.61	"	ND			35
Silver	ND	0.522	"	ND			35
Zinc	32.0	2.61	"	36.7		13.9	35

Matrix Spike (BC11740-MS1)

*Source sample: 21C1403-01 (Matrix Spike)

Prepared: 03/30/2021 Analyzed: 03/31/2021

Arsenic	221	1.57	mg/kg dry	209	ND	106	75-125	Low Bias
Barium	241	2.61	"	209	25.6	103	75-125	
Beryllium	4.72	0.052	"	5.22	ND	90.5	75-125	
Cadmium	5.50	0.313	"	5.22	ND	105	75-125	
Chromium	36.7	0.522	"	20.9	16.6	96.1	75-125	
Copper	54.0	2.09	"	26.1	46.9	26.9	75-125	
Lead	64.0	0.522	"	52.2	6.10	111	75-125	
Manganese	186	0.522	"	52.2	135	97.0	75-125	
Nickel	66.2	1.04	"	52.2	10.1	107	75-125	
Selenium	197	2.61	"	209	ND	94.2	75-125	
Silver	4.27	0.522	"	5.22	ND	81.9	75-125	
Zinc	84.4	2.61	"	52.2	36.7	91.4	75-125	



Metals by ICP - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11740 - EPA 3050B

Post Spike (BC11740-PS1)		*Source sample: 21C1403-01 (Post Spike)					Prepared: 03/30/2021 Analyzed: 03/31/2021				
Arsenic	2.15		ug/mL	2.00	0.011	107	75-125				
Barium	2.39		"	2.00	0.245	107	75-125				
Beryllium	0.048		"	0.0500	-0.007	95.3	75-125				
Cadmium	0.052		"	0.0500	0.0008	103	75-125				
Chromium	0.365		"	0.200	0.159	103	75-125				
Copper	0.718		"	0.250	0.450	107	75-125				
Lead	0.615		"	0.500	0.058	111	75-125				
Manganese	1.85		"	0.500	1.30	111	75-125				
Nickel	0.652		"	0.500	0.097	111	75-125				
Selenium	1.87		"	2.00	-0.044	93.6	75-125				
Silver	0.002		"	0.0500	-0.012	3.41	75-125	Low Bias			
Zinc	0.868		"	0.500	0.352	103	75-125				

Reference (BC11740-SRM1)							Prepared: 03/30/2021 Analyzed: 03/31/2021				
Arsenic	151	1.50	mg/kg wet	162		93.4	70.1-129.8				
Barium	130	2.50	"	138		94.0	75-125				
Beryllium	164	0.050	"	157		105	75-125.2				
Cadmium	136	0.300	"	135		101	74.8-125.2				
Chromium	109	0.500	"	117		93.3	70.1-129.9				
Copper	137	2.00	"	143		95.7	75.3-125.3				
Lead	70.1	0.500	"	77.6		90.3	70-130				
Manganese	311	0.500	"	319		97.6	78.1-122				
Nickel	89.2	1.00	"	79.9		112	70.1-130.1				
Selenium	140	2.50	"	172		81.2	55.7-144.5				
Silver	20.1	0.500	"	24.7		81.3	69.2-130.8				
Zinc	302	2.50	"	312		96.7	69.9-130.1				



Mercury by EPA 7000/200 Series Methods - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC11819 - EPA 7473 soil											
Blank (BC11819-BLK1)								Prepared & Analyzed: 03/30/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC11819-DUP1)								Prepared & Analyzed: 03/30/2021			
Mercury	ND	0.0314	mg/kg dry		ND					35	
Matrix Spike (BC11819-MS1)								Prepared & Analyzed: 03/30/2021			
Mercury	0.476		mg/kg	0.500	0.00920	93.4	75-125				
Reference (BC11819-SRM1)								Prepared & Analyzed: 03/30/2021			
Mercury	31.216		mg/kg	27.2		115	59.9-140.1				



Wet Chemistry Parameters - Quality Control Data
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	Limit	Flag
Batch BC11680 - Analysis Preparation Soil											
Blank (BC11680-BLK1)							Prepared & Analyzed: 03/30/2021				
Cyanide, total	ND	0.500	mg/kg wet								
LCS (BC11680-BS1)							Prepared & Analyzed: 03/30/2021				
Cyanide, total	90.7		ug/mL	91.9		98.6	72.9-112				
Duplicate (BC11680-DUP1)							Prepared & Analyzed: 03/30/2021				
Cyanide, total	ND	0.568	mg/kg dry		ND					15	
Matrix Spike (BC11680-MS1)							Prepared & Analyzed: 03/30/2021				
Cyanide, total	2.72	0.568	mg/kg dry	11.4	ND	24.0	79.6-107	Low Bias			
Batch BC11686 - EPA SW846-3060											
Blank (BC11686-BLK1)							Prepared & Analyzed: 03/29/2021				
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Duplicate (BC11686-DUP1)							Prepared & Analyzed: 03/29/2021				
Chromium, Hexavalent	ND	0.524	mg/kg dry		ND					35	
Matrix Spike (BC11686-MS1)							Prepared & Analyzed: 03/29/2021				
Chromium, Hexavalent	13.0	0.524	mg/kg dry	21.0	ND	62.0	75-125	Low Bias			
Matrix Spike (BC11686-MS2)							Prepared & Analyzed: 03/29/2021				
Chromium, Hexavalent	12.2	0.524	mg/kg dry	21.0	ND	58.0	75-125	Low Bias			
Reference (BC11686-SRM1)							Prepared & Analyzed: 03/29/2021				
Chromium, Hexavalent	71.2		mg/L	109		65.3	30-169.7				



Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BC11691 - % Solids Prep

Duplicate (BC11691-DUP1)		*Source sample: 21C1351-03 (Duplicate)						Prepared & Analyzed: 03/29/2021			
% Solids	84.4	0.100	%		90.0				6.44	20	



Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C1347-01	SB11 comp 0-5	8 oz. WM Clear Glass Cool to 4° C
21C1347-02	SB11 VOC 0-5	2 oz. WM Clear Glass Cool to 4° C
21C1347-03	SB11 comp 5-10	8 oz. WM Clear Glass Cool to 4° C
21C1347-04	SB11 VOC 5-10	2 oz. WM Clear Glass Cool to 4° C
21C1347-05	SB13 comp 0-5	8 oz. WM Clear Glass Cool to 4° C
21C1347-06	SB13 VOC 0-5	40mL Vial with Stir Bar-Cool 4° C
21C1347-07	SB13 comp 5-10	8 oz. WM Clear Glass Cool to 4° C
21C1347-08	SB13 VOC 5-10	40mL Vial with Stir Bar-Cool 4° C
21C1347-09	SB6 comp 0-5	8 oz. WM Clear Glass Cool to 4° C
21C1347-10	SB6 VOC 0-5	40mL Vial with Stir Bar-Cool 4° C
21C1347-11	SB6 comp 5-10	8 oz. WM Clear Glass Cool to 4° C
21C1347-12	SB6 VOC 5-10	40mL Vial with Stir Bar-Cool 4° C
21C1347-13	SB3 comp 0-5	8 oz. WM Clear Glass Cool to 4° C
21C1347-14	SB3 VOC 0-5	40mL Vial with Stir Bar-Cool 4° C
21C1347-15	SB3 comp 5-10	8 oz. WM Clear Glass Cool to 4° C
21C1347-16	SB3 VOC 5-10	40mL Vial with Stir Bar-Cool 4° C
21C1347-17	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C



Sample and Data Qualifiers Relating to This Work Order

M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
CCV-H	The value reported is estimated due to its behavior during continuing calibration verification (>20% difference for average RF or >20% drift for linear or quadratic fit.) This value may be biased high.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
IS-HI	The internal std associated with this target compound did not meet acceptance criteria (area >200% CCV) at the stated dilution due to matrix effects. Sample was rerun to confirm matrix effects.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
A-01	The matrix spike and matrix spike duplicate were not spiked with surrogates, however were spiked with all compounds of concern.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
VOA-CONT	Non-Compliant - the container(s) provided by the client for soil volatiles do not meet the requirements of EPA SW846-5035A. Results reported below 200 ug/kg may be biased low due to samples not being collected according to EPA SW846 5035A requirements.
PCB-Tot	It is noted that other PCB species were detected in the sample other than those reported and may include PCB 1262 and PCB 1268.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
QM-05	The spike recovery was outside acceptance limits for the MS and/or MSD due to matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data are acceptable.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
S-01	The surrogate recovery for this sample may not be available due to sample dilution required from high analyte concentration and/or matrix interferences.
M-CRL	The RL check for this element recovered outside of control limits.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.



Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.



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Field Chain-of-Custody Record

YORK Project No.
21C1347

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

Page _____ of _____

YOUR INFORMATION		Report To:		Invoice To:		YOUR Project Number		Turn-Around Time	
Company:	Address:	Company:	Address:	Company:	Address:	RUSH - Next Day		RUSH - Next Day	
Phone:	Phone:	Company:	Address:	Company:	Address:	RUSH - Two Day		RUSH - Two Day	
Contact:	Contact:	Company:	Address:	Company:	Address:	RUSH - Three Day		RUSH - Three Day	
E-mail:	E-mail:	Company:	Address:	Company:	Address:	RUSH - Four Day		RUSH - Four Day	
E-mail:		Company:	Address:	Company:	Address:	Standard (5-7 Day)		Standard (5-7 Day)	
Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.		Samples Collected by: (print your name above and sign below)		YOUR POK:		YORK Reg. Comp.		Compared to the following Regulation(s): (please fill in)	
DAJTM CERVOU		DAJTM CERVOU		DAJTM CERVOU		YORK Reg. Comp.		Compared to the following Regulation(s): (please fill in)	
Sample Identification		Sample Matrix		Date/Time Sampled		Analysis Requested		Container Description	
SB11 comp 0-5-5-10		GW - groundwater		3/24		KYSDEC LIST Full		B02	
SB11 VOC 0-5-5-10		DW - drinking water				+ DRD/GRO		PEN	
SB13 comp 0-5-5-10		WW - wastewater						conc	
SB13 VOC 0-5-5-10		O - Oil							
SB13 comp 0-5-5-10									
SB13 VOC 0-5-5-10									
SB13 comp 0-5-5-10									
SB13 VOC 0-5-5-10									
SB13 comp 0-5-5-10									
SB13 VOC 0-5-5-10									
Comments: PID VOC 13 = 170ppm		HISTORIC Full							
K-95ppm		PC SOLS							
K-89ppm									
Samples Relinquished by / Company		Samples Received by / Company		Date/Time		Date/Time		Date/Time	
DAJTM CERVOU		KELLY		3/25/24		3/24/21		3/23	
Received by / Company		Samples Relinquished by / Company		Date/Time		Date/Time		Date/Time	
DAJTM CERVOU		KELLY		3/25/24		3/24/21		3/23	
Relinquished by / Company		Samples Received by / Company		Date/Time		Date/Time		Date/Time	
DAJTM CERVOU		KELLY		3/25/24		3/24/21		3/23	
Temp. Received at Lab		Temp. Received at Lab		Temp. Received at Lab		Temp. Received at Lab		Temp. Received at Lab	
3.1		3.1		3.1		3.1		3.1	