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Updated Characterization Report of 6819 Woodhaven Blvd., Queens New York

Prepared for:
Damien Smith, President
First Standard Construction
70 Lafayette Street, 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

On behalf of 68-19 Rego Park LLC, Restoration & Conservation Advisement Group LLC (RCA) of Queens, New York prepared this in-situ Updated Soil and Vapor investigation to identify continued recognized environmental conditions (RECs) in accordance with ASTM Standard E-1527-13 at 6819 Woodhaven Blvd (Figure 1a), located in the heart of Queens, New York, across from St John's Cemetery from said Automotive activities. Since the prior Phase 2 investigation the new owners called Aarco Environmental to vac and pump out the auto rinse pit directly in the center of the Automotive repair shop (Appendix 1 Aarco Profile and Manifests). Due to the operating business, the current occupant did not want our remediation activities to disrupt his business, therefore all we were able to do was vac-pump out the rinse pit and fill it with RCA and cap it with cement to prevent any additional chemical runoff from impacting the groundwater as a result of their activities. Due to the nature of the business, and "Automotive repair and auto-body repair" shop, we re-visited the site *7* months later to conduct core sampling to see if there were existing releases occurring and if, past releases, of hazardous substances or petroleum products that made its way into the drains and center pit within the property still acted as an RECs.

2020 Limited Clean Up Methods & Logistical Approach

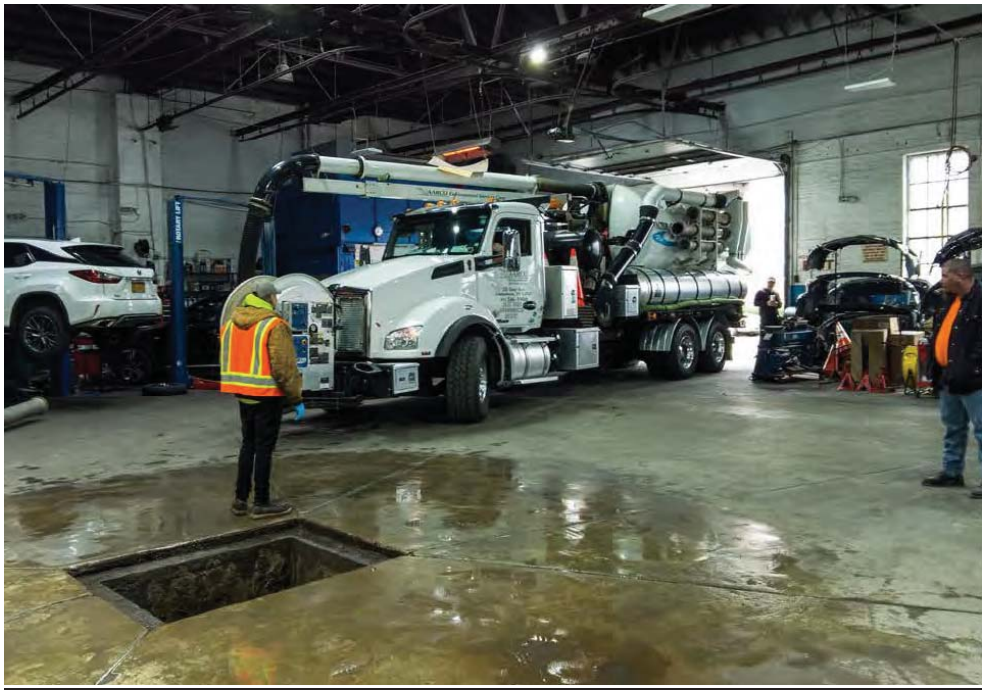
The main investigative area the indoor auto body repair shop, main drainage pit directly on the east side of the building, which is labeled. **Figures below** shows the main problem area of consisting of a point source "test pit", on the inside of the auto repair shop eventually impacting the groundwater. This is a combination of car rinsing following painting and cleaning of the automobiles. The Main Drainage Pit was the location with high levels of contaminants that were prepped for excavation, removal of soil, water and PC impacted sludge.

Figure 1

Attempt to Clean Out Rinse Pit

On March, 2020, Restoration & Conservation LLC, advanced a clean-up crew consisting of a VAC-TRUCK, Soil Guzzler for the removal of water and soils from the indoor Main Drainage Pit samples **(Figure 2).**

Figure (3)



All water was vacuumed out of the main drainage pit until all the rinse-sludge was evacuated into the Vac-truck tank; from that point, we noticed that the was only a small 4inch hole created by the previous owner to eliminate or drain all surface water into the ground. Therefore; we broke the hole open to a 30x30 inch sq., opening to excavate out all the impacted wet soils first. We then placed the Guzzler hose deep into the hole to suck out water and muck. **Figure (4)**

Figure (5)

Figure (6) Below shows point source pipe with a sheen in the soil.

We were successful in pumping out about amounting to approximately 1,000 gallons of wet muck. We then excavated about 3 yards of soils down to 10ft out of the hole below the pit grade. These soils and water were taken out by Aarco Environmental to a facility that accepts impacted PC water and soils (Appendix 1).

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.

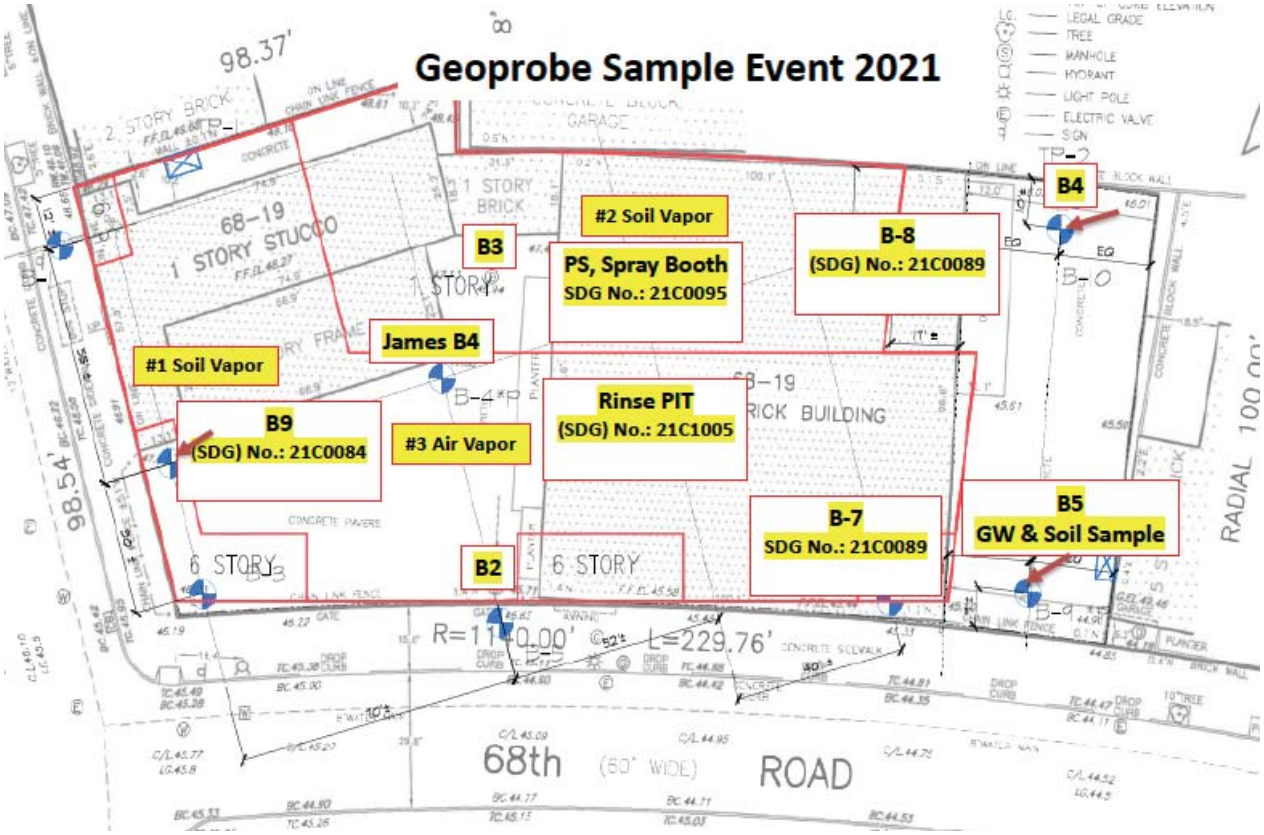
Original 2019 Rinse Pit (Appendix 2).
Report Date: 05/30/2019 Client Project ID: Woodhaven Blvd Auto 87-15 68th Queens NY; York Project (SDG) No.: 19E0929.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19E0929-01	B-5	Water	05/20/2019	05/20/2019
19E0929-02	B-2	Water	05/20/2019	05/20/2019

A summery shows initial water samples associated with the rinsing activities from the previous owner. Exceedances in VOCs and Metals shown in TOGS 1.1.1; Article 17 of the Environmental Conservation Law and 6 NYCRR Parts 700-706, Water Quality Regulations.

A MiniRae 3000 PID meter was the organic vapor analyzer selected for the head space analysis. A PID utilizes the principle of photo ionization for detection and measurement of hydrocarbon compounds. For this investigation, the PID was calibrated to isobutylene span gas to yield total VOCs in parts per million by volume (ppmv) referenced to benzene. Hydrocarbon relative response factors for a PID calibrated to isobutylene are published by the manufacturer.

Updated & Revisited Sample Event March 2021



Sample Main Rinse Pit

PID-VOC readings; #1) Grab= 55ppm, #2) Grab= 78ppm, #3) 65ppm,

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C1005-01	PIT Sample COMP	Soil	03/18/2021	03/18/2021
21C1005-02	PIT VOC	Soil	03/18/2021	03/18/2021
21C1005-03	Outside Sample Comp	Soil	03/18/2021	03/18/2021
21C1005-04	Outside Sample VOC	Soil	03/18/2021	03/18/2021

Sample Main Rinse Pit (Main Drainage Pit).

The laboratory analysis performed on the soil samples detected VOCs in above the applicable Sub-Part 375 Unrestricted Used SCO. Samples were collected directly in the center of the rinse pit and 3ft south away from the rinse pit. PID readings and olfactory odors were evident. Between 1- 6ft, impacted soils were still evident.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C0084-01	B-9 0-6 FT	Soil	03/02/2021	03/02/2021
21C0084-02	B-9 0-6 VOC	Soil	03/02/2021	03/02/2021
21C0084-03	B-9 6-12 FT	Soil	03/02/2021	03/02/2021
21C0084-04	B-9 6-12 VOC	Soil	03/02/2021	03/02/2021

Outside Soil Sample: B-9 0-6ft & 6-12ft (All PID Readings ND)

Samples showed clean native soils below 6ft. Between 1- 3ft, historic fill was evident. Below this depth the soils were clean with ND PID readings.

Hydraulic Lift; B-7 and B-8; 0-6ft & 6-12ft

PID-VOC readings; #1) Grab= 22ppm, #2) Grab= 19ppm, #3) 17ppm,

The laboratory analysis performed on the soil samples showed now positive result above the applicable Sub-Part 375 Unrestricted Used SCO. However, PID readings and olfactory odors were evident. Between 1- 6ft, impacted soils containing historic fill were still evident.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C0089-01	B8 0-6 FT	Soil	03/02/2021	03/02/2021
21C0089-02	B8 0-6 VOC	Soil	03/02/2021	03/02/2021
21C0089-03	B-8-6-12 FT	Soil	03/02/2021	03/02/2021
21C0089-04	B-8-6-12 VOC	Soil	03/02/2021	03/02/2021
21C0089-05	B-7-0-6 FT	Soil	03/02/2021	03/02/2021
21C0089-06	B-7-0-6 FT VOC	Soil	03/02/2021	03/02/2021
21C0089-07	B-7-6-12 COMP	Soil	03/02/2021	03/02/2021
21C0089-08	B-7-6-12 VOC	Soil	03/02/2021	03/02/2021
21C0089-09	Trip Blank	Water	03/02/2021	03/02/2021

Directly Outside Spray Booth

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C0095-01	P&S 0-3 FT COMP	Soil	03/02/2021	03/02/2021
21C0095-02	P&S 0-3 FT VOC	Soil	03/02/2021	03/02/2021
21C0095-03	P&S 3-6 FT COMP	Soil	03/02/2021	03/02/2021
21C0095-04	P&S 3-6 FT VOC	Soil	03/02/2021	03/02/2021
21C0095-05	B&S 6-12 FT COMP	Soil	03/02/2021	03/02/2021
21C0095-06	B&S 6-12 FT VOC	Soil	03/02/2021	03/02/2021

Due to the nature of the rock and consistent refusal in the selected location outside of the spray booth we were not able to obtain adequate samples. Olfactory odors were present with positive PID readings between 47-92ppm respectively.

Air Samples

Two soil vapor samples were collected and one control ambient air sample respectively.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C0319-01	Sample 1	Air	03/01/2021	03/02/2021
21C0319-02	Sample 2	Air	03/01/2021	03/02/2021
21C0319-03	Sample 3	Air	03/01/2021	03/02/2021

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 excavator to boring 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.

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. The End Point sample consisted of 1 main grab from the Main Drainage Pit 10Ft pit location. 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 this Limited Subsurface Investigation and the Phase 2 Report that was conducted during 2020 and again in 2021 all Recognized Environmental Conditions (RECs) which were identified show petroleum contaminated soils, comingled with historic antiquated fill above the constituents published in Table 375-6.8(b): Restricted 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, due to not having the ability to get into the site with an excavator and dig throughout the site, it is very difficult to know the extent of the PC directional impacts and flow. We can conclude the some samples surrounding the spray booth and Rinse Pit showed strong moist soils consistent with cleaning thinners and petroleum which can be an indicator of free product, which was confirmed with a PID and the original tests from 2019 pre-clean out with Aarco.

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 April 27th 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: 05/30/2019
Client Project ID: Woodhaven Blvd Auto 87-15 68th Queens NY
York Project (SDG) No.: 19E0929

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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Report Date: 05/30/2019
Client Project ID: Woodhaven Blvd Auto 87-15 68th Queens NY
York Project (SDG) No.: 19E0929

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 May 20, 2019 and listed below. The project was identified as your project: **Woodhaven Blvd Auto 87-15 68th 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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
19E0929-01	B-5	Water	05/20/2019	05/20/2019
19E0929-02	B-2	Water	05/20/2019	05/20/2019

General Notes for York Project (SDG) No.: 19E0929

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: 

Date: 05/30/2019

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
95-63-6	**1,2,4-Trimethylbenzene**	**18**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
108-67-8	**1,3,5-Trimethylbenzene**	**20**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
123-91-1	1,4-Dioxane	ND		ug/L	80	80	2	EPA 8260C Certifications:	05/23/2019 18:03 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
78-93-3	2-Butanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP
591-78-6	2-Hexanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	05/24/2019 09:43	TMP

Sample Information

Client Sample ID: **B-5** **York Sample ID:** **19E0929-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	**Acetone**	**11**	CCV-E, B	ug/L	2.0	4.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	**Benzene**	**4.5**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	**Cyclohexane**	**12**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**30**		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.40	1.0	2	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:43	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

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
98-82-8	**Isopropylbenzene**	**2.6**		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**4.2**		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	2.0	4.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**3.1**		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**10**		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**24**		ug/L	1.0	2.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	1.0	2.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**8.2**		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		
79-01-6	Trichloroethylene	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.40	1.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**34**		ug/L	1.2	3.0	2	EPA 8260C	05/23/2019 18:03	05/24/2019 09:43	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

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
	Surrogate Recoveries	**Result**			**Acceptance Range**						
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.8 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.0 %*			*79-122*						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
105-67-9	**2,4-Dimethylphenol**	**3.04**	J	ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
91-57-6	**2-Methylnaphthalene**	**16.3**		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
95-48-7	2-Methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
83-32-9	**Acenaphthene**	**16.5**		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
208-96-8	Acenaphthylene	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
120-12-7	Anthracene	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
1912-24-9	Atrazine	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	NELAC-NY10854,NJDEP,PADEP		
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
56-55-3	Benzo(a)anthracene	ND		ug/L	2.56	5.13	1	EPA 8270D	05/23/2019 14:56	05/29/2019 18:17	KH
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
50-32-8	Benzo(a)pyrene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 NELAC-NY10854,NJDEP,PADEP	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 NELAC-NY10854,NJDEP,PADEP	KH
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	**Dibenzofuran**	**4.91**	J	ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	Fluoranthene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:17 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
67-72-1	Hexachloroethane	ND		ug/L	0.513	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
91-20-3	**Naphthalene**	**267**		ug/L	51.3	103	20	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 14:20	KH
98-95-3	Nitrobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
87-86-5	Pentachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
85-01-8	Phenanthrene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH
129-00-0	Pyrene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:17	KH

	Surrogate Recoveries	Result		Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*34.8 %*		*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*21.2 %*		*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*72.6 %*		*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*65.4 %*		*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*27.1 %*	S-08	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*67.4 %*		*30.7-106*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**1.20**		mg/L	0.500	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/24/2019 08:13	05/25/2019 01:17	CM

	Surrogate Recoveries	Result		Acceptance Range

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:** EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*42.9 %*			*40-140*					
84-15-1	*Surrogate: o-Terphenyl*	*44.3 %*			*40-140*					

Metals, Target Analyte

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**4140**		mg/L	0.500	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-36-0	Antimony	ND		mg/L	0.250	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-38-2	**Arsenic**	**0.228**		mg/L	0.150	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	**Barium**	**32.6**		mg/L	0.250	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-41-7	Beryllium	ND		mg/L	0.005	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	**Cadmium**	**0.091**		mg/L	0.030	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-70-2	**Calcium**	**5340**		mg/L	0.500	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	**Chromium**	**8.00**		mg/L	0.050	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-48-4	**Cobalt**	**3.05**		mg/L	0.040	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-50-8	**Copper**	**10.6**		mg/L	0.200	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-89-6	**Iron**	**8600**		mg/L	50.0	20	EPA 6010D	05/21/2019 18:46	05/24/2019 15:25	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	**Lead**	**2.45**		mg/L	0.050	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-95-4	**Magnesium**	**3090**		mg/L	0.500	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-96-5	**Manganese**	**194**		mg/L	0.050	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-02-0	**Nickel**	**6.56**		mg/L	0.100	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-09-7	**Potassium**	**950**		mg/L	0.500	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	Selenium	ND		mg/L	0.250	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-22-4	Silver	ND		mg/L	0.050	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Sample Information

Client Sample ID: B-5 **York Sample ID:** 19E0929-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-23-5	**Sodium**	**240**		mg/L	5.00	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/L	0.250	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**9.27**		mg/L	0.100	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**12.4**		mg/L	0.250	1	EPA 6010D	05/21/2019 18:46	05/22/2019 11:22	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

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/L	0.0200	10	EPA 7470	05/23/2019 15:14	05/23/2019 16:14	AA
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

pH

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
	*** pH**	**7.56**	HT-pH	pH units	0.500	1	SM 4500 H+B	05/20/2019 20:48	05/20/2019 21:44	MAC
							Certifications: CTDOH			

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/23/2019 18:03	05/24/2019 09:14	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/23/2019 18:03	05/24/2019 09:14	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	05/23/2019 18:03	05/24/2019 09:14	TMP
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	**1,3,5-Trimethylbenzene**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	**1,4-Dichlorobenzene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	**2-Butanone**	**5.3**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-10-1	**4-Methyl-2-pentanone**	**0.80**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	**Acetone**	**35**	CCV-E, B	ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	**Carbon disulfide**	**0.21**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	**Chlorobenzene**	**0.50**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	**Ethyl Benzene**	**1.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	**Isopropylbenzene**	**0.54**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	**Methyl tert-butyl ether (MTBE)**	**0.25**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-HDSP

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
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	**n-Propylbenzene**	**0.26**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	**o-Xylene**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	**p-Isopropyltoluene**	**0.59**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	**sec-Butylbenzene**	**0.24**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	**Tetrachloroethylene**	**0.24**	QL-02, J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	**Toluene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	**Xylenes, Total**	**3.6**		ug/L	0.60	1.5	1	EPA 8260C Certifications:	05/23/2019 18:03	05/24/2019 09:14	TMP CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.4 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*79-122*

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,PADEP	05/29/2019 18:47	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,PADEP	05/29/2019 18:47	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,PADEP	05/29/2019 18:47	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
91-58-7	2-Chloronaphthalene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
95-57-8	2-Chlorophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
91-57-6	**2-Methylnaphthalene**	**2.76**	J	ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
95-48-7	2-Methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
88-74-4	2-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
88-75-5	2-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
99-09-2	3-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
106-47-8	4-Chloroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
100-01-6	4-Nitroaniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
100-02-7	4-Nitrophenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
83-32-9	**Acenaphthene**	**0.370**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
208-96-8	Acenaphthylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
98-86-2	Acetophenone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
62-53-3	Aniline	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
120-12-7	**Anthracene**	**0.240**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
1912-24-9	Atrazine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
100-52-7	Benzaldehyde	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
92-87-5	Benzidine	ND		ug/L	10.0	20.0	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/30/2019 16:54	KH
65-85-0	Benzoic acid	ND		ug/L	25.0	50.0	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH
100-51-6	Benzyl alcohol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56 NELAC-NY10854,NJDEP,PADEP	05/29/2019 18:47	KH

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
206-44-0	**Fluoranthene**	**0.430**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	**Fluorene**	**0.530**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/L	0.0200	0.0200	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications:	05/23/2019 14:56	05/29/2019 18:47 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
91-20-3	**Naphthalene**	**1.30**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications:	05/23/2019 14:56	05/30/2019 16:54 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes:

Sample Notes: EXT-D, EXT-EM

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-95-3	Nitrobenzene	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 16:54	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.500	0.500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 16:54	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:47	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:47	KH
87-86-5	Pentachlorophenol	ND		ug/L	0.250	0.250	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 16:54	KH
85-01-8	**Phenanthrene**	**1.72**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 16:54	KH
108-95-2	Phenol	ND		ug/L	2.50	5.00	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/29/2019 18:47	KH
129-00-0	**Pyrene**	**0.260**		ug/L	0.0500	0.0500	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/23/2019 14:56	05/30/2019 16:54	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*40.7 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*23.9 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*75.8 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*67.6 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*44.4 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*63.4 %*	*30.7-106*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes: EXT-EM

Sample Prepared by Method: EPA SW846-3510C Low Level

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**0.271**		mg/L	0.100	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	05/24/2019 08:13	05/25/2019 01:46	CM

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*48.1 %*	*40-140*
84-15-1	*Surrogate: o-Terphenyl*	*49.7 %*	*40-140*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7429-90-5	**Aluminum**	**121**		mg/L	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	05/21/2019 18:46	05/22/2019 11:29	KML

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3015A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7440-36-0	Antimony	ND		mg/L	0.028	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-38-2	**Arsenic**	**0.021**		mg/L	0.017	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-39-3	**Barium**	**2.25**		mg/L	0.028	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-41-7	Beryllium	ND		mg/L	0.0006	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-43-9	**Cadmium**	**0.004**		mg/L	0.003	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-70-2	**Calcium**	**574**		mg/L	0.056	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-47-3	**Chromium**	**0.208**		mg/L	0.006	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-48-4	**Cobalt**	**0.124**		mg/L	0.004	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-50-8	**Copper**	**0.340**		mg/L	0.022	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7439-89-6	**Iron**	**215**		mg/L	5.56	20	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/24/2019 15:27	KML
7439-92-1	**Lead**	**0.072**		mg/L	0.006	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7439-95-4	**Magnesium**	**248**		mg/L	0.056	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7439-96-5	**Manganese**	**14.6**		mg/L	0.006	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-02-0	**Nickel**	**0.264**		mg/L	0.011	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-09-7	**Potassium**	**37.9**		mg/L	0.056	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7782-49-2	**Selenium**	**0.031**		mg/L	0.028	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-23-5	**Sodium**	**277**		mg/L	0.556	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-28-0	Thallium	ND		mg/L	0.028	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-62-2	**Vanadium**	**0.269**		mg/L	0.011	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML
7440-66-6	**Zinc**	**0.379**		mg/L	0.028	1	EPA 6010D Certifications:	05/21/2019 18:46 CTDOH,NELAC-NY10854,NJDEP,PADEP	05/22/2019 11:29	KML

Sample Information

Client Sample ID: B-2 **York Sample ID:** 19E0929-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
19E0929	Woodhaven Blvd Auto 87-15 68th Queens NY	Water	May 20, 2019 12:00 am	05/20/2019

Mercury by 7470/7471

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA SW846-7470

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/L	0.0200	10	EPA 7470	05/23/2019 15:14	05/23/2019 16:14	AA
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

pH

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
	*** pH**	**7.29**	HT-pH	pH units	0.500	1	SM 4500 H+B	05/20/2019 20:48	05/20/2019 21:44	MAC
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BE91232 **Preparation Method:** Analysis Preparation **Prepared By:** MAC

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/20/19
19E0929-02	B-2	05/20/19

Batch ID: BE91323 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/21/19
19E0929-01RE1	B-5	05/21/19
19E0929-02	B-2	05/21/19
19E0929-02RE1	B-2	05/21/19
BE91323-BLK1	Blank	05/21/19
BE91323-BS1	LCS	05/21/19
BE91323-DUP1	Duplicate	05/21/19
BE91323-MS1	Matrix Spike	05/21/19

Batch ID: BE91468 **Preparation Method:** EPA 3510C **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/23/19
19E0929-01RE1	B-5	05/23/19
19E0929-02	B-2	05/23/19
BE91468-BLK1	Blank	05/23/19
BE91468-BS1	LCS	05/23/19
BE91468-BSD1	LCS Dup	05/23/19

Batch ID: BE91476 **Preparation Method:** EPA SW846-7470 **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/23/19
19E0929-02	B-2	05/23/19
BE91476-BLK1	Blank	05/23/19
BE91476-BS1	LCS	05/23/19
BE91476-BS2	LCS	05/23/19

Batch ID: BE91497 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/23/19
19E0929-02	B-2	05/23/19
BE91497-BLK1	Blank	05/23/19
BE91497-BS1	LCS	05/23/19
BE91497-BSD1	LCS Dup	05/23/19

Batch ID: BE91510 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** CTD

YORK Sample ID	Client Sample ID	Preparation Date
19E0929-01	B-5	05/24/19
19E0929-02	B-2	05/24/19
BE91510-BLK1	Blank	05/24/19
BE91510-BS1	LCS	05/24/19
BE91510-BSD1	LCS Dup	05/24/19

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 BE91497 - EPA 5030B											
Blank (BE91497-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	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	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	3.1	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Prepared: 05/23/2019 Analyzed: 05/24/2019

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 BE91497 - EPA 5030B											
Blank (BE91497-BLK1)								Prepared: 05/23/2019 Analyzed: 05/24/2019			
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.53*		*"*	*10.0*		*95.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				
LCS (BE91497-BS1)								Prepared & Analyzed: 05/23/2019			
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		97.4	82-126				
1,1,1-Trichloroethane	12		"	10.0		123	78-136				
1,1,2,2-Tetrachloroethane	9.5		"	10.0		94.9	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.1		"	10.0		91.4	82-123				
1,1-Dichloroethane	11		"	10.0		108	82-129				
1,1-Dichloroethylene	11		"	10.0		108	68-138				
1,2,3-Trichlorobenzene	6.9		"	10.0		69.4	76-136	Low Bias			
1,2,3-Trichloropropane	11		"	10.0		105	77-128				
1,2,4-Trichlorobenzene	8.3		"	10.0		82.8	76-137				
1,2,4-Trimethylbenzene	9.6		"	10.0		95.6	82-132				
1,2-Dibromo-3-chloropropane	9.2		"	10.0		92.4	45-147				
1,2-Dibromoethane	10		"	10.0		101	83-124				
1,2-Dichlorobenzene	9.4		"	10.0		94.3	79-123				
1,2-Dichloroethane	12		"	10.0		116	73-132				
1,2-Dichloropropane	9.0		"	10.0		89.5	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		107	80-131				
1,3-Dichlorobenzene	9.3		"	10.0		93.1	86-122				
1,4-Dichlorobenzene	9.5		"	10.0		94.9	85-124				
1,4-Dioxane	210		"	210		101	10-349				
2-Butanone	11		"	10.0		114	49-152				
2-Hexanone	10		"	10.0		99.9	51-146				
4-Methyl-2-pentanone	9.5		"	10.0		94.9	57-145				
Acetone	15		"	10.0		146	14-150				
Acrolein	5.6		"	10.0		55.7	10-153				
Acrylonitrile	10		"	10.0		103	51-150				

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 BE91497 - EPA 5030B											
LCS (BE91497-BS1)								Prepared & Analyzed: 05/23/2019			
Benzene	11		ug/L	10.0		108	85-126				
Bromochloromethane	10		"	10.0		104	77-128				
Bromodichloromethane	9.9		"	10.0		98.8	79-128				
Bromoform	10		"	10.0		103	78-133				
Bromomethane	6.5		"	10.0		64.6	43-168				
Carbon disulfide	10		"	10.0		102	68-146				
Carbon tetrachloride	9.5		"	10.0		95.1	77-141				
Chlorobenzene	9.8		"	10.0		97.8	88-120				
Chloroethane	13		"	10.0		132	65-136				
Chloroform	11		"	10.0		112	82-128				
Chloromethane	16		"	10.0		162	43-155	High Bias			
cis-1,2-Dichloroethylene	11		"	10.0		108	83-129				
cis-1,3-Dichloropropylene	9.4		"	10.0		93.6	80-131				
Cyclohexane	8.2		"	10.0		81.9	63-149				
Dibromochloromethane	9.9		"	10.0		99.4	80-130				
Dibromomethane	10		"	10.0		101	72-134				
Dichlorodifluoromethane	19		"	10.0		193	44-144	High Bias			
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	9.0		"	10.0		89.5	67-146				
Isopropylbenzene	9.3		"	10.0		93.4	76-140				
Methyl acetate	10		"	10.0		100	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		113	76-135				
Methylcyclohexane	9.8		"	10.0		98.5	72-143				
Methylene chloride	11		"	10.0		113	55-137				
n-Butylbenzene	9.9		"	10.0		99.1	79-132				
n-Propylbenzene	9.4		"	10.0		94.3	78-133				
o-Xylene	10		"	10.0		101	78-130				
p- & m- Xylenes	20		"	20.0		102	77-133				
p-Isopropyltoluene	9.8		"	10.0		98.5	81-136				
sec-Butylbenzene	10		"	10.0		101	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	26		"	50.0		51.4	25-162				
tert-Butylbenzene	9.9		"	10.0		98.7	77-138				
Tetrachloroethylene	8.3		"	10.0		82.7	82-131				
Toluene	9.4		"	10.0		94.2	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	8.9		"	10.0		89.3	78-131				
trans-1,4-dichloro-2-butene	8.6		"	10.0		86.3	63-141				
Trichloroethylene	9.6		"	10.0		95.7	82-128				
Trichlorofluoromethane	12		"	10.0		123	67-139				
Vinyl Chloride	13		"	10.0		135	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.7*		*"*	*10.0*		*107*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.38*		*"*	*10.0*		*93.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

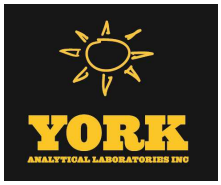
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE91497 - EPA 5030B											
LCS Dup (BE91497-BSD1)								Prepared: 05/23/2019 Analyzed: 05/24/2019			
1,1,1,2-Tetrachloroethane	9.1		ug/L	10.0		91.0	82-126		6.79	30	
1,1,1-Trichloroethane	11		"	10.0		107	78-136		13.4	30	
1,1,2,2-Tetrachloroethane	9.0		"	10.0		90.1	76-129		5.19	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		108	54-165		7.20	30	
1,1,2-Trichloroethane	8.5		"	10.0		84.6	82-123		7.73	30	
1,1-Dichloroethane	9.8		"	10.0		98.3	82-129		9.86	30	
1,1-Dichloroethylene	10		"	10.0		99.5	68-138		8.65	30	
1,2,3-Trichlorobenzene	5.9		"	10.0		58.9	76-136	Low Bias	16.4	30	
1,2,3-Trichloropropane	9.6		"	10.0		95.9	77-128		9.44	30	
1,2,4-Trichlorobenzene	7.0		"	10.0		70.3	76-137	Low Bias	16.3	30	
1,2,4-Trimethylbenzene	9.2		"	10.0		91.5	82-132		4.38	30	
1,2-Dibromo-3-chloropropane	7.0		"	10.0		70.1	45-147		27.4	30	
1,2-Dibromoethane	9.4		"	10.0		94.3	83-124		6.76	30	
1,2-Dichlorobenzene	8.7		"	10.0		86.7	79-123		8.40	30	
1,2-Dichloroethane	11		"	10.0		108	73-132		6.96	30	
1,2-Dichloropropane	8.4		"	10.0		83.7	78-126		6.70	30	
1,3,5-Trimethylbenzene	10		"	10.0		99.9	80-131		7.24	30	
1,3-Dichlorobenzene	8.8		"	10.0		88.4	86-122		5.18	30	
1,4-Dichlorobenzene	8.8		"	10.0		88.2	85-124		7.32	30	
1,4-Dioxane	180		"	210		83.4	10-349		19.4	30	
2-Butanone	12		"	10.0		123	49-152		7.92	30	
2-Hexanone	8.9		"	10.0		88.8	51-146		11.8	30	
4-Methyl-2-pentanone	8.7		"	10.0		86.6	57-145		9.15	30	
Acetone	14		"	10.0		138	14-150		5.77	30	
Acrolein	5.2		"	10.0		52.4	10-153		6.11	30	
Acrylonitrile	9.4		"	10.0		93.8	51-150		9.35	30	
Benzene	10		"	10.0		101	85-126		6.52	30	
Bromochloromethane	10		"	10.0		99.9	77-128		4.21	30	
Bromodichloromethane	9.0		"	10.0		90.2	79-128		9.10	30	
Bromoform	9.2		"	10.0		92.4	78-133		10.8	30	
Bromomethane	6.9		"	10.0		69.1	43-168		6.73	30	
Carbon disulfide	9.3		"	10.0		92.6	68-146		10.1	30	
Carbon tetrachloride	8.2		"	10.0		81.8	77-141		15.0	30	
Chlorobenzene	9.4		"	10.0		93.7	88-120		4.28	30	
Chloroethane	13		"	10.0		126	65-136		4.82	30	
Chloroform	10		"	10.0		104	82-128		8.14	30	
Chloromethane	15		"	10.0		154	43-155		5.31	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		98.1	83-129		9.70	30	
cis-1,3-Dichloropropylene	8.7		"	10.0		87.2	80-131		7.08	30	
Cyclohexane	7.7		"	10.0		77.1	63-149		6.04	30	
Dibromochloromethane	9.1		"	10.0		90.9	80-130		8.93	30	
Dibromomethane	9.1		"	10.0		91.4	72-134		10.1	30	
Dichlorodifluoromethane	18		"	10.0		176	44-144	High Bias	9.14	30	
Ethyl Benzene	9.4		"	10.0		94.3	80-131		6.17	30	
Hexachlorobutadiene	8.5		"	10.0		84.9	67-146		5.28	30	
Isopropylbenzene	8.9		"	10.0		88.9	76-140		4.94	30	
Methyl acetate	8.9		"	10.0		89.2	51-139		11.7	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		105	76-135		7.71	30	
Methylcyclohexane	9.3		"	10.0		93.3	72-143		5.42	30	
Methylene chloride	10		"	10.0		102	55-137		10.7	30	

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 BE91497 - EPA 5030B											
LCS Dup (BE91497-BSD1)									Prepared: 05/23/2019 Analyzed: 05/24/2019		
n-Butylbenzene	9.4		ug/L	10.0		94.2	79-132		5.07	30	
n-Propylbenzene	8.8		"	10.0		87.6	78-133		7.37	30	
o-Xylene	9.6		"	10.0		95.8	78-130		4.89	30	
p- & m- Xylenes	19		"	20.0		96.2	77-133		6.14	30	
p-Isopropyltoluene	9.2		"	10.0		92.1	81-136		6.72	30	
sec-Butylbenzene	9.7		"	10.0		96.6	79-137		4.55	30	
Styrene	9.2		"	10.0		92.3	67-132		9.00	30	
tert-Butyl alcohol (TBA)	23		"	50.0		45.8	25-162		11.4	30	
tert-Butylbenzene	9.1		"	10.0		90.9	77-138		8.23	30	
Tetrachloroethylene	7.9		"	10.0		79.1	82-131	Low Bias	4.45	30	
Toluene	9.0		"	10.0		90.0	80-127		4.56	30	
trans-1,2-Dichloroethylene	9.8		"	10.0		97.9	80-132		9.25	30	
trans-1,3-Dichloropropylene	8.1		"	10.0		81.2	78-131		9.50	30	
trans-1,4-dichloro-2-butene	8.1		"	10.0		81.1	63-141		6.21	30	
Trichloroethylene	8.8		"	10.0		88.2	82-128		8.16	30	
Trichlorofluoromethane	11		"	10.0		110	67-139		10.8	30	
Vinyl Chloride	12		"	10.0		123	58-145		9.16	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.3*		*"*	*10.0*		*103*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.44*		*"*	*10.0*		*94.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.70*		*"*	*10.0*		*97.0*	*79-122*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

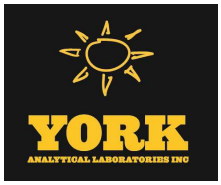
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE91468 - EPA 3510C											
Blank (BE91468-BLK1)											
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								

Prepared: 05/23/2019 Analyzed: 05/29/2019

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
Batch BE91468 - EPA 3510C											
Blank (BE91468-BLK1)											
Prepared: 05/23/2019 Analyzed: 05/29/2019											
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	*14.7*		"	*50.0*		*29.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*7.70*		"	*50.0*		*15.4*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.7*		"	*25.0*		*54.9*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*13.4*		"	*25.0*		*53.7*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*30.9*		"	*50.0*		*61.8*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*15.8*		"	*25.0*		*63.3*	*30.7-106*				



Semivolatile Organic Compounds by GC/MS - Quality Control Data

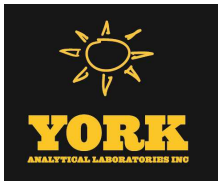
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE91468 - EPA 3510C											
LCS (BE91468-BS1)								Prepared: 05/23/2019 Analyzed: 05/29/2019			
1,1-Biphenyl	15.5	5.00	ug/L	25.0		61.9	21-102				
1,2,4,5-Tetrachlorobenzene	24.0	5.00	"	25.0		95.8	28-105				
1,2,4-Trichlorobenzene	18.0	5.00	"	25.0		72.1	35-91				
1,2-Dichlorobenzene	17.1	5.00	"	25.0		68.6	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	18.7	5.00	"	25.0		74.8	16-137				
1,3-Dichlorobenzene	16.8	5.00	"	25.0		67.0	45-80				
1,4-Dichlorobenzene	17.3	5.00	"	25.0		69.3	42-82				
2,3,4,6-Tetrachlorophenol	38.9	5.00	"	25.0		156	30-130	High Bias			
2,4,5-Trichlorophenol	14.9	5.00	"	25.0		59.8	36-112				
2,4,6-Trichlorophenol	17.1	5.00	"	25.0		68.4	41-107				
2,4-Dichlorophenol	20.5	5.00	"	25.0		81.9	43-92				
2,4-Dimethylphenol	18.6	5.00	"	25.0		74.4	25-92				
2,4-Dinitrophenol	16.0	5.00	"	25.0		64.0	10-149				
2,4-Dinitrotoluene	16.9	5.00	"	25.0		67.7	41-114				
2,6-Dinitrotoluene	17.8	5.00	"	25.0		71.2	49-106				
2-Chloronaphthalene	16.1	5.00	"	25.0		64.4	40-96				
2-Chlorophenol	16.6	5.00	"	25.0		66.5	35-84				
2-Methylnaphthalene	20.6	5.00	"	25.0		82.5	33-101				
2-Methylphenol	12.8	5.00	"	25.0		51.1	10-90				
2-Nitroaniline	17.4	5.00	"	25.0		69.7	31-122				
2-Nitrophenol	19.3	5.00	"	25.0		77.2	37-97				
3- & 4-Methylphenols	9.78	5.00	"	25.0		39.1	10-101				
3,3-Dichlorobenzidine	22.9	5.00	"	25.0		91.8	25-155				
3-Nitroaniline	34.1	5.00	"	25.0		136	29-128	High Bias			
4,6-Dinitro-2-methylphenol	20.5	5.00	"	25.0		82.0	10-135				
4-Bromophenyl phenyl ether	19.4	5.00	"	25.0		77.6	38-116				
4-Chloro-3-methylphenol	19.4	5.00	"	25.0		77.8	28-101				
4-Chloroaniline	15.5	5.00	"	25.0		62.1	10-154				
4-Chlorophenyl phenyl ether	17.5	5.00	"	25.0		70.0	34-112				
4-Nitroaniline	26.4	5.00	"	25.0		106	15-143				
4-Nitrophenol	8.57	5.00	"	25.0		34.3	10-112				
Acenaphthene	16.5	0.0500	"	25.0		66.2	24-114				
Acenaphthylene	16.5	0.0500	"	25.0		66.1	26-112				
Acetophenone	17.2	5.00	"	25.0		68.8	47-92				
Aniline	10.8	5.00	"	25.0		43.0	10-107				
Anthracene	20.0	0.0500	"	25.0		80.0	35-114				
Atrazine	24.9	0.500	"	25.0		99.6	43-101				
Benzaldehyde	23.4	5.00	"	25.0		93.7	17-117				
Benzo(a)anthracene	20.6	0.0500	"	25.0		82.3	38-127				
Benzo(a)pyrene	22.5	0.0500	"	25.0		90.0	30-146				
Benzo(b)fluoranthene	21.7	0.0500	"	25.0		87.0	36-145				
Benzo(g,h,i)perylene	21.8	0.0500	"	25.0		87.2	10-163				
Benzo(k)fluoranthene	21.9	0.0500	"	25.0		87.5	16-149				
Benzoic acid	ND	50.0	"	28.5			30-130	Low Bias			
Benzyl alcohol	12.5	5.00	"	25.0		50.0	18-75				
Benzyl butyl phthalate	21.9	5.00	"	25.0		87.7	28-129				
Bis(2-chloroethoxy)methane	20.8	5.00	"	25.0		83.2	27-112				
Bis(2-chloroethyl)ether	16.1	5.00	"	25.0		64.3	24-114				
Bis(2-chloroisopropyl)ether	20.3	5.00	"	25.0		81.2	21-124				
Bis(2-ethylhexyl)phthalate	21.5	0.500	"	25.0		86.0	10-171				
Caprolactam	3.61	5.00	"	25.0		14.4	10-29				

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
Batch BE91468 - EPA 3510C											
LCS (BE91468-BS1)								Prepared: 05/23/2019 Analyzed: 05/29/2019			
Carbazole	55.8	5.00	ug/L	25.0		223	49-116	High Bias			
Chrysene	20.6	0.0500	"	25.0		82.2	33-120				
Dibenzo(a,h)anthracene	21.8	0.0500	"	25.0		87.4	10-149				
Dibenzofuran	17.6	5.00	"	25.0		70.3	42-105				
Diethyl phthalate	17.5	5.00	"	25.0		69.9	38-112				
Dimethyl phthalate	16.6	5.00	"	25.0		66.3	49-106				
Di-n-butyl phthalate	20.7	5.00	"	25.0		82.9	36-110				
Di-n-octyl phthalate	21.4	5.00	"	25.0		85.7	12-149				
Fluoranthene	21.8	0.0500	"	25.0		87.2	33-126				
Fluorene	17.8	0.0500	"	25.0		71.1	28-117				
Hexachlorobenzene	20.5	0.0200	"	25.0		82.1	27-120				
Hexachlorobutadiene	18.4	0.500	"	25.0		73.6	25-106				
Hexachlorocyclopentadiene	20.6	5.00	"	25.0		82.4	10-99				
Hexachloroethane	17.6	0.500	"	25.0		70.3	33-84				
Indeno(1,2,3-cd)pyrene	21.0	0.0500	"	25.0		84.1	10-150				
Isophorone	21.1	5.00	"	25.0		84.3	29-115				
Naphthalene	19.3	0.0500	"	25.0		77.1	30-99				
Nitrobenzene	18.8	0.250	"	25.0		75.2	32-113				
N-Nitrosodimethylamine	6.88	0.500	"	25.0		27.5	10-63				
N-nitroso-di-n-propylamine	17.7	5.00	"	25.0		70.7	36-118				
N-Nitrosodiphenylamine	27.3	5.00	"	25.0		109	27-145				
Pentachlorophenol	19.4	0.250	"	25.0		77.6	19-127				
Phenanthrene	20.0	0.0500	"	25.0		80.0	31-112				
Phenol	6.07	5.00	"	25.0		24.3	10-37				
Pyrene	21.1	0.0500	"	25.0		84.4	42-125				
Surrogate: SURR: 2-Fluorophenol	*19.7*		"	*50.0*		*39.3*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.3*		"	*50.0*		*20.6*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*17.7*		"	*25.0*		*70.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*15.9*		"	*25.0*		*63.5*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*41.6*		"	*50.0*		*83.2*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*20.3*		"	*25.0*		*81.2*	*30.7-106*				



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
Batch BE91468 - EPA 3510C											
LCS Dup (BE91468-BSD1)								Prepared: 05/23/2019 Analyzed: 05/29/2019			
1,1-Biphenyl	12.7	5.00	ug/L	25.0		50.6	21-102		20.0	20	
1,2,4,5-Tetrachlorobenzene	19.1	5.00	"	25.0		76.5	28-105		22.4	20	Non-dir.
1,2,4-Trichlorobenzene	13.7	5.00	"	25.0		54.9	35-91		27.1	20	Non-dir.
1,2-Dichlorobenzene	12.8	5.00	"	25.0		51.2	42-85		29.1	20	Non-dir.
1,2-Diphenylhydrazine (as Azobenzene)	14.3	5.00	"	25.0		57.1	16-137		26.8	20	Non-dir.
1,3-Dichlorobenzene	12.7	5.00	"	25.0		50.8	45-80		27.6	20	Non-dir.
1,4-Dichlorobenzene	13.6	5.00	"	25.0		54.3	42-82		24.3	20	Non-dir.
2,3,4,6-Tetrachlorophenol	31.4	5.00	"	25.0		126	30-130		21.2	20	Non-dir.
2,4,5-Trichlorophenol	12.6	5.00	"	25.0		50.2	36-112		17.4	20	
2,4,6-Trichlorophenol	13.8	5.00	"	25.0		55.1	41-107		21.6	20	Non-dir.
2,4-Dichlorophenol	14.8	5.00	"	25.0		59.4	43-92		31.9	20	Non-dir.
2,4-Dimethylphenol	15.2	5.00	"	25.0		60.8	25-92		20.1	20	Non-dir.
2,4-Dinitrophenol	11.3	5.00	"	25.0		45.4	10-149		34.1	20	Non-dir.
2,4-Dinitrotoluene	15.3	5.00	"	25.0		61.0	41-114		10.4	20	
2,6-Dinitrotoluene	14.7	5.00	"	25.0		58.8	49-106		19.0	20	
2-Chloronaphthalene	13.4	5.00	"	25.0		53.6	40-96		18.2	20	
2-Chlorophenol	12.7	5.00	"	25.0		50.8	35-84		26.7	20	Non-dir.
2-Methylnaphthalene	15.2	5.00	"	25.0		60.8	33-101		30.2	20	Non-dir.
2-Methylphenol	10.4	5.00	"	25.0		41.5	10-90		20.8	20	Non-dir.
2-Nitroaniline	14.6	5.00	"	25.0		58.6	31-122		17.3	20	
2-Nitrophenol	14.5	5.00	"	25.0		58.1	37-97		28.2	20	Non-dir.
3- & 4-Methylphenols	8.46	5.00	"	25.0		33.8	10-101		14.5	20	
3,3-Dichlorobenzidine	19.7	5.00	"	25.0		78.7	25-155		15.3	20	
3-Nitroaniline	29.8	5.00	"	25.0		119	29-128		13.5	20	
4,6-Dinitro-2-methylphenol	15.0	5.00	"	25.0		60.0	10-135		30.9	20	Non-dir.
4-Bromophenyl phenyl ether	16.2	5.00	"	25.0		64.8	38-116		18.0	20	
4-Chloro-3-methylphenol	14.5	5.00	"	25.0		58.1	28-101		28.9	20	Non-dir.
4-Chloroaniline	14.7	5.00	"	25.0		58.7	10-154		5.56	20	
4-Chlorophenyl phenyl ether	14.3	5.00	"	25.0		57.2	34-112		20.2	20	Non-dir.
4-Nitroaniline	23.5	5.00	"	25.0		94.1	15-143		11.7	20	
4-Nitrophenol	7.17	5.00	"	25.0		28.7	10-112		17.8	20	
Acenaphthene	13.6	0.0500	"	25.0		54.2	24-114		19.9	20	
Acenaphthylene	13.8	0.0500	"	25.0		55.4	26-112		17.7	20	
Acetophenone	13.6	5.00	"	25.0		54.6	47-92		23.1	20	Non-dir.
Aniline	9.90	5.00	"	25.0		39.6	10-107		8.33	20	
Anthracene	16.0	0.0500	"	25.0		64.1	35-114		22.1	20	Non-dir.
Atrazine	19.7	0.500	"	25.0		78.8	43-101		23.3	20	Non-dir.
Benzaldehyde	17.4	5.00	"	25.0		69.5	17-117		29.7	20	Non-dir.
Benzo(a)anthracene	17.6	0.0500	"	25.0		70.2	38-127		15.8	20	
Benzo(a)pyrene	18.9	0.0500	"	25.0		75.5	30-146		17.5	20	
Benzo(b)fluoranthene	17.4	0.0500	"	25.0		69.8	36-145		21.9	20	Non-dir.
Benzo(g,h,i)perylene	18.5	0.0500	"	25.0		73.9	10-163		16.4	20	
Benzo(k)fluoranthene	18.2	0.0500	"	25.0		73.0	16-149		18.1	20	
Benzoic acid	ND	50.0	"	28.5			30-130	Low Bias		20	
Benzyl alcohol	10.1	5.00	"	25.0		40.2	18-75		21.6	20	Non-dir.
Benzyl butyl phthalate	18.1	5.00	"	25.0		72.5	28-129		19.0	20	
Bis(2-chloroethoxy)methane	15.3	5.00	"	25.0		61.1	27-112		30.6	20	Non-dir.
Bis(2-chloroethyl)ether	13.0	5.00	"	25.0		52.2	24-114		20.8	20	Non-dir.
Bis(2-chloroisopropyl)ether	16.4	5.00	"	25.0		65.7	21-124		21.1	20	Non-dir.
Bis(2-ethylhexyl)phthalate	18.4	0.500	"	25.0		73.6	10-171		15.5	20	
Caprolactam	2.90	5.00	"	25.0		11.6	10-29		21.8	20	Non-dir.

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
Batch BE91468 - EPA 3510C											
LCS Dup (BE91468-BSD1)								Prepared: 05/23/2019 Analyzed: 05/29/2019			
Carbazole	41.1	5.00	ug/L	25.0		164	49-116	High Bias	30.4	20	Non-dir.
Chrysene	16.3	0.0500	"	25.0		65.2	33-120		23.1	20	Non-dir.
Dibenzo(a,h)anthracene	18.4	0.0500	"	25.0		73.8	10-149		16.9	20	
Dibenzofuran	13.7	5.00	"	25.0		54.8	42-105		24.7	20	Non-dir.
Diethyl phthalate	14.6	5.00	"	25.0		58.4	38-112		17.9	20	
Dimethyl phthalate	14.5	5.00	"	25.0		57.9	49-106		13.5	20	
Di-n-butyl phthalate	16.8	5.00	"	25.0		67.2	36-110		20.9	20	Non-dir.
Di-n-octyl phthalate	17.4	5.00	"	25.0		69.4	12-149		21.0	20	Non-dir.
Fluoranthene	17.2	0.0500	"	25.0		69.0	33-126		23.3	20	Non-dir.
Fluorene	14.6	0.0500	"	25.0		58.2	28-117		20.0	20	
Hexachlorobenzene	14.7	0.0200	"	25.0		58.6	27-120		33.3	20	Non-dir.
Hexachlorobutadiene	14.0	0.500	"	25.0		56.0	25-106		27.1	20	Non-dir.
Hexachlorocyclopentadiene	15.6	5.00	"	25.0		62.3	10-99		27.7	20	Non-dir.
Hexachloroethane	13.4	0.500	"	25.0		53.4	33-84		27.3	20	Non-dir.
Indeno(1,2,3-cd)pyrene	18.3	0.0500	"	25.0		73.4	10-150		13.6	20	
Isophorone	15.3	5.00	"	25.0		61.3	29-115		31.6	20	Non-dir.
Naphthalene	14.5	0.0500	"	25.0		58.1	30-99		28.1	20	Non-dir.
Nitrobenzene	14.9	0.250	"	25.0		59.6	32-113		23.3	20	Non-dir.
N-Nitrosodimethylamine	5.46	0.500	"	25.0		21.8	10-63		23.0	20	Non-dir.
N-nitroso-di-n-propylamine	14.1	5.00	"	25.0		56.2	36-118		22.8	20	Non-dir.
N-Nitrosodiphenylamine	21.4	5.00	"	25.0		85.6	27-145		24.2	20	Non-dir.
Pentachlorophenol	14.7	0.250	"	25.0		58.8	19-127		27.6	20	Non-dir.
Phenanthrene	16.6	0.0500	"	25.0		66.4	31-112		18.5	20	
Phenol	5.39	5.00	"	25.0		21.6	10-37		11.9	20	
Pyrene	17.8	0.0500	"	25.0		71.4	42-125		16.7	20	
Surrogate: SURR: 2-Fluorophenol	*14.6*		"	*50.0*		*29.2*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*8.72*		"	*50.0*		*17.4*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*13.6*		"	*25.0*		*54.3*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*13.2*		"	*25.0*		*52.8*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*32.9*		"	*50.0*		*65.8*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*17.2*		"	*25.0*		*68.8*	*30.7-106*				

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
Batch BE91510 - EPA SW846-3510C Low Level											
Blank (BE91510-BLK1)								Prepared & Analyzed: 05/24/2019			
Total EPH	ND	0.100	mg/L								
Surrogate: 1-Chlorooctadecane	*0.0524*		*"*	*0.100*		*52.4*	*40-140*				
Surrogate: o-Terphenyl	*0.0516*		*"*	*0.100*		*51.6*	*40-140*				
LCS (BE91510-BS1)								Prepared: 05/24/2019 Analyzed: 05/25/2019			
Total EPH	2.19	0.100	mg/L	3.60		60.9	40-140				
Surrogate: 1-Chlorooctadecane	*0.0622*		*"*	*0.100*		*62.2*	*40-140*				
Surrogate: o-Terphenyl	*0.0626*		*"*	*0.100*		*62.6*	*40-140*				
LCS Dup (BE91510-BSD1)								Prepared: 05/24/2019 Analyzed: 05/25/2019			
Total EPH	2.20	0.100	mg/L	3.60		61.0	40-140		0.187	30	
Surrogate: 1-Chlorooctadecane	*0.0643*		*"*	*0.100*		*64.3*	*40-140*				
Surrogate: o-Terphenyl	*0.0641*		*"*	*0.100*		*64.1*	*40-140*				

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
Batch BE91323 - EPA 3015A											
Blank (BE91323-BLK1)											Prepared: 05/21/2019 Analyzed: 05/22/2019
Aluminum	ND	0.056	mg/L								
Antimony	ND	0.028	"								
Arsenic	ND	0.017	"								
Barium	ND	0.028	"								
Beryllium	ND	0.0006	"								
Cadmium	ND	0.003	"								
Calcium	ND	0.056	"								
Chromium	ND	0.006	"								
Cobalt	ND	0.004	"								
Copper	ND	0.022	"								
Iron	ND	0.278	"								
Lead	ND	0.006	"								
Magnesium	ND	0.056	"								
Manganese	ND	0.006	"								
Nickel	ND	0.011	"								
Potassium	ND	0.056	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
Sodium	ND	0.556	"								
Thallium	ND	0.028	"								
Vanadium	ND	0.011	"								
Zinc	ND	0.028	"								
LCS (BE91323-BS1)											Prepared: 05/21/2019 Analyzed: 05/22/2019
Aluminum	1.96		ug/mL	2.00		98.0	80-120				
Antimony	0.241		"	0.250		96.3	80-120				
Arsenic	1.83		"	2.00		91.4	80-120				
Barium	2.01		"	2.00		100	80-120				
Beryllium	0.048		"	0.0500		96.8	80-120				
Cadmium	0.049		"	0.0500		98.1	80-120				
Calcium	1.04		"	1.00		104	80-120				
Chromium	0.193		"	0.200		96.6	80-120				
Cobalt	0.504		"	0.500		101	80-120				
Copper	0.241		"	0.250		96.3	80-120				
Iron	1.00		"	1.00		100	80-120				
Lead	0.490		"	0.500		97.9	80-120				
Magnesium	0.955		"	1.00		95.5	80-120				
Manganese	0.503		"	0.500		101	80-120				
Nickel	0.489		"	0.500		97.8	80-120				
Potassium	0.865		"	1.00		86.5	80-120				
Selenium	1.65		"	2.00		82.3	80-120				
Silver	0.046		"	0.0500		92.9	80-120				
Sodium	0.982		"	1.00		98.2	80-120				
Thallium	1.99		"	2.00		99.7	80-120				
Vanadium	0.485		"	0.500		96.9	80-120				
Zinc	0.489		"	0.500		97.8	80-120				

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
Batch BE91323 - EPA 3015A											
Duplicate (BE91323-DUP1)	*Source sample: 19E0929-02 (B-2)								Prepared: 05/21/2019 Analyzed: 05/22/2019		
Aluminum	162	0.056	mg/L		121				29.0	20	Non-dir.
Antimony	ND	0.028	"		ND					20	
Arsenic	0.018	0.017	"		0.021				13.5	20	
Barium	2.56	0.028	"		2.25				12.7	20	
Beryllium	ND	0.0006	"		ND					20	
Cadmium	0.004	0.003	"		0.004				17.4	20	
Calcium	594	0.056	"		574				3.52	20	
Chromium	0.269	0.006	"		0.208				25.5	20	Non-dir.
Cobalt	0.142	0.004	"		0.124				13.7	20	
Copper	0.383	0.022	"		0.340				12.1	20	
Lead	0.082	0.006	"		0.072				13.9	20	
Magnesium	267	0.056	"		248				7.36	20	
Manganese	16.4	0.006	"		14.6				11.8	20	
Nickel	0.311	0.011	"		0.264				16.2	20	
Potassium	49.7	0.056	"		37.9				26.8	20	Non-dir.
Selenium	ND	0.028	"		0.031					20	
Silver	ND	0.006	"		ND					20	
Sodium	280	0.556	"		277				0.929	20	
Thallium	ND	0.028	"		ND					20	
Vanadium	0.327	0.011	"		0.269				19.5	20	
Zinc	0.434	0.028	"		0.379				13.6	20	
Matrix Spike (BE91323-MS1)	*Source sample: 19E0929-02 (B-2)								Prepared: 05/21/2019 Analyzed: 05/22/2019		
Antimony	0.164	0.028	mg/L	0.278	ND	58.9	75-125	Low Bias			
Arsenic	2.06	0.017	"	2.22	0.021	91.8	75-125				
Barium	4.59	0.028	"	2.22	2.25	105	75-125				
Beryllium	0.046	0.0006	"	0.0556	ND	83.4	75-125				
Cadmium	0.054	0.003	"	0.0556	0.004	90.6	75-125				
Chromium	0.460	0.006	"	0.222	0.208	114	75-125				
Cobalt	0.646	0.004	"	0.556	0.124	93.9	75-125				
Copper	0.653	0.022	"	0.278	0.340	113	75-125				
Iron	198	0.278	"	1.11	164	NR	75-125	High Bias			
Lead	0.574	0.006	"	0.556	0.072	90.4	75-125				
Manganese	16.6	0.006	"	0.556	14.6	351	75-125	High Bias			
Nickel	0.846	0.011	"	0.556	0.264	105	75-125				
Selenium	1.83	0.028	"	2.22	0.031	80.9	75-125				
Silver	ND	0.006	"	0.0556	ND		75-125	Low Bias			
Thallium	1.87	0.028	"	2.22	ND	84.3	75-125				
Vanadium	0.843	0.011	"	0.556	0.269	103	75-125				
Zinc	0.929	0.028	"	0.556	0.379	99.0	75-125				

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	RPD Limit	Flag
Batch BE91476 - EPA SW846-7470											
Blank (BE91476-BLK1)								Prepared & Analyzed: 05/23/2019			
Mercury	ND	0.0002	mg/L								
LCS (BE91476-BS1)								Prepared & Analyzed: 05/23/2019			
Mercury	0.002085	0.0002	mg/L	0.00200		104	80-120				
LCS (BE91476-BS2)								Prepared & Analyzed: 05/23/2019			
Mercury	0.002241	0.0002	mg/L	0.00200		112	80-120				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
19E0929-01	B-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
19E0929-02	B-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

VOA-HDSP	Sample aliquot taken from VOA vial with headspace (air bubble greater than 6 mm diameter).-NON-COMPLIANT
S-08	The recovery of this surrogate was outside of QC limits.
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.
M-SRD1	The serial dilution for this element was outside control limits.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-DUPS	The RPD between the native sample and the duplicate is outside of limits due to sample non-homogeneity
M-CRL	The RL check for this element recovered outside of control limits.
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.
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
EXT-EM	The sample exhibited emulsion formation during the extraction process. This may affect surrogate recoveries.
EXT-D	The sample submitted contained sediment. The aqueous portion was decanted off, the volume measured and used for the extraction. The sediment was not included in the extraction.
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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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.

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 19E0929

YOUR Information	Report to:	Invoice To:	Your Project ID	Turn-Around Time	Report/Deliverable Type
Company: Restoration LLC	SAME ☐ Dr. JM Cervino	SAME ☐ ii	Woodhaven Blvd Auto	RUSH-Same Day	Summary Report: Yes
Address: 9-22 119st College Pt	Name:	Name:	87-15 68th	RUSH-Next Day	QA Report: Yes
New York	Company:	Company:			CT RCP
Phone.: 917-620-5287	Address:	Address:		RUSH-Three Day	CT RCP DQA/DUE Pkg
Contact: Dr James Cervino			Queens New York	RUSH-Four Day	NY ASP A Package
E-mail: jamescervino@gmail.com	E-mail:	E-mail	Samples from CT__NYX_NJ__	Standard (5-7day) XX	NY ASP B Package
					NJDEP Reduced Deliv
					Excel: Yes
					NYSDEC EQuIS
					NJDEP SRP HazSite
					EQuIS
					GIS/KEY (std)
					YORK Regulatory Comp Excel compared to: 375 Unrst 375 Prot GW
					OTHER:

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.

Dr James M. Cervino

Samples Collected/Authorized By (Signature)

Name (printed)

Matrix Codes
S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part360-Routine
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part360-Baseline
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part360-Expanded No Dioxin/Furans
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part360-Expanded Full List
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM

Sample Identification	Date+Time Sampled	Matrix	Analysis Requested (List above includes common analysis)	Container Description
	March 20th	GW & WW	TAL Metals, SVOC (8270), VOC (8260)	
B5 X2 Amber (SVOC)	2019		EPH, pH	
B5 X1` Amber (Metals)				
B5 X3 40mL VOC				
B-2 X3 Amber (SVOC)				
B2 X1 Amber (Metals)				
B2 X3 40mL VOC				

Comments:

Preservation (check all applicable): 4°C____ Frozen____ HCl____ MeOH____ HNO_3____ H_2SO_4____ NaOH____ ZnAc Ascorbic Acid Other

Special Instructions

Field Filtered ☐
Lab to Filter ☐

Samples Relinquished By — Date/Time: March 20th 2019

Samples Received By — Date/Time: 5-20-19 1859

Samples Received in LAB by — Date/Time

Temperature on Receipt: 3.1 °C

AARCO Environmental Services Corp.

DAILY JOB REPORT

Customer: Restoration and Conservation Date: 03/15/20 Weather: _____

Job Location: 85-17 68th Rd Queens, NY Job #: 5592 Day of Week: _____

Description of Work:

Remove bottom 2' sludge/liquid From pit disposal Dale.
Took 1,000 Gallons Took out 3 yards

Manifest # _____ Approval # _____ Gallons/Yards 3 Yard

Manifest # _____ Approval # _____ Gallons/Yards _____

Start Time: 5:30 Am Leave Shop: 5:45 Am

Arrive on Job Site: 7:45 Am Leave Job Site (1): 12:15 pm Total Hrs On-Site: _____

Arrive at Shop: _____ Clock Out Time: _____ Total Hrs for Day: _____

Overtime approved by: _____)

Employee:	Prevailing Wage Yes or No:	PW Category:
José Gómez		
Christopher Rodriguez		

Equipment Used:		Material Used:	
# 583			

Aarco Signature: X José Gómez *Client Signature: X* _____

50 Gear Avenue, Lindenhurst, NY 11757 Phone (631) 586-5900 Fax (631) 586-5910

Please print or type
(Form designed for use on elite (12-pitch) typewriter.)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
	1	631-586-5900	NEWM5592 5570

GENERATOR

5. Generator's Name and Mailing Address

WOODHAVEN AUTO BODY SHOP
85-17 68TH ROAD QUEENS NY 11374

Generator's Site Address (if different than mailing address)

85-17 68TH ROAD
QUEENS NY 11374

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

AARCO ENVIRONMENTAL SERVICES — NYR000107326

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

CLEAN WATER OF NEW YORK
3249 RICHMOND TERRACE
STATEN ISLAND, NY 10303 718 981 4600 — N/A

Facility's Phone:

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL (	001	TT	3 TRK		
2.	pump out 2000 gallons					
3.						
4.						

13. Special Handling Instructions and Additional Information

1. APPROVAL NO. 2020-128
JOB NO. 5592 ; TRUCK NO VC583

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year

K DARREN SMITH — 03/15/20

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name — Signature — Month Day Year

Jose Gomez — Jose Gomez — 03/15/20

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

GENERATOR'S/SHIPPER'S INITIAL COPY

Technical Report

prepared for:

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

Report Date: 03/23/2020
Client Project ID: Woodhaven Auto Body
York Project (SDG) No.: 20C0742

Report Date: 03/23/2020
Client Project ID: Woodhaven Auto Body
York Project (SDG) No.: 20C0742

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 16, 2020 and listed below. The project was identified as your project: **Woodhaven Auto Body**.

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.

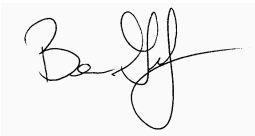
The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

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

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20C0742-01	S1 Grab Water	Water	03/16/2020	03/16/2020
20C0742-02	S1 Grab Soil @ 10'	Soil	03/16/2020	03/16/2020
20C0742-03	S1 Grab Soil @ 10' VOC	Soil	03/16/2020	03/16/2020

General Notes for York Project (SDG) No.: 20C0742

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: 

Date: 03/23/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: S1 Grab Water

York Sample ID: 20C0742-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS

Sample Information

Client Sample ID: S1 Grab Water

York Sample ID: 20C0742-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **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
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-64-1	**Acetone**	**130**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-27-4	**Bromodichloromethane**	**1.6**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
67-66-3	**Chloroform**	**4.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
124-48-1	**Dibromochloromethane**	**3.1**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30	03/23/2020 15:48 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	SS

Sample Information

Client Sample ID: S1 Grab Water **York Sample ID:** 20C0742-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **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
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-09-2	**Methylene chloride**	**2.4**		ug/L	1.0	2.0	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/23/2020 15:48	SS
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	03/23/2020 15:48	SS
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
100-42-5	**Styrene**	**3.7**		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications:	03/23/2020 09:30 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
108-88-3	**Toluene**	**0.40**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2020 15:48	SS
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2020 15:48	SS
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	03/23/2020 09:30 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2020 15:48	SS

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: **S1 Grab Water** **York Sample ID:** **20C0742-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **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
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*93.4 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*			*79-122*						

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
92-52-4	1,1-Biphenyl	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
95-95-4	2,4,5-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
88-06-2	2,4,6-Trichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
120-83-2	2,4-Dichlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
105-67-9	2,4-Dimethylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
51-28-5	2,4-Dinitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
121-14-2	2,4-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
606-20-2	2,6-Dinitrotoluene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
91-58-7	2-Chloronaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
95-57-8	2-Chlorophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW
91-57-6	2-Methylnaphthalene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 08:50	03/20/2020 00:42	OW

Sample Information

Client Sample ID: S1 Grab Water

York Sample ID: 20C0742-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3510C

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		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
88-74-4	2-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
88-75-5	2-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
65794-96-9	3- & 4-Methylphenols	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
91-94-1	3,3-Dichlorobenzidine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
99-09-2	3-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
101-55-3	4-Bromophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
59-50-7	4-Chloro-3-methylphenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
106-47-8	4-Chloroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
100-01-6	4-Nitroaniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
100-02-7	4-Nitrophenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
83-32-9	Acenaphthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
208-96-8	Acenaphthylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
98-86-2	Acetophenone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
62-53-3	Aniline	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
120-12-7	Anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
1912-24-9	Atrazine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
100-52-7	Benzaldehyde	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
92-87-5	Benzidine	ND		ug/L	10.3	20.5	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
56-55-3	Benzo(a)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
50-32-8	Benzo(a)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW

Sample Information

Client Sample ID: **S1 Grab Water** **York Sample ID:** **20C0742-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Semi-Volatiles, 8270 - Comprehensive **Log-in Notes:** VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
205-99-2	Benzo(b)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
191-24-2	Benzo(g,h,i)perylene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
207-08-9	Benzo(k)fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
65-85-0	Benzoic acid	ND		ug/L	25.6	51.3	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
100-51-6	Benzyl alcohol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
85-68-7	Benzyl butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
111-44-4	Bis(2-chloroethyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
117-81-7	**Bis(2-ethylhexyl)phthalate**	**0.523**		ug/L	0.513	0.513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
105-60-2	Caprolactam	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
86-74-8	Carbazole	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
218-01-9	Chrysene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
53-70-3	Dibenzo(a,h)anthracene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
132-64-9	Dibenzofuran	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
84-66-2	Diethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
131-11-3	Dimethyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
84-74-2	Di-n-butyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
117-84-0	Di-n-octyl phthalate	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
206-44-0	Fluoranthene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
86-73-7	Fluorene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
118-74-1	Hexachlorobenzene	ND		ug/L	0.0205	0.0205	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
87-68-3	Hexachlorobutadiene	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW

Sample Information

Client Sample ID: S1 Grab Water **York Sample ID:** 20C0742-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Water	March 16, 2020 12:00 am	03/16/2020

Semi-Volatiles, 8270 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Prepared by Method: EPA 3510C

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
77-47-4	Hexachlorocyclopentadiene	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
67-72-1	Hexachloroethane	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
78-59-1	Isophorone	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
91-20-3	**Naphthalene**	**0.0615**		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
98-95-3	Nitrobenzene	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
62-75-9	N-Nitrosodimethylamine	ND		ug/L	0.513	0.513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
621-64-7	N-nitroso-di-n-propylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
86-30-6	N-Nitrosodiphenylamine	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
87-86-5	Pentachlorophenol	ND		ug/L	0.256	0.256	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
85-01-8	Phenanthrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW
108-95-2	Phenol	ND		ug/L	2.56	5.13	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 00:42	OW
129-00-0	Pyrene	ND		ug/L	0.0513	0.0513	1	EPA 8270D Certifications:	03/19/2020 08:50 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/19/2020 22:51	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*31.1 %*	*19.7-63.1*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*15.9 %*	*10.1-41.7*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*66.9 %*	*50.2-113*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*77.2 %*	*39.9-105*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*128 %*	*39.3-151*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*96.3 %*	*30.7-106*

Sample Information

Client Sample ID: S1 Grab Soil @ 10' **York Sample ID:** 20C0742-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

Semi-Volatiles, NYSDEC Part 375 List

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **S1 Grab Soil @ 10'** **York Sample ID:** **20C0742-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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
95-48-7	2-Methylphenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
65794-96-9	3- & 4-Methylphenols	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
83-32-9	Acenaphthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
208-96-8	Acenaphthylene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
120-12-7	Anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
56-55-3	Benzo(a)anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
50-32-8	Benzo(a)pyrene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
205-99-2	Benzo(b)fluoranthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
191-24-2	Benzo(g,h,i)perylene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
207-08-9	Benzo(k)fluoranthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
218-01-9	Chrysene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
53-70-3	Dibenzo(a,h)anthracene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
132-64-9	Dibenzofuran	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
206-44-0	Fluoranthene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
86-73-7	Fluorene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
118-74-1	Hexachlorobenzene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
193-39-5	Indeno(1,2,3-cd)pyrene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
91-20-3	Naphthalene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
87-86-5	Pentachlorophenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
85-01-8	Phenanthrene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
108-95-2	Phenol	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW
129-00-0	Pyrene	ND		mg/kg dry	0.0496	0.0990	2	EPA 8270D Certifications:	03/19/2020 08:07 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 01:46	OW

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*65.2 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*66.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*63.7 %*	*22-108*

Sample Information

Client Sample ID: S1 Grab Soil @ 10'

York Sample ID: 20C0742-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

Semi-Volatiles, NYSDEC Part 375 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
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*62.2 %*			*21-113*						
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*92.4 %*			*19-110*						
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*86.8 %*			*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:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
72-55-9	4,4'-DDE	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
50-29-3	4,4'-DDT	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
309-00-2	Aldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
319-84-6	alpha-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
5103-71-9	alpha-Chlordane	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 NELAC-NY10854,NJDEP	03/20/2020 13:06	CM
319-85-7	beta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
319-86-8	delta-BHC	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
60-57-1	Dieldrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
959-98-8	Endosulfan I	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
33213-65-9	Endosulfan II	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854	03/20/2020 13:06	CM
1031-07-8	Endosulfan sulfate	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
72-20-8	Endrin	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
58-89-9	gamma-BHC (Lindane)	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM
76-44-8	Heptachlor	ND		mg/kg dry	0.00163	0.00163	5	EPA 8081B Certifications:	03/19/2020 14:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/20/2020 13:06	CM

	Surrogate Recoveries	Result	Acceptance Range
2051-24-3	*Surrogate: Decachlorobiphenyl*	*37.9 %*	*30-150*
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*45.9 %*	*30-150*

Polychlorinated Biphenyls (PCB)

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **S1 Grab Soil @ 10'** **York Sample ID:** **20C0742-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
11104-28-2	Aroclor 1221	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
11141-16-5	Aroclor 1232	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
53469-21-9	Aroclor 1242	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
12672-29-6	Aroclor 1248	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
11097-69-1	Aroclor 1254	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
11096-82-5	Aroclor 1260	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP	03/19/2020 14:04	03/20/2020 19:34	BJ
1336-36-3	* Total PCBs	ND		mg/kg dry	0.0197	1	EPA 8082A Certifications:	03/19/2020 14:04	03/20/2020 19:34	BJ

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*55.5 %*	*30-140*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*51.0 %*	*30-140*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3545A

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	* Total EPH	ND		mg/kg dry	58.0	1	NJDEP EPH Rev 3.0 Certifications: NJDEP	03/17/2020 14:36	03/20/2020 12:37	SGM

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*46.3 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*44.5 %*	*28.7-124*

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	1.79	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2020 09:47	03/20/2020 11:45	JAM
7440-39-3	**Barium**	**66.5**		mg/kg dry	2.99	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2020 09:47	03/20/2020 11:45	JAM
7440-41-7	Beryllium	ND		mg/kg dry	0.060	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2020 09:47	03/20/2020 11:45	JAM
7440-43-9	Cadmium	ND		mg/kg dry	0.358	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2020 09:47	03/20/2020 11:45	JAM
7440-47-3	**Chromium**	**32.6**		mg/kg dry	0.597	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/17/2020 09:47	03/20/2020 11:45	JAM

Sample Information

Client Sample ID: **S1 Grab Soil @ 10'** **York Sample ID:** **20C0742-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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
7440-50-8	**Copper**	**16.4**		mg/kg dry	2.39	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**6.05**		mg/kg dry	0.597	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**236**		mg/kg dry	0.597	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**19.2**		mg/kg dry	1.19	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.99	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.597	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**37.8**		mg/kg dry	2.99	1	EPA 6010D	03/17/2020 09:47	03/20/2020 11:45	JAM
							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	ND		mg/kg dry	0.0358	1	EPA 7473	03/19/2020 15:50	03/19/2020 18:29	SY
							Certifications: CTDOH,NJDEP,NELAC-NY10854,PADEP			

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	0.597	1	EPA 7196A	03/18/2020 08:50	03/18/2020 13:02	TJM
							Certifications: NJDEP,CTDOH,NELAC-NY10854,PADEP			

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**	**32.6**		mg/kg	0.500	1	Calculation	03/20/2020 11:33	03/20/2020 17:13	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	0.597	1	EPA 9014/9010C	03/17/2020 14:16	03/17/2020 19:28	ZTS
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: S1 Grab Soil @ 10' **York Sample ID:** 20C0742-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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	83.7		%	0.100	1	SM 2540G	03/17/2020 11:56	03/17/2020 16:54	TJM
							Certifications: CTDOH			

Sample Information

Client Sample ID: S1 Grab Soil @ 10' VOC **York Sample ID:** 20C0742-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
75-34-3	1,1-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
75-35-4	1,1-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
95-63-6	1,2,4-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
95-50-1	1,2-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
107-06-2	1,2-Dichloroethane	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
108-67-8	1,3,5-Trimethylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
541-73-1	1,3-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
106-46-7	1,4-Dichlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
123-91-1	1,4-Dioxane	ND		mg/kg dry	0.060	0.12	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
78-93-3	2-Butanone	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
67-64-1	Acetone	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
71-43-2	Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			
56-23-5	Carbon tetrachloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C	03/20/2020 09:30	03/20/2020 20:58	AB
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP			

Sample Information

Client Sample ID: S1 Grab Soil @ 10' VOC **York Sample ID:** 20C0742-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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
108-90-7	Chlorobenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
67-66-3	Chloroform	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
156-59-2	cis-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
100-41-4	Ethyl Benzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
75-09-2	Methylene chloride	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
91-20-3	Naphthalene	ND		mg/kg dry	0.0030	0.012	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
104-51-8	n-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
103-65-1	n-Propylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
95-47-6	o-Xylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AB
179601-23-1	p- & m- Xylenes	ND		mg/kg dry	0.0060	0.012	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	AB
135-98-8	sec-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
98-06-6	tert-Butylbenzene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
127-18-4	Tetrachloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
108-88-3	Toluene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
156-60-5	trans-1,2-Dichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
79-01-6	Trichloroethylene	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
75-01-4	Vinyl Chloride	ND		mg/kg dry	0.0030	0.0060	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP,NJDEP	AB
1330-20-7	Xylenes, Total	ND		mg/kg dry	0.0091	0.018	1	EPA 8260C Certifications:	03/20/2020 09:30	03/20/2020 20:58 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	AB

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.9 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*113 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Total Solids

Log-in Notes: VOA-CONT **Sample Notes:**

Sample Information

Client Sample ID: **S1 Grab Soil @ 10' VOC** **York Sample ID:** **20C0742-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0742	Woodhaven Auto Body	Soil	March 16, 2020 12:00 am	03/16/2020

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**	**82.7**		%	0.100	1	SM 2540G	03/17/2020 11:56	03/17/2020 16:54	TJM
							Certifications: CTDOH			

Analytical Batch Summary

Batch ID: BC00986 **Preparation Method:** EPA 3050B **Prepared By:** JAM

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/17/20
BC00986-BLK1	Blank	03/17/20
BC00986-SRM1	Reference	03/17/20

Batch ID: BC00997 **Preparation Method:** % Solids Prep **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/17/20
20C0742-03	S1 Grab Soil @ 10' VOC	03/17/20
BC00997-DUP1	Duplicate	03/17/20

Batch ID: BC01014 **Preparation Method:** Analysis Preparation Soil **Prepared By:** ZTS

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/17/20
BC01014-BLK1	Blank	03/17/20
BC01014-SRM1	Reference	03/17/20

Batch ID: BC01016 **Preparation Method:** EPA 3545A **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/17/20
BC01016-BLK1	Blank	03/17/20
BC01016-BS1	LCS	03/17/20
BC01016-BSD1	LCS Dup	03/17/20

Batch ID: BC01066 **Preparation Method:** EPA SW846-3060 **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/18/20
BC01066-BLK1	Blank	03/18/20
BC01066-SRM1	Reference	03/18/20

Batch ID: BC01128 **Preparation Method:** EPA 3550C **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/19/20
BC01128-BLK1	Blank	03/19/20
BC01128-BS1	LCS	03/19/20

Batch ID: BC01141 **Preparation Method:** EPA 3510C **Prepared By:** TSS

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-01	S1 Grab Water	03/19/20
BC01141-BLK1	Blank	03/19/20
BC01141-BLK2	Blank	03/19/20
BC01141-BS1	LCS	03/19/20
BC01141-BS2	LCS	03/19/20
BC01141-BSD1	LCS Dup	03/19/20

Batch ID: BC01176 **Preparation Method:** EPA 3550C **Prepared By:** LJ

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/19/20
20C0742-02	S1 Grab Soil @ 10'	03/19/20
BC01176-BLK1	Blank	03/19/20
BC01176-BLK2	Blank	03/19/20
BC01176-BS1	LCS	03/19/20
BC01176-BS2	LCS	03/19/20

Batch ID: BC01186 **Preparation Method:** EPA 7473 soil **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/19/20
BC01186-BLK1	Blank	03/19/20
BC01186-SRM1	Reference	03/19/20

Batch ID: BC01240 **Preparation Method:** Analysis Preparation **Prepared By:** PAM

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-02	S1 Grab Soil @ 10'	03/20/20

Batch ID: BC01243 **Preparation Method:** EPA 5035A **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-03	S1 Grab Soil @ 10' VOC	03/20/20
BC01243-BLK1	Blank	03/20/20
BC01243-BLK2	Blank	03/20/20
BC01243-BS1	LCS	03/20/20
BC01243-BSD1	LCS Dup	03/20/20

Batch ID: BC01307 **Preparation Method:** EPA 5030B **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20C0742-01	S1 Grab Water	03/23/20
BC01307-BLK1	Blank	03/23/20
BC01307-BS1	LCS	03/23/20
BC01307-BSD1	LCS Dup	03/23/20

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 BC01243 - EPA 5035A											
Blank (BC01243-BLK1)											Prepared & Analyzed: 03/20/2020
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	*48.3*		*ug/L*	*50.0*		*96.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*56.5*		*"*	*50.0*		*113*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.0*		*"*	*50.0*		*100*	*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 BC01243 - EPA 5035A											
Blank (BC01243-BLK2)											
Prepared & Analyzed: 03/20/2020											
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	*48.8*		*ug/L*	*50.0*		*97.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*56.2*		*"*	*50.0*		*112*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.1*		*"*	*50.0*		*100*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

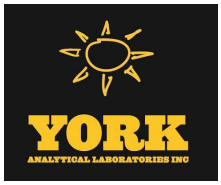
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC01243 - EPA 5035A											
LCS (BC01243-BS1)								Prepared & Analyzed: 03/20/2020			
1,1,1-Trichloroethane	44		ug/L	50.0		88.6	71-137				
1,1-Dichloroethane	45		"	50.0		89.6	75-130				
1,1-Dichloroethylene	50		"	50.0		101	64-137				
1,2,4-Trimethylbenzene	61		"	50.0		122	84-125				
1,2-Dichlorobenzene	58		"	50.0		116	85-122				
1,2-Dichloroethane	44		"	50.0		88.4	71-133				
1,3,5-Trimethylbenzene	61		"	50.0		122	82-126				
1,3-Dichlorobenzene	58		"	50.0		115	84-124				
1,4-Dichlorobenzene	57		"	50.0		114	84-124				
1,4-Dioxane	1000		"	1050		97.9	10-228				
2-Butanone	46		"	50.0		92.3	58-147				
Acetone	34		"	50.0		67.2	36-155				
Benzene	49		"	50.0		97.9	77-127				
Carbon tetrachloride	42		"	50.0		84.0	66-143				
Chlorobenzene	55		"	50.0		110	86-120				
Chloroform	46		"	50.0		91.1	76-131				
cis-1,2-Dichloroethylene	46		"	50.0		91.2	74-132				
Ethyl Benzene	58		"	50.0		116	84-125				
Methyl tert-butyl ether (MTBE)	42		"	50.0		84.8	74-131				
Methylene chloride	48		"	50.0		95.6	57-141				
Naphthalene	56		"	50.0		113	86-141				
n-Butylbenzene	54		"	50.0		108	80-130				
n-Propylbenzene	61		"	50.0		122	74-136				
o-Xylene	56		"	50.0		112	83-123				
p- & m- Xylenes	110		"	100		112	82-128				
sec-Butylbenzene	65		"	50.0		129	83-125	High Bias			
tert-Butylbenzene	59		"	50.0		118	80-127				
Tetrachloroethylene	47		"	50.0		94.8	80-129				
Toluene	58		"	50.0		116	85-121				
trans-1,2-Dichloroethylene	49		"	50.0		98.9	72-132				
Trichloroethylene	55		"	50.0		110	84-123				
Vinyl Chloride	56		"	50.0		112	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.6*		*"*	*50.0*		*97.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*56.0*		*"*	*50.0*		*112*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*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 BC01243 - EPA 5035A											
LCS Dup (BC01243-BSD1)								Prepared & Analyzed: 03/20/2020			
1,1,1-Trichloroethane	45		ug/L	50.0		89.0	71-137		0.473	30	
1,1-Dichloroethane	45		"	50.0		90.9	75-130		1.46	30	
1,1-Dichloroethylene	51		"	50.0		102	64-137		0.989	30	
1,2,4-Trimethylbenzene	61		"	50.0		123	84-125		0.736	30	
1,2-Dichlorobenzene	59		"	50.0		118	85-122		1.18	30	
1,2-Dichloroethane	45		"	50.0		89.9	71-133		1.68	30	
1,3,5-Trimethylbenzene	62		"	50.0		123	82-126		0.586	30	
1,3-Dichlorobenzene	57		"	50.0		115	84-124		0.713	30	
1,4-Dichlorobenzene	57		"	50.0		115	84-124		0.0873	30	
1,4-Dioxane	1100		"	1050		105	10-228		7.27	30	
2-Butanone	44		"	50.0		87.5	58-147		5.41	30	
Acetone	35		"	50.0		69.5	36-155		3.45	30	
Benzene	49		"	50.0		98.8	77-127		0.956	30	
Carbon tetrachloride	43		"	50.0		85.4	66-143		1.75	30	
Chlorobenzene	56		"	50.0		111	86-120		1.38	30	
Chloroform	46		"	50.0		91.7	76-131		0.722	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.5	74-132		1.39	30	
Ethyl Benzene	59		"	50.0		117	84-125		0.838	30	
Methyl tert-butyl ether (MTBE)	43		"	50.0		86.3	74-131		1.73	30	
Methylene chloride	48		"	50.0		96.9	57-141		1.31	30	
Naphthalene	58		"	50.0		117	86-141		3.40	30	
n-Butylbenzene	57		"	50.0		114	80-130		5.00	30	
n-Propylbenzene	62		"	50.0		123	74-136		0.537	30	
o-Xylene	57		"	50.0		114	83-123		1.29	30	
p- & m- Xylenes	110		"	100		113	82-128		1.12	30	
sec-Butylbenzene	65		"	50.0		130	83-125	High Bias	1.02	30	
tert-Butylbenzene	60		"	50.0		120	80-127		1.19	30	
Tetrachloroethylene	48		"	50.0		96.0	80-129		1.24	30	
Toluene	59		"	50.0		118	85-121		1.26	30	
trans-1,2-Dichloroethylene	50		"	50.0		99.8	72-132		0.966	30	
Trichloroethylene	55		"	50.0		111	84-123		0.399	30	
Vinyl Chloride	54		"	50.0		109	52-130		3.39	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.2*		*"*	*50.0*		*96.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*56.3*		*"*	*50.0*		*113*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.2*		*"*	*50.0*		*100*	*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 BC01307 - EPA 5030B											
Blank (BC01307-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	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	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								

Prepared & Analyzed: 03/23/2020

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 BC01307 - EPA 5030B											
Blank (BC01307-BLK1)											Prepared & Analyzed: 03/23/2020
n-Butylbenzene	ND	0.50	ug/L								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.49*		*"*	*10.0*		*94.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*11.1*		*"*	*10.0*		*111*	*79-122*				
LCS (BC01307-BS1)											Prepared & Analyzed: 03/23/2020
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.6	82-126				
1,1,1-Trichloroethane	11		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	11		"	10.0		108	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		105	54-165				
1,1,2-Trichloroethane	10		"	10.0		103	82-123				
1,1-Dichloroethane	9.7		"	10.0		97.3	82-129				
1,1-Dichloroethylene	10		"	10.0		104	68-138				
1,2,3-Trichlorobenzene	9.6		"	10.0		96.3	76-136				
1,2,3-Trichloropropane	11		"	10.0		106	77-128				
1,2,4-Trichlorobenzene	9.7		"	10.0		96.9	76-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		98.6	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147				
1,2-Dibromoethane	11		"	10.0		106	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		98.0	79-123				
1,2-Dichloroethane	9.6		"	10.0		96.1	73-132				
1,2-Dichloropropane	11		"	10.0		107	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-122				
1,4-Dichlorobenzene	11		"	10.0		107	85-124				
1,4-Dioxane	250		"	210		117	10-349				
2-Butanone	12		"	10.0		119	49-152				
2-Hexanone	10		"	10.0		103	51-146				
4-Methyl-2-pentanone	11		"	10.0		107	57-145				
Acetone	6.9		"	10.0		69.2	14-150				
Acrolein	11		"	10.0		111	10-153				
Acrylonitrile	11		"	10.0		106	51-150				
Benzene	10		"	10.0		99.8	85-126				

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 BC01307 - EPA 5030B											
LCS (BC01307-BS1)								Prepared & Analyzed: 03/23/2020			
Bromochloromethane	10		ug/L	10.0		102	77-128				
Bromodichloromethane	10		"	10.0		105	79-128				
Bromoform	11		"	10.0		110	78-133				
Bromomethane	12		"	10.0		116	43-168				
Carbon disulfide	10		"	10.0		105	68-146				
Carbon tetrachloride	11		"	10.0		110	77-141				
Chlorobenzene	9.6		"	10.0		96.2	88-120				
Chloroethane	9.8		"	10.0		98.3	65-136				
Chloroform	9.8		"	10.0		97.8	82-128				
Chloromethane	12		"	10.0		118	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	11		"	10.0		110	80-131				
Cyclohexane	9.9		"	10.0		99.2	63-149				
Dibromochloromethane	11		"	10.0		111	80-130				
Dibromomethane	10		"	10.0		103	72-134				
Dichlorodifluoromethane	13		"	10.0		133	44-144				
Ethyl Benzene	10		"	10.0		101	80-131				
Hexachlorobutadiene	11		"	10.0		107	67-146				
Isopropylbenzene	9.6		"	10.0		96.4	76-140				
Methyl acetate	9.5		"	10.0		94.7	51-139				
Methyl tert-butyl ether (MTBE)	10		"	10.0		99.5	76-135				
Methylcyclohexane	10		"	10.0		105	72-143				
Methylene chloride	11		"	10.0		107	55-137				
n-Butylbenzene	10		"	10.0		100	79-132				
n-Propylbenzene	9.9		"	10.0		98.6	78-133				
o-Xylene	10		"	10.0		101	78-130				
p- & m- Xylenes	21		"	20.0		105	77-133				
p-Isopropyltoluene	11		"	10.0		114	81-136				
sec-Butylbenzene	11		"	10.0		107	79-137				
Styrene	11		"	10.0		111	67-132				
tert-Butyl alcohol (TBA)	59		"	50.0		118	25-162				
tert-Butylbenzene	9.4		"	10.0		94.3	77-138				
Tetrachloroethylene	8.7		"	10.0		87.3	82-131				
Toluene	10		"	10.0		101	80-127				
trans-1,2-Dichloroethylene	11		"	10.0		107	80-132				
trans-1,3-Dichloropropylene	11		"	10.0		111	78-131				
trans-1,4-dichloro-2-butene	11		"	10.0		114	63-141				
Trichloroethylene	10		"	10.0		101	82-128				
Trichlorofluoromethane	9.7		"	10.0		96.6	67-139				
Vinyl Chloride	10		"	10.0		101	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.45*		*"*	*10.0*		*94.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.5*		*"*	*10.0*		*105*	*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 BC01307 - EPA 5030B											
LCS Dup (BC01307-BSD1)								Prepared & Analyzed: 03/23/2020			
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		97.8	82-126		0.205	30	
1,1,1-Trichloroethane	11		"	10.0		113	78-136		3.32	30	
1,1,2,2-Tetrachloroethane	11		"	10.0		108	76-129		0.277	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165		5.09	30	
1,1,2-Trichloroethane	10		"	10.0		101	82-123		1.97	30	
1,1-Dichloroethane	9.9		"	10.0		99.4	82-129		2.14	30	
1,1-Dichloroethylene	11		"	10.0		107	68-138		2.94	30	
1,2,3-Trichlorobenzene	9.8		"	10.0		98.2	76-136		1.95	30	
1,2,3-Trichloropropane	10		"	10.0		104	77-128		2.00	30	
1,2,4-Trichlorobenzene	9.7		"	10.0		96.7	76-137		0.207	30	
1,2,4-Trimethylbenzene	10		"	10.0		101	82-132		2.01	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		105	45-147		1.44	30	
1,2-Dibromoethane	11		"	10.0		106	83-124		0.0942	30	
1,2-Dichlorobenzene	9.9		"	10.0		98.6	79-123		0.610	30	
1,2-Dichloroethane	10		"	10.0		99.6	73-132		3.58	30	
1,2-Dichloropropane	10		"	10.0		105	78-126		1.80	30	
1,3,5-Trimethylbenzene	10		"	10.0		101	80-131		0.395	30	
1,3-Dichlorobenzene	11		"	10.0		109	86-122		0.550	30	
1,4-Dichlorobenzene	11		"	10.0		108	85-124		0.560	30	
1,4-Dioxane	310		"	210		146	10-349		21.8	30	
2-Butanone	11		"	10.0		114	49-152		4.89	30	
2-Hexanone	9.9		"	10.0		99.2	51-146		3.37	30	
4-Methyl-2-pentanone	10		"	10.0		105	57-145		1.70	30	
Acetone	7.5		"	10.0		74.7	14-150		7.64	30	
Acrolein	11		"	10.0		114	10-153		2.13	30	
Acrylonitrile	11		"	10.0		106	51-150		0.00	30	
Benzene	10		"	10.0		102	85-126		2.18	30	
Bromochloromethane	10		"	10.0		102	77-128		0.196	30	
Bromodichloromethane	11		"	10.0		105	79-128		0.476	30	
Bromoform	11		"	10.0		108	78-133		1.29	30	
Bromomethane	13		"	10.0		127	43-168		8.98	30	
Carbon disulfide	11		"	10.0		107	68-146		2.27	30	
Carbon tetrachloride	11		"	10.0		112	77-141		1.71	30	
Chlorobenzene	9.6		"	10.0		96.3	88-120		0.104	30	
Chloroethane	10		"	10.0		102	65-136		3.69	30	
Chloroform	9.9		"	10.0		98.6	82-128		0.815	30	
Chloromethane	12		"	10.0		119	43-155		0.589	30	
cis-1,2-Dichloroethylene	10		"	10.0		104	83-129		1.55	30	
cis-1,3-Dichloropropylene	11		"	10.0		107	80-131		2.49	30	
Cyclohexane	10		"	10.0		101	63-149		2.19	30	
Dibromochloromethane	11		"	10.0		111	80-130		0.450	30	
Dibromomethane	10		"	10.0		101	72-134		1.77	30	
Dichlorodifluoromethane	14		"	10.0		139	44-144		4.12	30	
Ethyl Benzene	10		"	10.0		101	80-131		0.0994	30	
Hexachlorobutadiene	10		"	10.0		103	67-146		4.38	30	
Isopropylbenzene	9.8		"	10.0		98.2	76-140		1.85	30	
Methyl acetate	9.2		"	10.0		92.3	51-139		2.57	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		102	76-135		1.99	30	
Methylcyclohexane	11		"	10.0		106	72-143		1.05	30	
Methylene chloride	11		"	10.0		108	55-137		0.279	30	

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 BC01307 - EPA 5030B											
LCS Dup (BC01307-BSD1)								Prepared & Analyzed: 03/23/2020			
n-Butylbenzene	11		ug/L	10.0		110	79-132		9.14	30	
n-Propylbenzene	9.9		"	10.0		99.4	78-133		0.808	30	
o-Xylene	10		"	10.0		100	78-130		0.793	30	
p- & m- Xylenes	21		"	20.0		104	77-133		0.671	30	
p-Isopropyltoluene	12		"	10.0		115	81-136		1.13	30	
sec-Butylbenzene	11		"	10.0		109	79-137		1.85	30	
Styrene	11		"	10.0		110	67-132		0.997	30	
tert-Butyl alcohol (TBA)	61		"	50.0		123	25-162		3.88	30	
tert-Butylbenzene	9.6		"	10.0		96.4	77-138		2.20	30	
Tetrachloroethylene	8.8		"	10.0		87.6	82-131		0.343	30	
Toluene	10		"	10.0		103	80-127		2.26	30	
trans-1,2-Dichloroethylene	11		"	10.0		110	80-132		2.68	30	
trans-1,3-Dichloropropylene	11		"	10.0		109	78-131		1.45	30	
trans-1,4-dichloro-2-butene	11		"	10.0		113	63-141		1.06	30	
Trichloroethylene	10		"	10.0		101	82-128		0.495	30	
Trichlorofluoromethane	10		"	10.0		103	67-139		6.41	30	
Vinyl Chloride	11		"	10.0		106	58-145		4.91	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.76*		*"*	*10.0*		*97.6*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*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
Batch BC01128 - EPA 3550C											
Blank (BC01128-BLK1)											
2-Methylphenol	ND	0.0416	mg/kg wet								
3- & 4-Methylphenols	ND	0.0416	"								
Acenaphthene	ND	0.0416	"								
Acenaphthylene	ND	0.0416	"								
Anthracene	ND	0.0416	"								
Benzo(a)anthracene	ND	0.0416	"								
Benzo(a)pyrene	ND	0.0416	"								
Benzo(b)fluoranthene	ND	0.0416	"								
Benzo(g,h,i)perylene	ND	0.0416	"								
Benzo(k)fluoranthene	ND	0.0416	"								
Chrysene	ND	0.0416	"								
Dibenzo(a,h)anthracene	ND	0.0416	"								
Dibenzofuran	ND	0.0416	"								
Fluoranthene	ND	0.0416	"								
Fluorene	ND	0.0416	"								
Hexachlorobenzene	ND	0.0416	"								
Indeno(1,2,3-cd)pyrene	ND	0.0416	"								
Naphthalene	ND	0.0416	"								
Pentachlorophenol	ND	0.0416	"								
Phenanthrene	ND	0.0416	"								
Phenol	ND	0.0416	"								
Pyrene	ND	0.0416	"								
Surrogate: SURR: 2-Fluorophenol	*1.27*		"	*1.66*		*76.7*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.26*		"	*1.66*		*75.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.653*		"	*0.831*		*78.7*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.654*		"	*0.831*		*78.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.63*		"	*1.66*		*98.1*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.806*		"	*0.831*		*97.1*	*24-116*				

Prepared & Analyzed: 03/19/2020

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
Batch BC01128 - EPA 3550C											
LCS (BC01128-BS1)							Prepared & Analyzed: 03/19/2020				
2-Methylphenol	0.510	0.0416	mg/kg wet	0.831		61.4	10-146				
3- & 4-Methylphenols	0.488	0.0416	"	0.831		58.8	20-109				
Acenaphthene	0.619	0.0416	"	0.831		74.5	17-124				
Acenaphthylene	0.579	0.0416	"	0.831		69.7	16-124				
Anthracene	0.665	0.0416	"	0.831		80.0	24-124				
Benzo(a)anthracene	0.623	0.0416	"	0.831		75.0	25-134				
Benzo(a)pyrene	0.669	0.0416	"	0.831		80.6	29-144				
Benzo(b)fluoranthene	0.728	0.0416	"	0.831		87.6	20-151				
Benzo(g,h,i)perylene	0.668	0.0416	"	0.831		80.5	10-153				
Benzo(k)fluoranthene	0.639	0.0416	"	0.831		77.0	10-148				
Chrysene	0.639	0.0416	"	0.831		76.9	24-116				
Dibenzo(a,h)anthracene	0.704	0.0416	"	0.831		84.7	17-147				
Dibenzofuran	0.601	0.0416	"	0.831		72.4	23-123				
Fluoranthene	0.691	0.0416	"	0.831		83.2	36-125				
Fluorene	0.647	0.0416	"	0.831		77.8	16-130				
Hexachlorobenzene	0.512	0.0416	"	0.831		61.6	10-129				
Indeno(1,2,3-cd)pyrene	0.687	0.0416	"	0.831		82.8	10-155				
Naphthalene	0.618	0.0416	"	0.831		74.4	20-121				
Pentachlorophenol	0.346	0.0416	"	0.831		41.6	10-143				
Phenanthrene	0.667	0.0416	"	0.831		80.3	24-123				
Phenol	0.640	0.0416	"	0.831		77.1	15-123				
Pyrene	0.628	0.0416	"	0.831		75.6	24-132				
Surrogate: SURR: 2-Fluorophenol	*1.14*		"	*1.66*		*68.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*1.19*		"	*1.66*		*71.5*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*0.600*		"	*0.831*		*72.2*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.575*		"	*0.831*		*69.2*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1.57*		"	*1.66*		*94.8*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*0.718*		"	*0.831*		*86.4*	*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
Batch BC01141 - EPA 3510C											
Blank (BC01141-BLK1)									Prepared & Analyzed: 03/19/2020		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								

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
Batch BC01141 - EPA 3510C											
Blank (BC01141-BLK1)											
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	*18.8*		"	*50.0*		*37.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*9.83*		"	*50.0*		*19.7*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*20.1*		"	*25.0*		*80.4*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*22.6*		"	*25.0*		*90.6*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*74.6*		"	*50.0*		*149*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*29.0*		"	*25.0*		*116*	*30.7-106*				

Prepared & Analyzed: 03/19/2020

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
Batch BC01141 - EPA 3510C											
Blank (BC01141-BLK2)									Prepared & Analyzed: 03/19/2020		
1,1-Biphenyl	ND	5.00	ug/L								
1,2,4,5-Tetrachlorobenzene	ND	5.00	"								
1,2,4-Trichlorobenzene	ND	5.00	"								
1,2-Dichlorobenzene	ND	5.00	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"								
1,3-Dichlorobenzene	ND	5.00	"								
1,4-Dichlorobenzene	ND	5.00	"								
2,3,4,6-Tetrachlorophenol	ND	5.00	"								
2,4,5-Trichlorophenol	ND	5.00	"								
2,4,6-Trichlorophenol	ND	5.00	"								
2,4-Dichlorophenol	ND	5.00	"								
2,4-Dimethylphenol	ND	5.00	"								
2,4-Dinitrophenol	ND	5.00	"								
2,4-Dinitrotoluene	ND	5.00	"								
2,6-Dinitrotoluene	ND	5.00	"								
2-Chloronaphthalene	ND	5.00	"								
2-Chlorophenol	ND	5.00	"								
2-Methylnaphthalene	ND	5.00	"								
2-Methylphenol	ND	5.00	"								
2-Nitroaniline	ND	5.00	"								
2-Nitrophenol	ND	5.00	"								
3- & 4-Methylphenols	ND	5.00	"								
3,3-Dichlorobenzidine	ND	5.00	"								
3-Nitroaniline	ND	5.00	"								
4,6-Dinitro-2-methylphenol	ND	5.00	"								
4-Bromophenyl phenyl ether	ND	5.00	"								
4-Chloro-3-methylphenol	ND	5.00	"								
4-Chloroaniline	ND	5.00	"								
4-Chlorophenyl phenyl ether	ND	5.00	"								
4-Nitroaniline	ND	5.00	"								
4-Nitrophenol	ND	5.00	"								
Acenaphthene	ND	0.0500	"								
Acenaphthylene	ND	0.0500	"								
Acetophenone	ND	5.00	"								
Aniline	ND	5.00	"								
Anthracene	ND	0.0500	"								
Atrazine	ND	0.500	"								
Benzaldehyde	ND	5.00	"								
Benzidine	ND	20.0	"								
Benzo(a)anthracene	ND	0.0500	"								
Benzo(a)pyrene	ND	0.0500	"								
Benzo(b)fluoranthene	ND	0.0500	"								
Benzo(g,h,i)perylene	ND	0.0500	"								
Benzo(k)fluoranthene	ND	0.0500	"								
Benzoic acid	ND	50.0	"								
Benzyl alcohol	ND	5.00	"								
Benzyl butyl phthalate	ND	5.00	"								
Bis(2-chloroethoxy)methane	ND	5.00	"								
Bis(2-chloroethyl)ether	ND	5.00	"								
Bis(2-chloroisopropyl)ether	ND	5.00	"								
Bis(2-ethylhexyl)phthalate	ND	0.500	"								

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
Batch BC01141 - EPA 3510C											
Blank (BC01141-BLK2)									Prepared & Analyzed: 03/19/2020		
Caprolactam	ND	5.00	ug/L								
Carbazole	ND	5.00	"								
Chrysene	ND	0.0500	"								
Dibenzo(a,h)anthracene	ND	0.0500	"								
Dibenzofuran	ND	5.00	"								
Diethyl phthalate	ND	5.00	"								
Dimethyl phthalate	ND	5.00	"								
Di-n-butyl phthalate	ND	5.00	"								
Di-n-octyl phthalate	ND	5.00	"								
Fluoranthene	ND	0.0500	"								
Fluorene	ND	0.0500	"								
Hexachlorobenzene	ND	0.0200	"								
Hexachlorobutadiene	ND	0.500	"								
Hexachlorocyclopentadiene	ND	5.00	"								
Hexachloroethane	ND	0.500	"								
Indeno(1,2,3-cd)pyrene	ND	0.0500	"								
Isophorone	ND	5.00	"								
Naphthalene	ND	0.0500	"								
Nitrobenzene	ND	0.250	"								
N-Nitrosodimethylamine	ND	0.500	"								
N-nitroso-di-n-propylamine	ND	5.00	"								
N-Nitrosodiphenylamine	ND	5.00	"								
Pentachlorophenol	ND	0.250	"								
Phenanthrene	ND	0.0500	"								
Phenol	ND	5.00	"								
Pyrene	ND	0.0500	"								
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC01141 - EPA 3510C

LCS (BC01141-BS1) Prepared & Analyzed: 03/19/2020

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	23.2	5.00	ug/L	25.0		92.9	21-102				
1,2,4,5-Tetrachlorobenzene	32.6	5.00	"	25.2		129	28-105	High Bias			
1,2,4-Trichlorobenzene	26.4	5.00	"	25.0		105	35-91	High Bias			
1,2-Dichlorobenzene	19.3	5.00	"	25.0		77.4	42-85				
1,2-Diphenylhydrazine (as Azobenzene)	17.1	5.00	"	25.0		68.6	16-137				
1,3-Dichlorobenzene	18.9	5.00	"	25.0		75.6	45-80				
1,4-Dichlorobenzene	19.4	5.00	"	25.0		77.5	42-82				
2,3,4,6-Tetrachlorophenol	28.8	5.00	"	25.0		115	30-130				
2,4,5-Trichlorophenol	29.4	5.00	"	25.0		118	36-112	High Bias			
2,4,6-Trichlorophenol	31.9	5.00	"	25.0		128	41-107	High Bias			
2,4-Dichlorophenol	27.6	5.00	"	25.0		110	43-92	High Bias			
2,4-Dimethylphenol	21.4	5.00	"	25.0		85.4	25-92				
2,4-Dinitrophenol	24.9	5.00	"	25.0		99.8	10-149				
2,4-Dinitrotoluene	27.7	5.00	"	25.0		111	41-114				
2,6-Dinitrotoluene	32.4	5.00	"	25.0		130	49-106	High Bias			
2-Chloronaphthalene	25.2	5.00	"	25.0		101	40-96	High Bias			
2-Chlorophenol	18.4	5.00	"	25.0		73.4	35-84				
2-Methylnaphthalene	25.2	5.00	"	25.0		101	33-101				
2-Methylphenol	12.6	5.00	"	25.0		50.6	10-90				
2-Nitroaniline	30.0	5.00	"	25.0		120	31-122				
2-Nitrophenol	28.5	5.00	"	25.0		114	37-97	High Bias			
3- & 4-Methylphenols	10.2	5.00	"	25.0		41.0	10-101				
3,3-Dichlorobenzidine	22.3	5.00	"	25.0		89.2	25-155				
3-Nitroaniline	21.1	5.00	"	25.0		84.4	29-128				
4,6-Dinitro-2-methylphenol	26.8	5.00	"	25.0		107	10-135				
4-Bromophenyl phenyl ether	27.7	5.00	"	25.0		111	38-116				
4-Chloro-3-methylphenol	23.6	5.00	"	25.0		94.4	28-101				
4-Chloroaniline	17.6	5.00	"	25.0		70.5	10-154				
4-Chlorophenyl phenyl ether	27.1	5.00	"	25.0		108	34-112				
4-Nitroaniline	24.0	5.00	"	25.0		96.1	15-143				
4-Nitrophenol	10.7	5.00	"	25.0		42.8	10-112				
Acenaphthene	21.8	0.0500	"	25.0		87.2	24-114				
Acenaphthylene	23.5	0.0500	"	25.0		94.0	26-112				
Acetophenone	15.7	5.00	"	25.0		63.0	47-92				
Aniline	9.03	5.00	"	25.0		36.1	10-107				
Anthracene	24.8	0.0500	"	25.0		99.1	35-114				
Atrazine	24.2	0.500	"	25.0		96.7	43-101				
Benzaldehyde	16.2	5.00	"	25.0		64.9	17-117				
Benzo(a)anthracene	25.1	0.0500	"	25.0		101	38-127				
Benzo(a)pyrene	32.2	0.0500	"	25.0		129	30-146				
Benzo(b)fluoranthene	28.2	0.0500	"	25.0		113	36-145				
Benzo(g,h,i)perylene	25.6	0.0500	"	25.0		102	10-163				
Benzo(k)fluoranthene	26.6	0.0500	"	25.0		107	16-149				
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias			
Benzyl alcohol	12.4	5.00	"	25.0		49.5	18-75				
Benzyl butyl phthalate	23.4	5.00	"	25.0		93.6	28-129				
Bis(2-chloroethoxy)methane	18.7	5.00	"	25.0		74.9	27-112				
Bis(2-chloroethyl)ether	15.6	5.00	"	25.0		62.3	24-114				
Bis(2-chloroisopropyl)ether	13.8	5.00	"	25.0		55.1	21-124				
Bis(2-ethylhexyl)phthalate	24.0	0.500	"	25.0		95.8	10-171				
Caprolactam	3.39	5.00	"	25.0		13.6	10-29				

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
Batch BC01141 - EPA 3510C											
LCS (BC01141-BS1)							Prepared & Analyzed: 03/19/2020				
Carbazole	24.0	5.00	ug/L	25.0		96.0	49-116				
Chrysene	25.1	0.0500	"	25.0		100	33-120				
Dibenzo(a,h)anthracene	26.3	0.0500	"	25.0		105	10-149				
Dibenzofuran	23.7	5.00	"	25.0		94.7	42-105				
Diethyl phthalate	24.7	5.00	"	25.0		98.6	38-112				
Dimethyl phthalate	26.7	5.00	"	25.0		107	49-106	High Bias			
Di-n-butyl phthalate	23.7	5.00	"	25.0		94.7	36-110				
Di-n-octyl phthalate	25.7	5.00	"	25.0		103	12-149				
Fluoranthene	27.4	0.0500	"	25.0		110	33-126				
Fluorene	24.6	0.0500	"	25.0		98.4	28-117				
Hexachlorobenzene	21.6	0.0200	"	25.0		86.5	27-120				
Hexachlorobutadiene	31.3	0.500	"	25.0		125	25-106	High Bias			
Hexachlorocyclopentadiene	23.0	5.00	"	25.0		92.2	10-99				
Hexachloroethane	17.4	0.500	"	25.0		69.4	33-84				
Indeno(1,2,3-cd)pyrene	33.7	0.0500	"	25.0		135	10-150				
Isophorone	19.4	5.00	"	25.0		77.5	29-115				
Naphthalene	21.7	0.0500	"	25.0		86.8	30-99				
Nitrobenzene	18.6	0.250	"	25.0		74.2	32-113				
N-Nitrosodimethylamine	6.62	0.500	"	25.0		26.5	10-63				
N-nitroso-di-n-propylamine	15.7	5.00	"	25.0		62.9	36-118				
N-Nitrosodiphenylamine	23.9	5.00	"	25.0		95.6	27-145				
Pentachlorophenol	21.0	0.250	"	25.0		84.1	19-127				
Phenanthrene	24.6	0.0500	"	25.0		98.6	31-112				
Phenol	6.41	5.00	"	25.0		25.6	10-37				
Pyrene	23.7	0.0500	"	25.0		95.0	42-125				
Surrogate: SURR: 2-Fluorophenol	*19.2*		*"*	*50.0*		*38.5*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.6*		*"*	*50.0*		*21.3*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*19.7*		*"*	*25.0*		*78.8*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*26.7*		*"*	*25.0*		*107*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*70.2*		*"*	*50.0*		*140*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*28.3*		*"*	*25.0*		*113*	*30.7-106*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

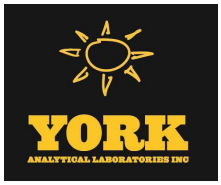
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC01141 - EPA 3510C											
LCS (BC01141-BS2)							Prepared & Analyzed: 03/19/2020				
1,1-Biphenyl	ND	5.00	ug/L				21-102				
1,2,4,5-Tetrachlorobenzene	ND	5.00	"				28-105				
1,2,4-Trichlorobenzene	ND	5.00	"	1.00			35-91	Low Bias			
1,2-Dichlorobenzene	ND	5.00	"	1.00			42-85	Low Bias			
1,2-Diphenylhydrazine (as Azobenzene)	ND	5.00	"	1.00			16-137	Low Bias			
1,3-Dichlorobenzene	ND	5.00	"	1.00			45-80	Low Bias			
1,4-Dichlorobenzene	ND	5.00	"	1.00			42-82	Low Bias			
2,3,4,6-Tetrachlorophenol	ND	5.00	"	1.00			30-130	Low Bias			
2,4,5-Trichlorophenol	ND	5.00	"	1.00			36-112	Low Bias			
2,4,6-Trichlorophenol	ND	5.00	"	1.00			41-107	Low Bias			
2,4-Dichlorophenol	ND	5.00	"	1.00			43-92	Low Bias			
2,4-Dimethylphenol	ND	5.00	"	1.00			25-92	Low Bias			
2,4-Dinitrophenol	ND	5.00	"	1.00			10-149	Low Bias			
2,4-Dinitrotoluene	ND	5.00	"	1.00			41-114	Low Bias			
2,6-Dinitrotoluene	ND	5.00	"	1.00			49-106	Low Bias			
2-Chloronaphthalene	ND	5.00	"	1.00			40-96	Low Bias			
2-Chlorophenol	ND	5.00	"	1.00			35-84	Low Bias			
2-Methylnaphthalene	ND	5.00	"	1.00			33-101	Low Bias			
2-Methylphenol	ND	5.00	"	1.00			10-90	Low Bias			
2-Nitroaniline	ND	5.00	"	1.00			31-122	Low Bias			
2-Nitrophenol	ND	5.00	"	1.00			37-97	Low Bias			
3- & 4-Methylphenols	ND	5.00	"	1.00			10-101	Low Bias			
3,3-Dichlorobenzidine	ND	5.00	"				25-155				
3-Nitroaniline	ND	5.00	"	1.00			29-128	Low Bias			
4,6-Dinitro-2-methylphenol	ND	5.00	"	1.00			10-135	Low Bias			
4-Bromophenyl phenyl ether	ND	5.00	"	1.00			38-116	Low Bias			
4-Chloro-3-methylphenol	ND	5.00	"	1.00			28-101	Low Bias			
4-Chloroaniline	ND	5.00	"	1.00			10-154	Low Bias			
4-Chlorophenyl phenyl ether	ND	5.00	"	1.00			34-112	Low Bias			
4-Nitroaniline	ND	5.00	"	1.00			15-143	Low Bias			
4-Nitrophenol	ND	5.00	"	1.00			10-112	Low Bias			
Acenaphthene	0.760	0.0500	"	1.00		76.0	24-114				
Acenaphthylene	0.760	0.0500	"	1.00		76.0	26-112				
Acetophenone	ND	5.00	"				47-92				
Aniline	ND	5.00	"	1.00			10-107	Low Bias			
Anthracene	0.790	0.0500	"	1.00		79.0	35-114				
Atrazine	ND	0.500	"				43-101				
Benzaldehyde	ND	5.00	"				17-117				
Benzo(a)anthracene	0.810	0.0500	"	1.00		81.0	38-127				
Benzo(a)pyrene	0.850	0.0500	"	1.00		85.0	30-146				
Benzo(b)fluoranthene	0.920	0.0500	"	1.00		92.0	36-145				
Benzo(g,h,i)perylene	0.960	0.0500	"	1.00		96.0	10-163				
Benzo(k)fluoranthene	0.870	0.0500	"	1.00		87.0	16-149				
Benzoic acid	ND	50.0	"				30-130				
Benzyl alcohol	ND	5.00	"	1.00			18-75	Low Bias			
Benzyl butyl phthalate	ND	5.00	"	1.00			28-129	Low Bias			
Bis(2-chloroethoxy)methane	ND	5.00	"	1.00			27-112	Low Bias			
Bis(2-chloroethyl)ether	ND	5.00	"	1.00			24-114	Low Bias			
Bis(2-chloroisopropyl)ether	ND	5.00	"	1.00			21-124	Low Bias			
Bis(2-ethylhexyl)phthalate	1.29	0.500	"	1.00		129	10-171				
Caprolactam	ND	5.00	"				10-29				

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
Batch BC01141 - EPA 3510C											
LCS (BC01141-BS2)								Prepared & Analyzed: 03/19/2020			
Carbazole	ND	5.00	ug/L	1.00			49-116	Low Bias			
Chrysene	0.810	0.0500	"	1.00		81.0	33-120				
Dibenzo(a,h)anthracene	0.960	0.0500	"	1.00		96.0	10-149				
Dibenzofuran	ND	5.00	"	1.00			42-105	Low Bias			
Diethyl phthalate	ND	5.00	"	1.00			38-112	Low Bias			
Dimethyl phthalate	ND	5.00	"	1.00			49-106	Low Bias			
Di-n-butyl phthalate	ND	5.00	"	1.00			36-110	Low Bias			
Di-n-octyl phthalate	ND	5.00	"	1.00			12-149	Low Bias			
Fluoranthene	0.860	0.0500	"	1.00		86.0	33-126				
Fluorene	0.820	0.0500	"	1.00		82.0	28-117				
Hexachlorobenzene	0.640	0.0200	"	1.00		64.0	27-120				
Hexachlorobutadiene	0.720	0.500	"	1.00		72.0	25-106				
Hexachlorocyclopentadiene	ND	5.00	"	1.00			10-99	Low Bias			
Hexachloroethane	0.750	0.500	"	1.00		75.0	33-84				
Indeno(1,2,3-cd)pyrene	0.960	0.0500	"	1.00		96.0	10-150				
Isophorone	ND	5.00	"	1.00			29-115	Low Bias			
Naphthalene	0.800	0.0500	"	1.00		80.0	30-99				
Nitrobenzene	0.950	0.250	"	1.00		95.0	32-113				
N-Nitrosodimethylamine	ND	0.500	"	1.00			10-63	Low Bias			
N-nitroso-di-n-propylamine	ND	5.00	"	1.00			36-118	Low Bias			
N-Nitrosodiphenylamine	ND	5.00	"	1.00			27-145	Low Bias			
Pentachlorophenol	0.840	0.250	"	1.00		84.0	19-127				
Phenanthrene	0.810	0.0500	"	1.00		81.0	31-112				
Phenol	ND	5.00	"	1.00			10-37	Low Bias			
Pyrene	0.800	0.0500	"	1.00		80.0	42-125				
Surrogate: SURR: 2-Fluorophenol	*0.00*		"	*50.0*			*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*0.00*		"	*50.0*			*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*0.00*		"	*25.0*			*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*0.00*		"	*25.0*			*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*0.00*		"	*50.0*			*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*0.00*		"	*25.0*			*30.7-106*				



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
Batch BC01141 - EPA 3510C											
LCS Dup (BC01141-BSD1)							Prepared & Analyzed: 03/19/2020				
1,1-Biphenyl	17.4	5.00	ug/L	25.0		69.5	21-102		28.8	20	Non-dir.
1,2,4,5-Tetrachlorobenzene	24.7	5.00	"	25.2		97.7	28-105		27.8	20	Non-dir.
1,2,4-Trichlorobenzene	23.6	5.00	"	25.0		94.5	35-91	High Bias	10.9	20	
1,2-Dichlorobenzene	18.3	5.00	"	25.0		73.3	42-85		5.36	20	
1,2-Diphenylhydrazine (as Azobenzene)	16.0	5.00	"	25.0		64.1	16-137		6.69	20	
1,3-Dichlorobenzene	18.0	5.00	"	25.0		71.9	45-80		5.04	20	
1,4-Dichlorobenzene	18.2	5.00	"	25.0		72.8	42-82		6.17	20	
2,3,4,6-Tetrachlorophenol	23.9	5.00	"	25.0		95.8	30-130		18.6	20	
2,4,5-Trichlorophenol	21.2	5.00	"	25.0		84.6	36-112		32.8	20	Non-dir.
2,4,6-Trichlorophenol	23.5	5.00	"	25.0		94.0	41-107		30.4	20	Non-dir.
2,4-Dichlorophenol	25.1	5.00	"	25.0		101	43-92	High Bias	9.15	20	
2,4-Dimethylphenol	20.2	5.00	"	25.0		80.8	25-92		5.58	20	
2,4-Dinitrophenol	21.8	5.00	"	25.0		87.2	10-149		13.4	20	
2,4-Dinitrotoluene	24.7	5.00	"	25.0		98.6	41-114		11.7	20	
2,6-Dinitrotoluene	25.0	5.00	"	25.0		99.9	49-106		26.0	20	Non-dir.
2-Chloronaphthalene	19.4	5.00	"	25.0		77.7	40-96		25.9	20	Non-dir.
2-Chlorophenol	17.6	5.00	"	25.0		70.3	35-84		4.40	20	
2-Methylnaphthalene	23.6	5.00	"	25.0		94.5	33-101		6.23	20	
2-Methylphenol	12.4	5.00	"	25.0		49.6	10-90		1.92	20	
2-Nitroaniline	22.5	5.00	"	25.0		89.9	31-122		28.6	20	Non-dir.
2-Nitrophenol	27.0	5.00	"	25.0		108	37-97	High Bias	5.34	20	
3- & 4-Methylphenols	9.79	5.00	"	25.0		39.2	10-101		4.49	20	
3,3-Dichlorobenzidine	20.6	5.00	"	25.0		82.6	25-155		7.64	20	
3-Nitroaniline	18.4	5.00	"	25.0		73.6	29-128		13.6	20	
4,6-Dinitro-2-methylphenol	24.6	5.00	"	25.0		98.4	10-135		8.41	20	
4-Bromophenyl phenyl ether	25.4	5.00	"	25.0		101	38-116		8.89	20	
4-Chloro-3-methylphenol	22.6	5.00	"	25.0		90.3	28-101		4.42	20	
4-Chloroaniline	15.0	5.00	"	25.0		60.0	10-154		16.1	20	
4-Chlorophenyl phenyl ether	24.2	5.00	"	25.0		96.6	34-112		11.5	20	
4-Nitroaniline	19.9	5.00	"	25.0		79.7	15-143		18.6	20	
4-Nitrophenol	7.96	5.00	"	25.0		31.8	10-112		29.4	20	Non-dir.
Acenaphthene	20.3	0.0500	"	25.0		81.4	24-114		6.88	20	
Acenaphthylene	19.6	0.0500	"	25.0		78.6	26-112		17.9	20	
Acetophenone	15.0	5.00	"	25.0		60.2	47-92		4.55	20	
Aniline	7.17	5.00	"	25.0		28.7	10-107		23.0	20	Non-dir.
Anthracene	22.7	0.0500	"	25.0		90.7	35-114		8.81	20	
Atrazine	21.8	0.500	"	25.0		87.3	43-101		10.2	20	
Benzaldehyde	27.8	5.00	"	25.0		111	17-117		52.7	20	Non-dir.
Benzo(a)anthracene	23.4	0.0500	"	25.0		93.8	38-127		6.96	20	
Benzo(a)pyrene	21.2	0.0500	"	25.0		85.0	30-146		41.1	20	Non-dir.
Benzo(b)fluoranthene	21.7	0.0500	"	25.0		86.8	36-145		26.0	20	Non-dir.
Benzo(g,h,i)perylene	25.8	0.0500	"	25.0		103	10-163		0.935	20	
Benzo(k)fluoranthene	20.8	0.0500	"	25.0		83.4	16-149		24.3	20	Non-dir.
Benzoic acid	ND	50.0	"	25.0			30-130	Low Bias		20	
Benzyl alcohol	12.1	5.00	"	25.0		48.6	18-75		1.96	20	
Benzyl butyl phthalate	20.2	5.00	"	25.0		80.6	28-129		14.9	20	
Bis(2-chloroethoxy)methane	18.5	5.00	"	25.0		74.2	27-112		0.966	20	
Bis(2-chloroethyl)ether	15.3	5.00	"	25.0		61.2	24-114		1.81	20	
Bis(2-chloroisopropyl)ether	14.1	5.00	"	25.0		56.2	21-124		2.01	20	
Bis(2-ethylhexyl)phthalate	21.1	0.500	"	25.0		84.2	10-171		12.8	20	
Caprolactam	3.13	5.00	"	25.0		12.5	10-29		7.98	20	

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
Batch BC01141 - EPA 3510C											
LCS Dup (BC01141-BSD1)								Prepared & Analyzed: 03/19/2020			
Carbazole	21.5	5.00	ug/L	25.0		85.9	49-116		11.1	20	
Chrysene	23.4	0.0500	"	25.0		93.8	33-120		6.92	20	
Dibenzo(a,h)anthracene	26.6	0.0500	"	25.0		106	10-149		1.32	20	
Dibenzofuran	22.3	5.00	"	25.0		89.2	42-105		6.00	20	
Diethyl phthalate	20.8	5.00	"	25.0		83.2	38-112		16.9	20	
Dimethyl phthalate	19.8	5.00	"	25.0		79.1	49-106		29.7	20	Non-dir.
Di-n-butyl phthalate	21.5	5.00	"	25.0		86.0	36-110		9.70	20	
Di-n-octyl phthalate	20.1	5.00	"	25.0		80.6	12-149		24.3	20	Non-dir.
Fluoranthene	24.6	0.0500	"	25.0		98.2	33-126		10.9	20	
Fluorene	21.3	0.0500	"	25.0		85.0	28-117		14.6	20	
Hexachlorobenzene	20.5	0.0200	"	25.0		81.9	27-120		5.42	20	
Hexachlorobutadiene	28.1	0.500	"	25.0		112	25-106	High Bias	10.8	20	
Hexachlorocyclopentadiene	18.1	5.00	"	25.0		72.3	10-99		24.2	20	Non-dir.
Hexachloroethane	16.6	0.500	"	25.0		66.3	33-84		4.60	20	
Indeno(1,2,3-cd)pyrene	34.7	0.0500	"	25.0		139	10-150		2.78	20	
Isophorone	19.8	5.00	"	25.0		79.1	29-115		2.04	20	
Naphthalene	20.8	0.0500	"	25.0		83.1	30-99		4.29	20	
Nitrobenzene	19.7	0.250	"	25.0		78.7	32-113		5.91	20	
N-Nitrosodimethylamine	6.15	0.500	"	25.0		24.6	10-63		7.36	20	
N-nitroso-di-n-propylamine	15.4	5.00	"	25.0		61.7	36-118		1.99	20	
N-Nitrosodiphenylamine	22.7	5.00	"	25.0		90.7	27-145		5.20	20	
Pentachlorophenol	18.9	0.250	"	25.0		75.4	19-127		10.8	20	
Phenanthrene	22.5	0.0500	"	25.0		89.8	31-112		9.30	20	
Phenol	6.03	5.00	"	25.0		24.1	10-37		6.11	20	
Pyrene	19.1	0.0500	"	25.0		76.3	42-125		21.8	20	Non-dir.
Surrogate: SURR: 2-Fluorophenol	*19.3*		"	*50.0*		*38.6*	*19.7-63.1*				
Surrogate: SURR: Phenol-d5	*10.4*		"	*50.0*		*20.8*	*10.1-41.7*				
Surrogate: SURR: Nitrobenzene-d5	*20.9*		"	*25.0*		*83.7*	*50.2-113*				
Surrogate: SURR: 2-Fluorobiphenyl	*20.5*		"	*25.0*		*81.9*	*39.9-105*				
Surrogate: SURR: 2,4,6-Tribromophenol	*65.6*		"	*50.0*		*131*	*39.3-151*				
Surrogate: SURR: Terphenyl-d14	*25.1*		"	*25.0*		*101*	*30.7-106*				

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
Batch BC01176 - EPA 3550C											
Blank (BC01176-BLK1)											Prepared: 03/19/2020 Analyzed: 03/20/2020
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	*0.0544*		*"*	*0.0664*		*81.9*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0577*		*"*	*0.0664*		*86.8*	*30-150*				
LCS (BC01176-BS1)											Prepared: 03/19/2020 Analyzed: 03/20/2020
4,4'-DDD	0.0239	0.00164	mg/kg wet	0.0332		71.8	40-140				
4,4'-DDE	0.0244	0.00164	"	0.0332		73.5	40-140				
4,4'-DDT	0.0243	0.00164	"	0.0332		73.0	40-140				
Aldrin	0.0248	0.00164	"	0.0332		74.7	40-140				
alpha-BHC	0.0262	0.00164	"	0.0332		78.9	40-140				
alpha-Chlordane	0.0255	0.00164	"	0.0332		76.9	40-140				
beta-BHC	0.0278	0.00164	"	0.0332		83.6	40-140				
delta-BHC	0.0238	0.00164	"	0.0332		71.8	40-140				
Dieldrin	0.0268	0.00164	"	0.0332		80.8	40-140				
Endosulfan I	0.0273	0.00164	"	0.0332		82.1	40-140				
Endosulfan II	0.0288	0.00164	"	0.0332		86.6	40-140				
Endosulfan sulfate	0.0282	0.00164	"	0.0332		85.0	40-140				
Endrin	0.0264	0.00164	"	0.0332		79.5	40-140				
gamma-BHC (Lindane)	0.0273	0.00164	"	0.0332		82.2	40-140				
Heptachlor	0.0286	0.00164	"	0.0332		86.2	40-140				
Surrogate: Decachlorobiphenyl	*0.0461*		*"*	*0.0664*		*69.4*	*30-150*				
Surrogate: Tetrachloro-m-xylene	*0.0484*		*"*	*0.0664*		*72.8*	*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
Batch Y0C0906 - BA00785											
Performance Mix (Y0C0906-PEM1)							Prepared & Analyzed: 03/08/2020				
4,4'-DDD	4.80		ng/mL	0.00			0-200				
4,4'-DDE	0.964		"	0.00			0-200				
4,4'-DDT	206		"	200		103	0-200				
Endrin	98.0		"	100		98.0	0-200				
Batch Y0C2308 - BC00864											
Performance Mix (Y0C2308-PEM1)							Prepared & Analyzed: 03/20/2020				
4,4'-DDD	8.91		ng/mL	0.00			0-200				
4,4'-DDE	1.71		"	0.00			0-200				
4,4'-DDT	194		"	200		97.0	0-200				
Endrin	99.0		"	100		99.0	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 BC01176 - EPA 3550C											
Blank (BC01176-BLK2)											
Prepared: 03/19/2020 Analyzed: 03/20/2020											
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	*0.0538*		*"*	*0.0664*		*81.0*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0565*		*"*	*0.0664*		*85.0*	*30-140*				
LCS (BC01176-BS2)											
Prepared: 03/19/2020 Analyzed: 03/20/2020											
Aroclor 1016	0.268	0.0166	mg/kg wet	0.332		80.6	40-130				
Aroclor 1260	0.324	0.0166	"	0.332		97.5	40-130				
Surrogate: Tetrachloro-m-xylene	*0.0488*		*"*	*0.0664*		*73.5*	*30-140*				
Surrogate: Decachlorobiphenyl	*0.0522*		*"*	*0.0664*		*78.5*	*30-140*				

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
Batch BC01016 - EPA 3545A											
Blank (BC01016-BLK1)									Prepared: 03/17/2020 Analyzed: 03/18/2020		
Total EPH	ND	49.5	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*4.16*		*"*	*9.90*		*42.0*	*40-140*				
Surrogate: o-Terphenyl	*4.24*		*"*	*9.90*		*42.8*	*40-140*				
LCS (BC01016-BS1)									Prepared: 03/17/2020 Analyzed: 03/18/2020		
Total EPH	78.2	49.5	mg/kg wet	178		43.9	40-140				
Surrogate: 1-Chlorooctadecane	*5.38*		*"*	*9.90*		*54.3*	*40-140*				
Surrogate: o-Terphenyl	*5.24*		*"*	*9.90*		*52.9*	*40-140*				
LCS Dup (BC01016-BSD1)									Prepared: 03/17/2020 Analyzed: 03/18/2020		
Total EPH	85.6	49.5	mg/kg wet	178		48.0	40-140		9.04	30	
Surrogate: 1-Chlorooctadecane	*6.21*		*"*	*9.90*		*62.7*	*40-140*				
Surrogate: o-Terphenyl	*6.17*		*"*	*9.90*		*62.3*	*40-140*				

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
Batch BC00986 - EPA 3050B											
Blank (BC00986-BLK1)											Prepared: 03/17/2020 Analyzed: 03/18/2020
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	"								
Reference (BC00986-SRM1)											Prepared: 03/17/2020 Analyzed: 03/18/2020
Arsenic	131	1.50	mg/kg wet	125		105	69.8-129.6				
Barium	661	2.50	"	529		125	75-125.1				
Beryllium	176	0.050	"	155		114	74.8-125.2				
Cadmium	49.4	0.300	"	37.7		131	74.8-124.9	High Bias			
Chromium	56.7	0.500	"	58.3		97.2	70-130				
Copper	85.1	2.00	"	78.0		109	75-125				
Lead	110	0.500	"	111		99.2	70.9-128.8				
Manganese	322	0.500	"	310		104	74.5-125.2				
Nickel	376	1.00	"	333		113	70-130				
Selenium	244	2.50	"	251		97.3	69.3-131.1				
Silver	26.5	0.500	"	27.2		97.5	67.6-132				
Zinc	359	2.50	"	351		102	69.8-129.9				

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	RPD Limit	Flag
Batch BC01186 - EPA 7473 soil											
Blank (BC01186-BLK1)									Prepared & Analyzed: 03/19/2020		
Mercury	ND	0.0300	mg/kg wet								
Reference (BC01186-SRM1)									Prepared & Analyzed: 03/19/2020		
Mercury	3.3138		mg/kg	3.71		89.3	65-135				

Wet Chemistry 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
Batch BC01014 - Analysis Preparation Soil											
Blank (BC01014-BLK1)									Prepared & Analyzed: 03/17/2020		
Cyanide, total	ND	0.500	mg/kg wet								
Reference (BC01014-SRM1)									Prepared & Analyzed: 03/17/2020		
Cyanide, total	86.9		ug/mL	96.2		90.3	42.41-156.96				
Batch BC01066 - EPA SW846-3060											
Blank (BC01066-BLK1)									Prepared & Analyzed: 03/18/2020		
Chromium, Hexavalent	ND	0.500	mg/kg wet								
Reference (BC01066-SRM1)									Prepared & Analyzed: 03/18/2020		
Chromium, Hexavalent	107		mg/L	124		86.5	33.06-167.74				

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
Batch BC00997 - % Solids Prep											
Duplicate (BC00997-DUP1)	*Source sample: 20C0742-03 (S1 Grab Soil @ 10' VOC)								Prepared & Analyzed: 03/17/2020		
% Solids	82.8	0.100	%		82.7				0.168	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20C0742-01	S1 Grab Water	40mL 01_Clear Vial Cool to 4° C
20C0742-03	S1 Grab Soil @ 10' VOC	2 oz. WM Clear Glass Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
S-08	The recovery of this surrogate was outside of QC limits.
QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
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.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-CRL	The RL check for this element recovered outside of control limits.
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.
CCV-L	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 low.
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.
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).

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.

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

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.

YORK Project No. 2000742

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number / YOUR Project Name	Turn-Around Time
Company: DRJM	Company:	Company:	Wood Haven Auto Body	RUSH - Next Day
Address: CERMO OF Restoration & Construction Administ	Address: Restoration & Construction	Address: CERMO		RUSH - Two Day
Phone.:	Phone.:	Phone.:		RUSH - Three Day
Contact:	Contact:	Contact:		RUSH - Four Day
E-mail:	E-mail: 9174205287	E-mail:	YOUR PO#:	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)

DRJM CERMO

Matrix Codes
- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil | Other

Samples From
- New York
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)
- Summary Report
- QA Report
- NY ASP A Package
- NY ASP B Package
- CT RCP
- CT RCP DQA/DUE
- NJDEP Reduced Deliverables
- NJDKQP
- Standard ExcelEDD
- EQuIS (Standard)
- NYSDEC EQuIS
- NJDEP SRP HazSite
- Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
S1 Grab Soil	3/16/20 @ 10FT		8260 VOC } WATER	2 AMBER 4 VIA's
S1 X2 VOC Soil			8270 SVOC }	
(S1 GRAB WATER SVOC & VOC)			NYSDEC 375 UST NO HERBS + EPH } Soil	1802 2202

Comments: MAIN PIT [ ] Grab & WATER

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: ___

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
	3/16/20	Eric Shafer	3/16/20 5124	Eric Shafer	3/16/20 1951
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				Gab	3/16/2020 1951

Temp. Received at Lab: 1.3 Degrees C

Technical Report

prepared for:

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

Report Date: 03/24/2021
Client Project ID: WOODHAVEN AUTO SHOP QUEENS NEW YORK
York Project (SDG) No.: 21C1005

Report Date: 03/24/2021
Client Project ID: WOODHAVEN AUTO SHOP QUEENS NEW YORK
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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 18, 2021 and listed below. The project was identified as your project: **WOODHAVEN AUTO SHOP QUEENS NEW YORK**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
21C1005-01	PIT Sample COMP	Soil	03/18/2021	03/18/2021
21C1005-02	PIT VOC	Soil	03/18/2021	03/18/2021
21C1005-03	Outside Sample Comp	Soil	03/18/2021	03/18/2021
21C1005-04	Outside Sample VOC	Soil	03/18/2021	03/18/2021

General Notes for York Project (SDG) No.: 21C1005

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: 

Date: 03/24/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: **PIT Sample COMP** **York Sample ID:** **21C1005-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 17:34	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 17:34	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 17:34	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
91-57-6	2-Methylnaphthalene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH

Sample Information

Client Sample ID: PIT Sample COMP

York Sample ID: 21C1005-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
99-09-2	3-Nitroaniline	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
83-32-9	Acenaphthene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
98-86-2	Acetophenone	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
62-53-3	Aniline	ND		ug/kg dry	536	1070	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
120-12-7	**Anthracene**	**160**	J	ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
1912-24-9	Atrazine	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
92-87-5	Benzidine	ND		ug/kg dry	536	1070	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,PADEP	03/23/2021 17:34	KH
56-55-3	**Benzo(a)anthracene**	**475**		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
50-32-8	**Benzo(a)pyrene**	**408**		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
205-99-2	**Benzo(b)fluoranthene**	**368**		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
191-24-2	**Benzo(g,h,i)perylene**	**391**		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
207-08-9	**Benzo(k)fluoranthene**	**291**		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH
65-85-0	Benzoic acid	ND		ug/kg dry	134	267	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 17:34	KH

Sample Information

Client Sample ID: **PIT Sample COMP** **York Sample ID:** **21C1005-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
100-51-6	Benzyl alcohol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
105-60-2	Caprolactam	ND		ug/kg dry	267	534	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
86-74-8	Carbazole	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
218-01-9	**Chrysene**	**421**		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
122-39-4	*** Diphenylamine**	**2080**		ug/kg dry	267	534	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 17:34	KH
206-44-0	**Fluoranthene**	**654**		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
86-73-7	Fluorene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
193-39-5	**Indeno(1,2,3-cd)pyrene**	**321**		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH

Sample Information

Client Sample ID: PIT Sample COMP

York Sample ID: 21C1005-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
78-59-1	Isophorone	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
91-20-3	Naphthalene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
85-01-8	**Phenanthrene**	**507**		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
108-95-2	Phenol	ND		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH
129-00-0	**Pyrene**	**996**		ug/kg dry	134	267	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 17:34	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*48.9 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*52.6 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*65.9 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*57.8 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*69.2 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*85.2 %*	*24-116*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 3546 EPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**10200**		mg/kg dry	1390	25	NJDEP EPH Rev 3.0 Certifications: NJDEP	03/23/2021 07:18	03/24/2021 11:36	SGM

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*89.1 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*73.2 %*	*28.7-124*

Metals, Target Analyte

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: **PIT Sample COMP** **York Sample ID:** **21C1005-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

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
7429-90-5	**Aluminum**	**10600**		mg/kg dry	5.61	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-36-0	Antimony	ND		mg/kg dry	2.81	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-38-2	**Arsenic**	**2.54**		mg/kg dry	1.68	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-39-3	**Barium**	**117**		mg/kg dry	2.81	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-43-9	Cadmium	ND		mg/kg dry	0.337	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-70-2	**Calcium**	**7130**		mg/kg dry	5.61	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-47-3	**Chromium**	**20.4**		mg/kg dry	0.561	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-48-4	**Cobalt**	**10.0**		mg/kg dry	0.449	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-50-8	**Copper**	**24.3**		mg/kg dry	2.24	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-89-6	**Iron**	**18100**		mg/kg dry	28.1	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-92-1	**Lead**	**39.5**		mg/kg dry	0.561	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-95-4	**Magnesium**	**5210**		mg/kg dry	5.61	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7439-96-5	**Manganese**	**320**		mg/kg dry	0.561	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-02-0	**Nickel**	**18.9**		mg/kg dry	1.12	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-09-7	**Potassium**	**3600**	B	mg/kg dry	5.61	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7782-49-2	Selenium	ND		mg/kg dry	2.81	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-22-4	Silver	ND		mg/kg dry	0.561	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-23-5	**Sodium**	**240**		mg/kg dry	56.1	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-28-0	Thallium	ND		mg/kg dry	2.81	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-62-2	**Vanadium**	**29.1**		mg/kg dry	1.12	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			
7440-66-6	**Zinc**	**68.9**		mg/kg dry	2.81	1	EPA 6010D	03/22/2021 16:11	03/24/2021 11:10	WJM
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Sample Information

Client Sample ID: PIT Sample COMP **York Sample ID:** 21C1005-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

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**	**0.130**		mg/kg dry	0.0337	1	EPA 7473	03/23/2021 21:26	03/24/2021 01:51	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,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**	**89.1**		%	0.100	1	SM 2540G	03/22/2021 14:34	03/23/2021 15:08	JAG
							Certifications: CTDOH			

Sample Information

Client Sample ID: PIT VOC **York Sample ID:** 21C1005-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:** **Rep-04, 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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C	03/23/2021 09:00	03/23/2021 12:42	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PIT VOC

York Sample ID: 21C1005-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:** Rep-04, 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
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
123-91-1	1,4-Dioxane	ND		ug/kg dry	5600	11000	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	**Acetone**	**910**	ICV-E, J	ug/kg dry	560	1100	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/kg dry	560	1100	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: PIT VOC

York Sample ID: 21C1005-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:** Rep-04, 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
108-90-7	Chlorobenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-00-3	Chloroethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**1500**		ug/kg dry	560	1100	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	560	1100	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 12:42	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: PIT VOC

York Sample ID: 21C1005-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes: VOA-CONT **Sample Notes:** Rep-04, 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
100-42-5	Styrene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	280	2800	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
98-06-6	tert-Butylbenzene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
127-18-4	Tetrachloroethylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
108-88-3	Toluene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH	03/23/2021 09:00	03/23/2021 12:42	LM
79-01-6	Trichloroethylene	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
75-01-4	Vinyl Chloride	ND		ug/kg dry	280	560	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 12:42	LM
1330-20-7	Xylenes, Total	ND		ug/kg dry	840	1700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2021 09:00	03/23/2021 12:42	LM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.9 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*116 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*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**	**89.2**		%	0.100	1	SM 2540G Certifications: CTDOH	03/22/2021 14:34	03/23/2021 15:08	JAG

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
92-52-4	1,1-Biphenyl	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
95-94-3	1,2,4,5-Tetrachlorobenzene	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 18:04	KH
122-66-7	1,2-Diphenylhydrazine (as Azobenzene)	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 18:04	KH
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,PADEP	03/23/2021 18:04	KH
58-90-2	2,3,4,6-Tetrachlorophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
95-95-4	2,4,5-Trichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
88-06-2	2,4,6-Trichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
120-83-2	2,4-Dichlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
105-67-9	2,4-Dimethylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
51-28-5	2,4-Dinitrophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
121-14-2	2,4-Dinitrotoluene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
606-20-2	2,6-Dinitrotoluene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
91-58-7	2-Chloronaphthalene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
95-57-8	2-Chlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
91-57-6	**2-Methylnaphthalene**	**50.8**	J	ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
95-48-7	2-Methylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
88-74-4	2-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
88-75-5	2-Nitrophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
65794-96-9	3- & 4-Methylphenols	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
91-94-1	3,3-Dichlorobenzidine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
99-09-2	3-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
534-52-1	4,6-Dinitro-2-methylphenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
101-55-3	4-Bromophenyl phenyl ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
59-50-7	4-Chloro-3-methylphenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
106-47-8	4-Chloroaniline	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
7005-72-3	4-Chlorophenyl phenyl ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
100-01-6	4-Nitroaniline	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
100-02-7	4-Nitrophenol	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
83-32-9	Acenaphthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
208-96-8	Acenaphthylene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
98-86-2	Acetophenone	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
62-53-3	Aniline	ND		ug/kg dry	182	363	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
120-12-7	Anthracene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
1912-24-9	Atrazine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
100-52-7	Benzaldehyde	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
92-87-5	Benzidine	ND		ug/kg dry	182	363	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,PADEP	03/23/2021 18:04	KH
56-55-3	Benzo(a)anthracene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
50-32-8	Benzo(a)pyrene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
205-99-2	Benzo(b)fluoranthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
191-24-2	Benzo(g,h,i)perylene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
207-08-9	Benzo(k)fluoranthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 CTDOH,NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
65-85-0	Benzoic acid	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH
100-51-6	Benzyl alcohol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40 NELAC-NY10854,NJDEP,PADEP	03/23/2021 18:04	KH

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
85-68-7	Benzyl butyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-91-1	Bis(2-chloroethoxy)methane	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
111-44-4	Bis(2-chloroethyl)ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
108-60-1	Bis(2-chloroisopropyl)ether	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-81-7	Bis(2-ethylhexyl)phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
105-60-2	Caprolactam	ND		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 NELAC-NY10854,NJDEP,PADEP	KH
86-74-8	Carbazole	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
218-01-9	Chrysene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
53-70-3	Dibenzo(a,h)anthracene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
132-64-9	Dibenzofuran	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-66-2	Diethyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
131-11-3	Dimethyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
84-74-2	Di-n-butyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
117-84-0	Di-n-octyl phthalate	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
122-39-4	*** Diphenylamine**	**2100**		ug/kg dry	90.8	181	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04	KH
206-44-0	Fluoranthene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
86-73-7	Fluorene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 NELAC-NY10854,NJDEP,PADEP	KH
118-74-1	Hexachlorobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
77-47-4	Hexachlorocyclopentadiene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
67-72-1	Hexachloroethane	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH
78-59-1	Isophorone	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications:	03/22/2021 13:40	03/23/2021 18:04 CTDOH,NELAC-NY10854,NJDEP,PADEP	KH

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Semi-Volatiles, 8270 - Comprehensive

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
91-20-3	Naphthalene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
98-95-3	Nitrobenzene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
62-75-9	N-Nitrosodimethylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
621-64-7	N-nitroso-di-n-propylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
86-30-6	N-Nitrosodiphenylamine	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
87-86-5	Pentachlorophenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
85-01-8	Phenanthrene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
108-95-2	Phenol	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH
129-00-0	Pyrene	ND		ug/kg dry	45.5	90.8	2	EPA 8270D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 13:40	03/23/2021 18:04	KH

	Surrogate Recoveries	Result	Acceptance Range
367-12-4	*Surrogate: SURR: 2-Fluorophenol*	*56.5 %*	*20-108*
4165-62-2	*Surrogate: SURR: Phenol-d5*	*63.4 %*	*23-114*
4165-60-0	*Surrogate: SURR: Nitrobenzene-d5*	*79.5 %*	*22-108*
321-60-8	*Surrogate: SURR: 2-Fluorobiphenyl*	*68.7 %*	*21-113*
118-79-6	*Surrogate: SURR: 2,4,6-Tribromophenol*	*77.6 %*	*19-110*
1718-51-0	*Surrogate: SURR: Terphenyl-d14*	*89.5 %*	*24-116*

NJDEP EPH (Cat. 2 Non-Fractionated)

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 3546 EPH

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
	*** Total EPH**	**7680**		mg/kg dry	1330	25	NJDEP EPH Rev 3.0 Certifications: NJDEP	03/23/2021 07:18	03/24/2021 12:05	SGM

	Surrogate Recoveries	Result	Acceptance Range
3386-33-2	*Surrogate: 1-Chlorooctadecane*	*77.5 %*	*31.6-128*
84-15-1	*Surrogate: o-Terphenyl*	*66.5 %*	*28.7-124*

Metals, Target Analyte

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
7429-90-5	**Aluminum**	**13600**		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

Metals, Target Analyte

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
7440-36-0	Antimony	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-38-2	Arsenic	ND		mg/kg dry	1.67	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-39-3	**Barium**	**134**		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-41-7	Beryllium	ND		mg/kg dry	0.056	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-43-9	Cadmium	ND		mg/kg dry	0.334	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-70-2	**Calcium**	**3570**		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-47-3	**Chromium**	**22.5**		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-48-4	**Cobalt**	**12.3**		mg/kg dry	0.445	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-50-8	**Copper**	**20.8**		mg/kg dry	2.23	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7439-89-6	**Iron**	**22400**		mg/kg dry	27.8	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7439-92-1	**Lead**	**15.7**		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7439-95-4	**Magnesium**	**5600**		mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7439-96-5	**Manganese**	**328**		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-02-0	**Nickel**	**18.1**		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-09-7	**Potassium**	**5180**	B	mg/kg dry	5.57	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7782-49-2	Selenium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-22-4	Silver	ND		mg/kg dry	0.557	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-23-5	**Sodium**	**314**		mg/kg dry	55.7	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-28-0	Thallium	ND		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-62-2	**Vanadium**	**32.9**		mg/kg dry	1.11	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM
7440-66-6	**Zinc**	**59.2**		mg/kg dry	2.78	1	EPA 6010D Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP	03/22/2021 16:11	03/24/2021 11:20	WJM

Mercury by 7473

Log-in Notes: **Sample Notes:**

Sample Information

Client Sample ID: **Outside Sample Comp** **York Sample ID:** **21C1005-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 6:00 pm	03/18/2021

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**	**0.116**		mg/kg dry	0.0334	1	EPA 7473	03/23/2021 21:26	03/24/2021 02:00	BML
							Certifications: CTDOH,NJDEP,NELAC-NY10854,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**	**89.8**		%	0.100	1	SM 2540G	03/22/2021 14:34	03/23/2021 15:08	JAG
							Certifications: CTDOH			

Sample Information

Client Sample ID: **Outside Sample VOC** **York Sample ID:** **21C1005-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

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
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C	03/23/2021 09:00	03/23/2021 13:07	LM
								Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: **Outside Sample VOC** **York Sample ID:** **21C1005-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

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
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
123-91-1	1,4-Dioxane	ND		ug/kg dry	5800	12000	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-64-1	Acetone	ND		ug/kg dry	580	1200	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-02-8	Acrolein	ND		ug/kg dry	580	1200	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-13-1	Acrylonitrile	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-43-2	Benzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-97-5	Bromochloromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-27-4	Bromodichloromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-25-2	Bromoform	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-83-9	Bromomethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-15-0	Carbon disulfide	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
56-23-5	Carbon tetrachloride	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-90-7	Chlorobenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Outside Sample VOC** **York Sample ID:** **21C1005-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

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
75-00-3	Chloroethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
67-66-3	Chloroform	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-87-3	Chloromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-82-7	Cyclohexane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
124-48-1	Dibromochloromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
74-95-3	Dibromomethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-41-4	Ethyl Benzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-82-8	Isopropylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	**Methylene chloride**	**1400**		ug/kg dry	580	1200	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	580	1200	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND	Rep-04	ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications:	03/23/2021 09:00	03/23/2021 13:07	LM CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: **Outside Sample VOC** **York Sample ID:** **21C1005-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21C1005	WOODHAVEN AUTO SHOP QUEENS NEW YORK	Soil	March 18, 2021 3:00 pm	03/18/2021

Volatile Organics, 8260 - Comprehensive

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
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	290	2900	100	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
98-06-6	tert-Butylbenzene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
127-18-4	Tetrachloroethylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
108-88-3	Toluene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH	03/23/2021 09:00	03/23/2021 13:07	LM
79-01-6	Trichloroethylene	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
75-01-4	Vinyl Chloride	ND		ug/kg dry	290	580	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	03/23/2021 09:00	03/23/2021 13:07	LM
1330-20-7	Xylenes, Total	ND		ug/kg dry	860	1700	100	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	03/23/2021 09:00	03/23/2021 13:07	LM

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*95.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*112 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*114 %*	*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**	**86.9**		%	0.100	1	SM 2540G Certifications: CTDOH	03/22/2021 14:34	03/23/2021 15:08	JAG

Analytical Batch Summary

Batch ID: BC11290 **Preparation Method:** EPA 3546 SVOA **Prepared By:** MAM

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-01	PIT Sample COMP	03/22/21
21C1005-03	Outside Sample Comp	03/22/21
BC11290-BLK1	Blank	03/22/21
BC11290-BS1	LCS	03/22/21
BC11290-MS1	Matrix Spike	03/22/21
BC11290-MSD1	Matrix Spike Dup	03/22/21

Batch ID: BC11294 **Preparation Method:** % Solids Prep **Prepared By:** JAG

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-01	PIT Sample COMP	03/22/21
21C1005-02	PIT VOC	03/22/21
21C1005-03	Outside Sample Comp	03/22/21
21C1005-04	Outside Sample VOC	03/22/21
BC11294-DUP1	Duplicate	03/22/21

Batch ID: BC11301 **Preparation Method:** EPA 3050B **Prepared By:** SK

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-01	PIT Sample COMP	03/22/21
21C1005-03	Outside Sample Comp	03/22/21
BC11301-BLK1	Blank	03/22/21
BC11301-DUP1	Duplicate	03/22/21
BC11301-MS1	Matrix Spike	03/22/21
BC11301-PS1	Post Spike	03/22/21
BC11301-SRM1	Reference	03/22/21

Batch ID: BC11317 **Preparation Method:** EPA 3546 EPH **Prepared By:** PD

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-01	PIT Sample COMP	03/23/21
21C1005-03	Outside Sample Comp	03/23/21
BC11317-BLK1	Blank	03/23/21
BC11317-BS1	LCS	03/23/21
BC11317-BSD1	LCS Dup	03/23/21
BC11317-DUP1	Duplicate	03/23/21
BC11317-MS1	Matrix Spike	03/23/21

Batch ID: BC11334 **Preparation Method:** EPA 5035A **Prepared By:** LM

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-02	PIT VOC	03/23/21
21C1005-04	Outside Sample VOC	03/23/21

BC11334-BLK1	Blank	03/23/21
BC11334-BLK2	Blank	03/23/21
BC11334-BS1	LCS	03/23/21
BC11334-BSD1	LCS Dup	03/23/21

Batch ID: BC11403 **Preparation Method:** EPA 7473 soil **Prepared By:** BR

YORK Sample ID	Client Sample ID	Preparation Date
21C1005-01	PIT Sample COMP	03/23/21
21C1005-03	Outside Sample Comp	03/23/21
BC11403-BLK1	Blank	03/23/21
BC11403-DUP1	Duplicate	03/23/21
BC11403-MS1	Matrix Spike	03/23/21
BC11403-SRM1	Reference	03/23/21

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
Batch BC11334 - EPA 5035A											
Blank (BC11334-BLK1)											Prepared & Analyzed: 03/23/2021
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								

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 BC11334 - EPA 5035A											
Blank (BC11334-BLK1)											Prepared & Analyzed: 03/23/2021
Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.6*		*"*	*50.0*		*107*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*56.0*		*"*	*50.0*		*112*	*76-130*				
Blank (BC11334-BLK2)											Prepared & Analyzed: 03/23/2021
1,1,1,2-Tetrachloroethane	ND	500	ug/kg wet								
1,1,1-Trichloroethane	ND	500	"								
1,1,2,2-Tetrachloroethane	ND	500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	500	"								
1,1,2-Trichloroethane	ND	500	"								
1,1-Dichloroethane	ND	500	"								
1,1-Dichloroethylene	ND	500	"								
1,2,3-Trichlorobenzene	ND	500	"								
1,2,3-Trichloropropane	ND	500	"								
1,2,4-Trichlorobenzene	ND	500	"								
1,2,4-Trimethylbenzene	ND	500	"								
1,2-Dibromo-3-chloropropane	ND	500	"								
1,2-Dibromoethane	ND	500	"								
1,2-Dichlorobenzene	ND	500	"								
1,2-Dichloroethane	ND	500	"								
1,2-Dichloropropane	ND	500	"								
1,3,5-Trimethylbenzene	ND	500	"								
1,3-Dichlorobenzene	ND	500	"								
1,4-Dichlorobenzene	ND	500	"								
1,4-Dioxane	ND	10000	"								
2-Butanone	ND	500	"								
2-Hexanone	ND	500	"								
4-Methyl-2-pentanone	ND	500	"								
Acetone	ND	1000	"								
Acrolein	ND	1000	"								
Acrylonitrile	ND	500	"								

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 BC11334 - EPA 5035A											
Blank (BC11334-BLK2)											Prepared & Analyzed: 03/23/2021
Benzene	ND	500	ug/kg wet								
Bromochloromethane	ND	500	"								
Bromodichloromethane	ND	500	"								
Bromoform	ND	500	"								
Bromomethane	ND	500	"								
Carbon disulfide	ND	500	"								
Carbon tetrachloride	ND	500	"								
Chlorobenzene	ND	500	"								
Chloroethane	ND	500	"								
Chloroform	ND	500	"								
Chloromethane	ND	500	"								
cis-1,2-Dichloroethylene	ND	500	"								
cis-1,3-Dichloropropylene	ND	500	"								
Cyclohexane	ND	500	"								
Dibromochloromethane	ND	500	"								
Dibromomethane	ND	500	"								
Dichlorodifluoromethane	ND	500	"								
Ethyl Benzene	ND	500	"								
Hexachlorobutadiene	ND	500	"								
Isopropylbenzene	ND	500	"								
Methyl acetate	ND	500	"								
Methyl tert-butyl ether (MTBE)	ND	500	"								
Methylcyclohexane	ND	500	"								
Methylene chloride	ND	1000	"								
n-Butylbenzene	ND	500	"								
n-Propylbenzene	ND	500	"								
o-Xylene	ND	500	"								
p- & m- Xylenes	ND	1000	"								
p-Isopropyltoluene	ND	500	"								
sec-Butylbenzene	ND	500	"								
Styrene	ND	500	"								
tert-Butyl alcohol (TBA)	ND	500	"								
tert-Butylbenzene	ND	500	"								
Tetrachloroethylene	ND	500	"								
Toluene	ND	500	"								
trans-1,2-Dichloroethylene	ND	500	"								
trans-1,3-Dichloropropylene	ND	500	"								
trans-1,4-dichloro-2-butene	ND	500	"								
Trichloroethylene	ND	500	"								
Trichlorofluoromethane	ND	500	"								
Vinyl Chloride	ND	500	"								
Xylenes, Total	ND	1500	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.9*		*ug/L*	*50.0*		*97.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*54.4*		*"*	*50.0*		*109*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*54.5*		*"*	*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
Batch BC11334 - EPA 5035A											
LCS (BC11334-BS1)							Prepared & Analyzed: 03/23/2021				
1,1,1,2-Tetrachloroethane	45		ug/L	50.0		90.4	75-129				
1,1,1-Trichloroethane	43		"	50.0		86.1	71-137				
1,1,2,2-Tetrachloroethane	62		"	50.0		123	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		101	58-146				
1,1,2-Trichloroethane	50		"	50.0		100	83-123				
1,1-Dichloroethane	45		"	50.0		90.5	75-130				
1,1-Dichloroethylene	50		"	50.0		99.9	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		104	81-140				
1,2,3-Trichloropropane	56		"	50.0		112	81-126				
1,2,4-Trichlorobenzene	53		"	50.0		106	80-141				
1,2,4-Trimethylbenzene	56		"	50.0		111	84-125				
1,2-Dibromo-3-chloropropane	52		"	50.0		103	74-142				
1,2-Dibromoethane	51		"	50.0		102	86-123				
1,2-Dichlorobenzene	51		"	50.0		103	85-122				
1,2-Dichloroethane	45		"	50.0		90.7	71-133				
1,2-Dichloropropane	54		"	50.0		108	81-122				
1,3,5-Trimethylbenzene	55		"	50.0		110	82-126				
1,3-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dichlorobenzene	52		"	50.0		104	84-124				
1,4-Dioxane	1100		"	1050		102	10-228				
2-Butanone	43		"	50.0		85.8	58-147				
2-Hexanone	51		"	50.0		102	70-139				
4-Methyl-2-pentanone	52		"	50.0		105	72-132				
Acetone	39		"	50.0		78.1	36-155				
Acrolein	48		"	50.0		95.1	10-238				
Acrylonitrile	44		"	50.0		88.0	66-141				
Benzene	47		"	50.0		94.4	77-127				
Bromochloromethane	51		"	50.0		101	74-129				
Bromodichloromethane	49		"	50.0		98.8	81-124				
Bromoform	45		"	50.0		89.1	80-136				
Bromomethane	50		"	50.0		100	32-177				
Carbon disulfide	46		"	50.0		91.4	10-136				
Carbon tetrachloride	41		"	50.0		81.4	66-143				
Chlorobenzene	47		"	50.0		94.9	86-120				
Chloroethane	50		"	50.0		100	51-142				
Chloroform	46		"	50.0		91.4	76-131				
Chloromethane	46		"	50.0		92.7	49-132				
cis-1,2-Dichloroethylene	48		"	50.0		95.2	74-132				
cis-1,3-Dichloropropylene	51		"	50.0		102	81-129				
Cyclohexane	53		"	50.0		106	70-130				
Dibromochloromethane	47		"	50.0		93.1	10-200				
Dibromomethane	52		"	50.0		104	83-124				
Dichlorodifluoromethane	51		"	50.0		102	28-158				
Ethyl Benzene	52		"	50.0		103	84-125				
Hexachlorobutadiene	51		"	50.0		101	83-133				
Isopropylbenzene	54		"	50.0		108	81-127				
Methyl acetate	39		"	50.0		78.6	41-143				
Methyl tert-butyl ether (MTBE)	41		"	50.0		81.9	74-131				
Methylcyclohexane	50		"	50.0		101	70-130				
Methylene chloride	47		"	50.0		93.5	57-141				

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 BC11334 - EPA 5035A											
LCS (BC11334-BS1)							Prepared & Analyzed: 03/23/2021				
n-Butylbenzene	54		ug/L	50.0		108	80-130				
n-Propylbenzene	58		"	50.0		115	74-136				
o-Xylene	50		"	50.0		99.6	83-123				
p- & m- Xylenes	100		"	100		101	82-128				
p-Isopropyltoluene	54		"	50.0		108	85-125				
sec-Butylbenzene	58		"	50.0		117	83-125				
Styrene	50		"	50.0		99.5	86-126				
tert-Butyl alcohol (TBA)	190		"	250		75.2	70-130				
tert-Butylbenzene	46		"	50.0		92.0	80-127				
Tetrachloroethylene	40		"	50.0		80.6	80-129				
Toluene	52		"	50.0		104	85-121				
trans-1,2-Dichloroethylene	47		"	50.0		94.7	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		96.5	78-132				
trans-1,4-dichloro-2-butene	59		"	50.0		118	75-135				
Trichloroethylene	52		"	50.0		105	84-123				
Trichlorofluoromethane	49		"	50.0		97.1	62-140				
Vinyl Chloride	49		"	50.0		97.3	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.5*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.5*		*"*	*50.0*		*107*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.5*		*"*	*50.0*		*111*	*76-130*				
LCS Dup (BC11334-BSD1)							Prepared & Analyzed: 03/23/2021				
1,1,1,2-Tetrachloroethane	46		ug/L	50.0		92.4	75-129		2.14	30	
1,1,1-Trichloroethane	44		"	50.0		87.4	71-137		1.50	30	
1,1,2,2-Tetrachloroethane	62		"	50.0		124	79-129		0.697	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146		1.24	30	
1,1,2-Trichloroethane	51		"	50.0		102	83-123		2.20	30	
1,1-Dichloroethane	47		"	50.0		93.8	75-130		3.52	30	
1,1-Dichloroethylene	50		"	50.0		100	64-137		0.360	30	
1,2,3-Trichlorobenzene	53		"	50.0		107	81-140		2.26	30	
1,2,3-Trichloropropane	57		"	50.0		115	81-126		2.52	30	
1,2,4-Trichlorobenzene	54		"	50.0		108	80-141		2.30	30	
1,2,4-Trimethylbenzene	57		"	50.0		114	84-125		2.14	30	
1,2-Dibromo-3-chloropropane	51		"	50.0		102	74-142		0.681	30	
1,2-Dibromoethane	51		"	50.0		103	86-123		0.449	30	
1,2-Dichlorobenzene	56		"	50.0		112	85-122		8.77	30	
1,2-Dichloroethane	45		"	50.0		90.4	71-133		0.287	30	
1,2-Dichloropropane	55		"	50.0		109	81-122		1.16	30	
1,3,5-Trimethylbenzene	58		"	50.0		115	82-126		4.10	30	
1,3-Dichlorobenzene	53		"	50.0		105	84-124		1.13	30	
1,4-Dichlorobenzene	53		"	50.0		106	84-124		2.13	30	
1,4-Dioxane	1100		"	1050		103	10-228		0.957	30	
2-Butanone	41		"	50.0		82.0	58-147		4.48	30	
2-Hexanone	50		"	50.0		101	70-139		1.01	30	
4-Methyl-2-pentanone	52		"	50.0		103	72-132		1.35	30	
Acetone	38		"	50.0		76.6	36-155		1.89	30	
Acrolein	46		"	50.0		92.5	10-238		2.73	30	
Acrylonitrile	42		"	50.0		84.3	66-141		4.22	30	
Benzene	48		"	50.0		95.1	77-127		0.717	30	
Bromochloromethane	52		"	50.0		103	74-129		1.74	30	

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 BC11334 - EPA 5035A											
LCS Dup (BC11334-BSD1)								Prepared & Analyzed: 03/23/2021			
Bromodichloromethane	51		ug/L	50.0		102	81-124		3.19	30	
Bromoform	45		"	50.0		90.9	80-136		1.98	30	
Bromomethane	54		"	50.0		108	32-177		7.58	30	
Carbon disulfide	44		"	50.0		88.2	10-136		3.59	30	
Carbon tetrachloride	42		"	50.0		83.7	66-143		2.86	30	
Chlorobenzene	48		"	50.0		96.8	86-120		1.98	30	
Chloroethane	46		"	50.0		92.8	51-142		7.80	30	
Chloroform	47		"	50.0		94.3	76-131		3.06	30	
Chloromethane	46		"	50.0		91.3	49-132		1.50	30	
cis-1,2-Dichloroethylene	47		"	50.0		94.9	74-132		0.294	30	
cis-1,3-Dichloropropylene	52		"	50.0		104	81-129		2.24	30	
Cyclohexane	54		"	50.0		108	70-130		1.42	30	
Dibromochloromethane	47		"	50.0		94.6	10-200		1.64	30	
Dibromomethane	52		"	50.0		105	83-124		0.960	30	
Dichlorodifluoromethane	54		"	50.0		108	28-158		6.13	30	
Ethyl Benzene	52		"	50.0		104	84-125		1.37	30	
Hexachlorobutadiene	52		"	50.0		105	83-133		3.07	30	
Isopropylbenzene	55		"	50.0		110	81-127		2.03	30	
Methyl acetate	37		"	50.0		74.9	41-143		4.82	30	
Methyl tert-butyl ether (MTBE)	41		"	50.0		82.0	74-131		0.0732	30	
Methylcyclohexane	51		"	50.0		103	70-130		1.91	30	
Methylene chloride	47		"	50.0		93.3	57-141		0.214	30	
n-Butylbenzene	56		"	50.0		112	80-130		3.00	30	
n-Propylbenzene	59		"	50.0		118	74-136		2.50	30	
o-Xylene	51		"	50.0		101	83-123		1.51	30	
p- & m- Xylenes	100		"	100		104	82-128		2.48	30	
p-Isopropyltoluene	55		"	50.0		111	85-125		2.36	30	
sec-Butylbenzene	60		"	50.0		120	83-125		3.05	30	
Styrene	51		"	50.0		101	86-126		1.75	30	
tert-Butyl alcohol (TBA)	180		"	250		73.5	70-130		2.34	30	
tert-Butylbenzene	46		"	50.0		92.8	80-127		0.909	30	
Tetrachloroethylene	41		"	50.0		81.7	80-129		1.43	30	
Toluene	53		"	50.0		106	85-121		2.09	30	
trans-1,2-Dichloroethylene	48		"	50.0		95.8	72-132		1.15	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.7	78-132		2.21	30	
trans-1,4-dichloro-2-butene	58		"	50.0		117	75-135		0.903	30	
Trichloroethylene	54		"	50.0		107	84-123		2.30	30	
Trichlorofluoromethane	50		"	50.0		99.2	62-140		2.16	30	
Vinyl Chloride	61		"	50.0		122	52-130		22.2	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.6*		*"*	*50.0*		*99.3*	*77-125*				
Surrogate: SURR: Toluene-d8	*53.6*		*"*	*50.0*		*107*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*55.7*		*"*	*50.0*		*111*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag

Batch BC11290 - EPA 3546 SVOA

Blank (BC11290-BLK1)

Prepared: 03/22/2021 Analyzed: 03/23/2021

1,1-Biphenyl	ND	41.6	ug/kg wet								
1,2,4,5-Tetrachlorobenzene	ND	83.0	"								
1,2,4-Trichlorobenzene	ND	41.6	"								
1,2-Dichlorobenzene	ND	41.6	"								
1,2-Diphenylhydrazine (as Azobenzene)	ND	41.6	"								
1,3-Dichlorobenzene	ND	41.6	"								
1,4-Dichlorobenzene	ND	41.6	"								
2,3,4,6-Tetrachlorophenol	ND	83.0	"								
2,4,5-Trichlorophenol	ND	41.6	"								
2,4,6-Trichlorophenol	ND	41.6	"								
2,4-Dichlorophenol	ND	41.6	"								
2,4-Dimethylphenol	ND	41.6	"								
2,4-Dinitrophenol	ND	83.0	"								
2,4-Dinitrotoluene	ND	41.6	"								
2,6-Dinitrotoluene	ND	41.6	"								
2-Chloronaphthalene	ND	41.6	"								
2-Chlorophenol	ND	41.6	"								
2-Methylnaphthalene	ND	41.6	"								
2-Methylphenol	ND	41.6	"								
2-Nitroaniline	ND	83.0	"								
2-Nitrophenol	ND	41.6	"								
3- & 4-Methylphenols	ND	41.6	"								
3,3-Dichlorobenzidine	ND	41.6	"								
3-Nitroaniline	ND	83.0	"								
4,6-Dinitro-2-methylphenol	ND	83.0	"								
4-Bromophenyl phenyl ether	ND	41.6	"								
4-Chloro-3-methylphenol	ND	41.6	"								
4-Chloroaniline	ND	41.6	"								
4-Chlorophenyl phenyl ether	ND	41.6	"								
4-Nitroaniline	ND	83.0	"								
4-Nitrophenol	ND	83.0	"								
Acenaphthene	ND	41.6	"								
Acenaphthylene	ND	41.6	"								
Acetophenone	ND	41.6	"								
Aniline	ND	166	"								
Anthracene	ND	41.6	"								
Atrazine	ND	41.6	"								
Benzaldehyde	ND	41.6	"								
Benzidine	ND	166	"								
Benzo(a)anthracene	ND	41.6	"								
Benzo(a)pyrene	ND	41.6	"								
Benzo(b)fluoranthene	ND	41.6	"								
Benzo(g,h,i)perylene	ND	41.6	"								
Benzo(k)fluoranthene	ND	41.6	"								
Benzoic acid	ND	41.6	"								
Benzyl alcohol	ND	41.6	"								
Benzyl butyl phthalate	ND	41.6	"								
Bis(2-chloroethoxy)methane	ND	41.6	"								
Bis(2-chloroethyl)ether	ND	41.6	"								
Bis(2-chloroisopropyl)ether	ND	41.6	"								
Bis(2-ethylhexyl)phthalate	ND	41.6	"								

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
Batch BC11290 - EPA 3546 SVOA											
Blank (BC11290-BLK1)											
Prepared: 03/22/2021 Analyzed: 03/23/2021											
Caprolactam	ND	83.0	ug/kg wet								
Carbazole	ND	41.6	"								
Chrysene	ND	41.6	"								
Dibenzo(a,h)anthracene	ND	41.6	"								
Dibenzofuran	ND	41.6	"								
Diethyl phthalate	ND	41.6	"								
Dimethyl phthalate	ND	41.6	"								
Di-n-butyl phthalate	ND	41.6	"								
Di-n-octyl phthalate	ND	41.6	"								
Diphenylamine	ND	83.0	"								
Fluoranthene	ND	41.6	"								
Fluorene	ND	41.6	"								
Hexachlorobenzene	ND	41.6	"								
Hexachlorobutadiene	ND	41.6	"								
Hexachlorocyclopentadiene	ND	41.6	"								
Hexachloroethane	ND	41.6	"								
Indeno(1,2,3-cd)pyrene	ND	41.6	"								
Isophorone	ND	41.6	"								
Naphthalene	ND	41.6	"								
Nitrobenzene	ND	41.6	"								
N-Nitrosodimethylamine	ND	41.6	"								
N-nitroso-di-n-propylamine	ND	41.6	"								
N-Nitrosodiphenylamine	ND	41.6	"								
Pentachlorophenol	ND	41.6	"								
Phenanthrene	ND	41.6	"								
Phenol	ND	41.6	"								
Pyrene	ND	41.6	"								
Surrogate: SURR: 2-Fluorophenol	*1170*		*"*	*1660*		*70.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*985*		*"*	*1660*		*59.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*591*		*"*	*831*		*71.1*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*571*		*"*	*831*		*68.8*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1740*		*"*	*1660*		*105*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*771*		*"*	*831*		*92.8*	*24-116*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BC11290 - EPA 3546 SVOA											
LCS (BC11290-BS1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
1,1-Biphenyl	484	41.6	ug/kg wet	831		58.3	18-111				
1,2,4,5-Tetrachlorobenzene	479	83.0	"	831		57.6	21-131				
1,2,4-Trichlorobenzene	451	41.6	"	831		54.3	10-140				
1,2-Dichlorobenzene	378	41.6	"	831		45.5	34-108				
1,2-Diphenylhydrazine (as Azobenzene)	381	41.6	"	831		45.8	17-137				
1,3-Dichlorobenzene	358	41.6	"	831		43.1	33-110				
1,4-Dichlorobenzene	384	41.6	"	831		46.2	32-104				
2,3,4,6-Tetrachlorophenol	625	83.0	"	831		75.3	30-130				
2,4,5-Trichlorophenol	561	41.6	"	831		67.6	27-118				
2,4,6-Trichlorophenol	601	41.6	"	831		72.4	31-120				
2,4-Dichlorophenol	516	41.6	"	831		62.1	20-127				
2,4-Dimethylphenol	490	41.6	"	831		59.0	14-132				
2,4-Dinitrophenol	219	83.0	"	831		26.4	10-171				
2,4-Dinitrotoluene	600	41.6	"	831		72.3	34-131				
2,6-Dinitrotoluene	575	41.6	"	831		69.3	31-128				
2-Chloronaphthalene	428	41.6	"	831		51.6	31-117				
2-Chlorophenol	409	41.6	"	831		49.3	33-113				
2-Methylnaphthalene	450	41.6	"	831		54.1	12-138				
2-Methylphenol	399	41.6	"	831		48.1	10-136				
2-Nitroaniline	537	83.0	"	831		64.7	27-132				
2-Nitrophenol	571	41.6	"	831		68.7	17-129				
3- & 4-Methylphenols	382	41.6	"	831		46.0	29-103				
3,3-Dichlorobenzidine	931	41.6	"	831		112	22-149				
3-Nitroaniline	490	83.0	"	831		59.0	20-133				
4,6-Dinitro-2-methylphenol	514	83.0	"	831		61.9	10-143				
4-Bromophenyl phenyl ether	497	41.6	"	831		59.8	29-120				
4-Chloro-3-methylphenol	510	41.6	"	831		61.4	24-129				
4-Chloroaniline	290	41.6	"	831		35.0	10-132				
4-Chlorophenyl phenyl ether	505	41.6	"	831		60.8	27-124				
4-Nitroaniline	592	83.0	"	831		71.3	16-128				
4-Nitrophenol	503	83.0	"	831		60.6	10-141				
Acenaphthene	445	41.6	"	831		53.5	30-121				
Acenaphthylene	423	41.6	"	831		51.0	30-115				
Acetophenone	418	41.6	"	831		50.4	20-112				
Aniline	278	166	"	831		33.4	10-119				
Anthracene	502	41.6	"	831		60.4	34-118				
Atrazine	1220	41.6	"	831		147	26-112	High Bias			
Benzaldehyde	4390	41.6	"	831		528	21-100	High Bias			
Benzo(a)anthracene	507	41.6	"	831		61.0	32-122				
Benzo(a)pyrene	538	41.6	"	831		64.8	29-133				
Benzo(b)fluoranthene	532	41.6	"	831		64.0	25-133				
Benzo(g,h,i)perylene	496	41.6	"	831		59.8	10-143				
Benzo(k)fluoranthene	488	41.6	"	831		58.8	25-128				
Benzoic acid	178	41.6	"	831		21.4	10-140				
Benzyl alcohol	408	41.6	"	831		49.2	30-115				
Benzyl butyl phthalate	501	41.6	"	831		60.3	26-126				
Bis(2-chloroethoxy)methane	397	41.6	"	831		47.8	19-132				
Bis(2-chloroethyl)ether	367	41.6	"	831		44.2	19-125				
Bis(2-chloroisopropyl)ether	347	41.6	"	831		41.7	20-135				
Bis(2-ethylhexyl)phthalate	520	41.6	"	831		62.6	10-155				
Caprolactam	613	83.0	"	831		73.8	10-127				

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
Batch BC11290 - EPA 3546 SVOA											
LCS (BC11290-BS1)								Prepared: 03/22/2021 Analyzed: 03/23/2021			
Carbazole	502	41.6	ug/kg wet	831		60.5	35-123				
Chrysene	491	41.6	"	831		59.2	32-123				
Dibenzo(a,h)anthracene	487	41.6	"	831		58.6	10-136				
Dibenzofuran	465	41.6	"	831		56.0	29-121				
Diethyl phthalate	487	41.6	"	831		58.7	34-116				
Dimethyl phthalate	486	41.6	"	831		58.6	35-124				
Di-n-butyl phthalate	510	41.6	"	831		61.4	31-116				
Di-n-octyl phthalate	526	41.6	"	831		63.3	26-136				
Diphenylamine	560	83.0	"	831		67.5	40-140				
Fluoranthene	524	41.6	"	831		63.1	33-122				
Fluorene	475	41.6	"	831		57.2	29-123				
Hexachlorobenzene	432	41.6	"	831		52.0	21-124				
Hexachlorobutadiene	457	41.6	"	831		55.1	10-149				
Hexachlorocyclopentadiene	420	41.6	"	831		50.6	10-129				
Hexachloroethane	350	41.6	"	831		42.2	28-108				
Indeno(1,2,3-cd)pyrene	520	41.6	"	831		62.6	10-135				
Isophorone	393	41.6	"	831		47.3	20-132				
Naphthalene	428	41.6	"	831		51.6	23-124				
Nitrobenzene	406	41.6	"	831		48.8	13-132				
N-Nitrosodimethylamine	319	41.6	"	831		38.4	11-129				
N-nitroso-di-n-propylamine	342	41.6	"	831		41.2	24-119				
N-Nitrosodiphenylamine	542	41.6	"	831		65.2	22-152				
Pentachlorophenol	498	41.6	"	831		59.9	10-139				
Phenanthrene	489	41.6	"	831		58.9	33-123				
Phenol	400	41.6	"	831		48.2	23-115				
Pyrene	503	41.6	"	831		60.5	32-130				
Surrogate: SURR: 2-Fluorophenol	*1030*		*"*	*1660*		*62.2*	*20-108*				
Surrogate: SURR: Phenol-d5	*902*		*"*	*1660*		*54.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*512*		*"*	*831*		*61.6*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*541*		*"*	*831*		*65.1*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1870*		*"*	*1660*		*113*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*650*		*"*	*831*		*78.2*	*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
Batch BC11290 - EPA 3546 SVOA											
Matrix Spike (BC11290-MS1)	*Source sample: 21C0787-03 (Matrix Spike)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
1,1-Biphenyl	425	92.9	ug/kg dry	928	ND	45.8	10-130				
1,2,4,5-Tetrachlorobenzene	428	186	"	928	ND	46.1	10-133				
1,2,4-Trichlorobenzene	409	92.9	"	928	ND	44.1	10-127				
1,2-Dichlorobenzene	331	92.9	"	928	ND	35.7	14-111				
1,2-Diphenylhydrazine (as Azobenzene)	347	92.9	"	928	ND	37.4	10-144				
1,3-Dichlorobenzene	311	92.9	"	928	ND	33.5	11-111				
1,4-Dichlorobenzene	325	92.9	"	928	ND	35.0	10-106				
2,3,4,6-Tetrachlorophenol	614	186	"	928	ND	66.2	30-130				
2,4,5-Trichlorophenol	585	92.9	"	928	ND	63.0	10-127				
2,4,6-Trichlorophenol	563	92.9	"	928	ND	60.6	10-132				
2,4-Dichlorophenol	496	92.9	"	928	ND	53.4	10-128				
2,4-Dimethylphenol	445	92.9	"	928	ND	48.0	10-137				
2,4-Dinitrophenol	443	186	"	928	ND	47.8	10-171				
2,4-Dinitrotoluene	503	92.9	"	928	ND	54.2	16-135				
2,6-Dinitrotoluene	528	92.9	"	928	ND	56.9	18-131				
2-Chloronaphthalene	397	92.9	"	928	ND	42.8	10-129				
2-Chlorophenol	373	92.9	"	928	ND	40.2	15-116				
2-Methylnaphthalene	434	92.9	"	928	ND	46.7	10-147				
2-Methylphenol	356	92.9	"	928	ND	38.3	10-136				
2-Nitroaniline	479	186	"	928	ND	51.6	10-137				
2-Nitrophenol	510	92.9	"	928	ND	55.0	10-129				
3- & 4-Methylphenols	346	92.9	"	928	ND	37.3	10-123				
3,3-Dichlorobenzidine	380	92.9	"	928	ND	41.0	10-155				
3-Nitroaniline	424	186	"	928	ND	45.7	12-133				
4,6-Dinitro-2-methylphenol	453	186	"	928	ND	48.8	10-155				
4-Bromophenyl phenyl ether	464	92.9	"	928	ND	50.0	14-128				
4-Chloro-3-methylphenol	488	92.9	"	928	ND	52.6	10-134				
4-Chloroaniline	287	92.9	"	928	ND	30.9	10-145				
4-Chlorophenyl phenyl ether	448	92.9	"	928	ND	48.3	14-130				
4-Nitroaniline	447	186	"	928	ND	48.2	10-147				
4-Nitrophenol	462	186	"	928	ND	49.8	10-137				
Acenaphthene	470	92.9	"	928	70.3	43.1	10-146				
Acenaphthylene	613	92.9	"	928	192	45.3	10-134				
Acetophenone	353	92.9	"	928	ND	38.1	10-116				
Aniline	235	372	"	928	ND	25.3	10-123				
Anthracene	726	92.9	"	928	283	47.7	10-142				
Atrazine	1010	92.9	"	928	ND	109	19-115				
Benzaldehyde	3800	92.9	"	928	ND	410	10-125	High Bias			
Benzo(a)anthracene	1040	92.9	"	928	746	32.0	10-158				
Benzo(a)pyrene	1030	92.9	"	928	656	40.7	10-180				
Benzo(b)fluoranthene	991	92.9	"	928	613	40.8	10-200				
Benzo(g,h,i)perylene	794	92.9	"	928	425	39.8	10-138				
Benzo(k)fluoranthene	889	92.9	"	928	561	35.3	10-197				
Benzoic acid	620	92.9	"	928	69.6	59.3	10-166				
Benzyl alcohol	344	92.9	"	928	ND	37.1	12-124				
Benzyl butyl phthalate	471	92.9	"	928	ND	50.8	10-154				
Bis(2-chloroethoxy)methane	345	92.9	"	928	ND	37.2	10-132				
Bis(2-chloroethyl)ether	358	92.9	"	928	ND	38.6	10-119				
Bis(2-chloroisopropyl)ether	310	92.9	"	928	ND	33.4	10-139				
Bis(2-ethylhexyl)phthalate	488	92.9	"	928	ND	52.6	10-167				
Caprolactam	491	186	"	928	ND	52.9	10-132				

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
Batch BC11290 - EPA 3546 SVOA											
Matrix Spike (BC11290-MS1)	*Source sample: 21C0787-03 (Matrix Spike)							Prepared: 03/22/2021 Analyzed: 03/23/2021			
Carbazole	497	92.9	ug/kg dry	928	54.8	47.6	10-167				
Chrysene	1090	92.9	"	928	804	31.2	10-156				
Dibenzo(a,h)anthracene	569	92.9	"	928	133	46.9	10-137				
Dibenzofuran	453	92.9	"	928	ND	48.8	10-147				
Diethyl phthalate	423	92.9	"	928	ND	45.6	20-120				
Dimethyl phthalate	419	92.9	"	928	ND	45.2	18-131				
Di-n-butyl phthalate	439	92.9	"	928	ND	47.4	10-137				
Di-n-octyl phthalate	492	92.9	"	928	ND	53.0	10-180				
Diphenylamine	508	186	"	928	ND	54.7	40-140				
Fluoranthene	1870	92.9	"	928	1740	14.4	10-160				
Fluorene	521	92.9	"	928	115	43.7	10-157				
Hexachlorobenzene	406	92.9	"	928	ND	43.8	10-137				
Hexachlorobutadiene	428	92.9	"	928	ND	46.2	10-132				
Hexachlorocyclopentadiene	188	92.9	"	928	ND	20.2	10-106				
Hexachloroethane	324	92.9	"	928	ND	35.0	10-110				
Indeno(1,2,3-cd)pyrene	794	92.9	"	928	451	37.0	10-144				
Isophorone	362	92.9	"	928	ND	39.0	10-132				
Naphthalene	404	92.9	"	928	ND	43.5	10-141				
Nitrobenzene	359	92.9	"	928	ND	38.7	10-131				
N-Nitrosodimethylamine	263	92.9	"	928	ND	28.3	10-126				
N-nitroso-di-n-propylamine	302	92.9	"	928	ND	32.6	10-125				
N-Nitrosodiphenylamine	537	92.9	"	928	ND	57.8	10-177				
Pentachlorophenol	589	92.9	"	928	ND	63.4	10-153				
Phenanthrene	990	92.9	"	928	886	11.2	10-148				
Phenol	373	92.9	"	928	ND	40.2	10-126				
Pyrene	1590	92.9	"	928	1370	24.2	10-165				
Surrogate: SURR: 2-Fluorophenol	*882*		*"*	*1860*		*47.5*	*20-108*				
Surrogate: SURR: Phenol-d5	*840*		*"*	*1860*		*45.3*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*453*		*"*	*928*		*48.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*491*		*"*	*928*		*53.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1710*		*"*	*1860*		*92.3*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*578*		*"*	*928*		*62.3*	*24-116*				

Semivolatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC11290 - EPA 3546 SVOA

Matrix Spike Dup (BC11290-MSD1) *Source sample: 21C0787-03 (Matrix Spike Dup) Prepared: 03/22/2021 Analyzed: 03/23/2021

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1-Biphenyl	387	92.9	ug/kg dry	928	ND	41.7	10-130		9.33	30	
1,2,4,5-Tetrachlorobenzene	400	186	"	928	ND	43.1	10-133		6.64	30	
1,2,4-Trichlorobenzene	379	92.9	"	928	ND	40.8	10-127		7.73	30	
1,2-Dichlorobenzene	307	92.9	"	928	ND	33.0	14-111		7.68	30	
1,2-Diphenylhydrazine (as Azobenzene)	304	92.9	"	928	ND	32.8	10-144		13.0	30	
1,3-Dichlorobenzene	314	92.9	"	928	ND	33.8	11-111		0.950	30	
1,4-Dichlorobenzene	308	92.9	"	928	ND	33.2	10-106		5.39	30	
2,3,4,6-Tetrachlorophenol	519	186	"	928	ND	55.9	30-130		16.8	30	
2,4,5-Trichlorophenol	487	92.9	"	928	ND	52.5	10-127		18.3	30	
2,4,6-Trichlorophenol	521	92.9	"	928	ND	56.2	10-132		7.67	30	
2,4-Dichlorophenol	454	92.9	"	928	ND	49.0	10-128		8.75	30	
2,4-Dimethylphenol	411	92.9	"	928	ND	44.3	10-137		7.97	30	
2,4-Dinitrophenol	298	186	"	928	ND	32.2	10-171		39.0	30	Non-dir.
2,4-Dinitrotoluene	465	92.9	"	928	ND	50.1	16-135		7.98	30	
2,6-Dinitrotoluene	474	92.9	"	928	ND	51.0	18-131		10.8	30	
2-Chloronaphthalene	362	92.9	"	928	ND	39.0	10-129		9.39	30	
2-Chlorophenol	362	92.9	"	928	ND	39.0	15-116		3.03	30	
2-Methylnaphthalene	388	92.9	"	928	ND	41.8	10-147		11.2	30	
2-Methylphenol	356	92.9	"	928	ND	38.3	10-136		0.00	30	
2-Nitroaniline	435	186	"	928	ND	46.9	10-137		9.59	30	
2-Nitrophenol	477	92.9	"	928	ND	51.4	10-129		6.62	30	
3- & 4-Methylphenols	314	92.9	"	928	ND	33.8	10-123		9.67	30	
3,3-Dichlorobenzidine	304	92.9	"	928	ND	32.7	10-155		22.4	30	
3-Nitroaniline	367	186	"	928	ND	39.5	12-133		14.5	30	
4,6-Dinitro-2-methylphenol	371	186	"	928	ND	40.0	10-155		19.8	30	
4-Bromophenyl phenyl ether	416	92.9	"	928	ND	44.9	14-128		10.8	30	
4-Chloro-3-methylphenol	425	92.9	"	928	ND	45.8	10-134		13.7	30	
4-Chloroaniline	269	92.9	"	928	ND	29.0	10-145		6.14	30	
4-Chlorophenyl phenyl ether	400	92.9	"	928	ND	43.1	14-130		11.4	30	
4-Nitroaniline	401	186	"	928	ND	43.2	10-147		10.9	30	
4-Nitrophenol	387	186	"	928	ND	41.7	10-137		17.7	30	
Acenaphthene	408	92.9	"	928	70.3	36.4	10-146		14.0	30	
Acenaphthylene	526	92.9	"	928	192	35.9	10-134		15.4	30	
Acetophenone	338	92.9	"	928	ND	36.4	10-116		4.51	30	
Aniline	210	372	"	928	ND	22.6	10-123		11.0	30	
Anthracene	608	92.9	"	928	283	35.0	10-142		17.7	30	
Atrazine	892	92.9	"	928	ND	96.1	19-115		12.3	30	
Benzaldehyde	3680	92.9	"	928	ND	396	10-125	High Bias	3.41	30	
Benzo(a)anthracene	882	92.9	"	928	746	14.7	10-158		16.7	30	
Benzo(a)pyrene	891	92.9	"	928	656	25.3	10-180		14.9	30	
Benzo(b)fluoranthene	849	92.9	"	928	613	25.5	10-200		15.4	30	
Benzo(g,h,i)perylene	669	92.9	"	928	425	26.3	10-138		17.1	30	
Benzo(k)fluoranthene	738	92.9	"	928	561	19.1	10-197		18.5	30	
Benzoic acid	549	92.9	"	928	69.6	51.7	10-166		12.1	30	
Benzyl alcohol	328	92.9	"	928	ND	35.4	12-124		4.86	30	
Benzyl butyl phthalate	406	92.9	"	928	ND	43.8	10-154		14.9	30	
Bis(2-chloroethoxy)methane	327	92.9	"	928	ND	35.3	10-132		5.30	30	
Bis(2-chloroethyl)ether	338	92.9	"	928	ND	36.4	10-119		5.76	30	
Bis(2-chloroisopropyl)ether	284	92.9	"	928	ND	30.6	10-139		8.50	30	
Bis(2-ethylhexyl)phthalate	420	92.9	"	928	ND	45.3	10-167		14.9	30	
Caprolactam	445	186	"	928	ND	48.0	10-132		9.67	30	

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
Batch BC11290 - EPA 3546 SVOA											
Matrix Spike Dup (BC11290-MSD1)	*Source sample: 21C0787-03 (Matrix Spike Dup)								Prepared: 03/22/2021 Analyzed: 03/23/2021		
Carbazole	420	92.9	ug/kg dry	928	54.8	39.4	10-167		16.7	30	
Chrysene	909	92.9	"	928	804	11.4	10-156		18.3	30	
Dibenzo(a,h)anthracene	495	92.9	"	928	133	39.0	10-137		13.8	30	
Dibenzofuran	388	92.9	"	928	ND	41.8	10-147		15.5	30	
Diethyl phthalate	365	92.9	"	928	ND	39.3	20-120		14.9	30	
Dimethyl phthalate	367	92.9	"	928	ND	39.6	18-131		13.2	30	
Di-n-butyl phthalate	397	92.9	"	928	ND	42.8	10-137		10.1	30	
Di-n-octyl phthalate	432	92.9	"	928	ND	46.6	10-180		13.0	30	
Diphenylamine	452	186	"	928	ND	48.7	40-140		11.6	30	
Fluoranthene	1440	92.9	"	928	1740	NR	10-160	Low Bias	26.5	30	
Fluorene	445	92.9	"	928	115	35.5	10-157		15.8	30	
Hexachlorobenzene	374	92.9	"	928	ND	40.3	10-137		8.18	30	
Hexachlorobutadiene	397	92.9	"	928	ND	42.8	10-132		7.55	30	
Hexachlorocyclopentadiene	130	92.9	"	928	ND	14.0	10-106		36.4	30	Non-dir.
Hexachloroethane	292	92.9	"	928	ND	31.5	10-110		10.3	30	
Indeno(1,2,3-cd)pyrene	704	92.9	"	928	451	27.2	10-144		12.1	30	
Isophorone	327	92.9	"	928	ND	35.3	10-132		9.91	30	
Naphthalene	374	92.9	"	928	ND	40.3	10-141		7.63	30	
Nitrobenzene	330	92.9	"	928	ND	35.5	10-131		8.62	30	
N-Nitrosodimethylamine	254	92.9	"	928	ND	27.4	10-126		3.45	30	
N-nitroso-di-n-propylamine	288	92.9	"	928	ND	31.0	10-125		4.78	30	
N-Nitrosodiphenylamine	467	92.9	"	928	ND	50.3	10-177		13.9	30	
Pentachlorophenol	517	92.9	"	928	ND	55.7	10-153		13.0	30	
Phenanthrene	808	92.9	"	928	886	NR	10-148	Low Bias	20.3	30	
Phenol	347	92.9	"	928	ND	37.4	10-126		7.21	30	
Pyrene	1310	92.9	"	928	1370	NR	10-165	Low Bias	19.3	30	
Surrogate: SURR: 2-Fluorophenol	*805*		*"*	*1860*		*43.4*	*20-108*				
Surrogate: SURR: Phenol-d5	*734*		*"*	*1860*		*39.6*	*23-114*				
Surrogate: SURR: Nitrobenzene-d5	*407*		*"*	*928*		*43.8*	*22-108*				
Surrogate: SURR: 2-Fluorobiphenyl	*399*		*"*	*928*		*43.0*	*21-113*				
Surrogate: SURR: 2,4,6-Tribromophenol	*1350*		*"*	*1860*		*72.7*	*19-110*				
Surrogate: SURR: Terphenyl-d14	*458*		*"*	*928*		*49.4*	*24-116*				

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
Batch BC11317 - EPA 3546 EPH											
Blank (BC11317-BLK1)								Prepared & Analyzed: 03/23/2021			
Total EPH	ND	49.5	mg/kg wet								
Surrogate: 1-Chlorooctadecane	*6.86*		"	*9.90*		*69.3*	*31.6-128*				
Surrogate: o-Terphenyl	*7.03*		"	*9.90*		*71.0*	*28.7-124*				
LCS (BC11317-BS1)								Prepared & Analyzed: 03/23/2021			
Total EPH	98.1	49.5	mg/kg wet	158		61.9	40-140				
Surrogate: 1-Chlorooctadecane	*7.46*		"	*9.90*		*75.3*	*31.6-128*				
Surrogate: o-Terphenyl	*7.36*		"	*9.90*		*74.4*	*28.7-124*				
LCS Dup (BC11317-BSD1)								Prepared & Analyzed: 03/23/2021			
Total EPH	74.4	49.5	mg/kg wet	158		47.0	40-140		27.5	30	
Surrogate: 1-Chlorooctadecane	*5.62*		"	*9.90*		*56.8*	*31.6-128*				
Surrogate: o-Terphenyl	*5.74*		"	*9.90*		*58.0*	*28.7-124*				
Duplicate (BC11317-DUP1)	*Source sample: 21C0882-02 (Duplicate)							Prepared & Analyzed: 03/23/2021			
Total EPH	75.7	57.0	mg/kg dry						200	200	
Surrogate: 1-Chlorooctadecane	*8.08*		"	*11.4*		*70.9*	*31.6-128*				
Surrogate: o-Terphenyl	*7.75*		"	*11.4*		*68.0*	*28.7-124*				
Matrix Spike (BC11317-MS1)	*Source sample: 21C0882-02 (Matrix Spike)							Prepared & Analyzed: 03/23/2021			
Total EPH	173	57.0	mg/kg dry	182		94.8	30-140				
Surrogate: 1-Chlorooctadecane	*6.95*		"	*11.4*		*61.0*	*31.6-128*				
Surrogate: o-Terphenyl	*6.79*		"	*11.4*		*59.6*	*28.7-124*				

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
Batch BC11301 - EPA 3050B											
Blank (BC11301-BLK1)									Prepared: 03/22/2021 Analyzed: 03/24/2021		
Aluminum	ND	5.00	mg/kg wet								
Antimony	ND	2.50	"								
Arsenic	ND	1.50	"								
Barium	ND	2.50	"								
Beryllium	ND	0.050	"								
Cadmium	ND	0.300	"								
Calcium	ND	5.00	"								
Chromium	ND	0.500	"								
Cobalt	ND	0.400	"								
Copper	ND	2.00	"								
Iron	ND	25.0	"								
Lead	ND	0.500	"								
Magnesium	ND	5.00	"								
Manganese	ND	0.500	"								
Nickel	ND	1.00	"								
Potassium	6.83	5.00	"								
Selenium	ND	2.50	"								
Silver	ND	0.500	"								
Sodium	ND	50.0	"								
Thallium	ND	2.50	"								
Vanadium	ND	1.00	"								
Zinc	ND	2.50	"								
Duplicate (BC11301-DUP1)	*Source sample: 21C1005-03 (Outside Sample Comp)								Prepared: 03/22/2021 Analyzed: 03/24/2021		
Aluminum	15400	5.57	mg/kg dry		13600				12.9	35	
Antimony	ND	2.78	"		ND					35	
Arsenic	ND	1.67	"		ND					35	
Barium	165	2.78	"		134				20.4	35	
Beryllium	ND	0.056	"		ND					35	
Cadmium	ND	0.334	"		ND					35	
Calcium	3420	5.57	"		3570				4.25	35	
Chromium	27.9	0.557	"		22.5				21.3	35	
Cobalt	13.6	0.445	"		12.3				10.1	35	
Copper	20.9	2.23	"		20.8				0.570	35	
Iron	24300	27.8	"		22400				7.75	35	
Lead	19.7	0.557	"		15.7				22.5	35	
Magnesium	5790	5.57	"		5600				3.35	35	
Manganese	414	0.557	"		328				23.3	35	
Nickel	20.8	1.11	"		18.1				14.1	35	
Potassium	5710	5.57	"		5180				9.77	35	
Selenium	ND	2.78	"		ND					35	
Silver	ND	0.557	"		ND					35	
Sodium	328	55.7	"		314				4.29	35	
Thallium	ND	2.78	"		ND					35	
Vanadium	38.4	1.11	"		32.9				15.3	35	
Zinc	61.8	2.78	"		59.2				4.33	35	

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
Batch BC11301 - EPA 3050B											
Matrix Spike (BC11301-MS1)	*Source sample: 21C1005-03 (Outside Sample Comp)							Prepared: 03/22/2021 Analyzed: 03/24/2021			
Aluminum	15600	5.57	mg/kg dry	223	13600	933	75-125	High Bias			
Antimony	ND	2.78	"	27.8	ND		75-125	Low Bias			
Arsenic	216	1.67	"	223	ND	96.9	75-125				
Barium	368	2.78	"	223	134	105	75-125				
Beryllium	1.02	0.056	"	5.57	ND	18.2	75-125	Low Bias			
Cadmium	5.68	0.334	"	5.57	ND	102	75-125				
Calcium	3690	5.57	"	111	3570	111	75-125				
Chromium	47.9	0.557	"	22.3	22.5	114	75-125				
Cobalt	68.4	0.445	"	55.7	12.3	101	75-125				
Copper	51.5	2.23	"	27.8	20.8	111	75-125				
Iron	23500	27.8	"	111	22400	986	75-125	High Bias			
Lead	62.1	0.557	"	55.7	15.7	83.2	75-125				
Magnesium	5950	5.57	"	111	5600	313	75-125	High Bias			
Manganese	438	0.557	"	55.7	328	198	75-125	High Bias			
Nickel	74.5	1.11	"	55.7	18.1	101	75-125				
Potassium	5510	5.57	"	111	5180	295	75-125	High Bias			
Selenium	177	2.78	"	223	ND	79.6	75-125				
Silver	ND	0.557	"	5.57	ND		75-125	Low Bias			
Sodium	420	55.7	"	111	314	95.4	75-125				
Thallium	196	2.78	"	223	ND	88.1	75-125				
Vanadium	92.2	1.11	"	55.7	32.9	106	75-125				
Zinc	114	2.78	"	55.7	59.2	97.9	75-125				
Post Spike (BC11301-PS1)	*Source sample: 21C1005-03 (Outside Sample Comp)							Prepared: 03/22/2021 Analyzed: 03/24/2021			
Aluminum	123		ug/mL	2.00	122	37.3	75-125	Low Bias			
Antimony	0.230		"	0.250	-0.042	92.2	75-125				
Arsenic	2.04		"	2.00	0.010	101	75-125				
Barium	3.26		"	2.00	1.21	103	75-125				
Beryllium	0.012		"	0.0500	-0.038	23.6	75-125	Low Bias			
Cadmium	0.053		"	0.0500	0.002	102	75-125				
Calcium	32.7		"	1.00	32.1	59.0	75-125	Low Bias			
Chromium	0.404		"	0.200	0.202	101	75-125				
Cobalt	0.629		"	0.500	0.110	104	75-125				
Copper	0.454		"	0.250	0.186	107	75-125				
Iron	200		"	1.00	202	NR	75-125	Low Bias			
Lead	0.654		"	0.500	0.141	103	75-125				
Magnesium	50.5		"	1.00	50.3	22.6	75-125	Low Bias			
Manganese	3.40		"	0.500	2.94	90.6	75-125				
Nickel	0.675		"	0.500	0.162	103	75-125				
Potassium	47.2		"	1.00	46.5	72.1	75-125	Low Bias			
Selenium	1.70		"	2.00	-0.146	85.0	75-125				
Silver	-0.052		"	0.0500	-0.086		75-125	Low Bias			
Sodium	3.48		"	1.00	2.82	66.5	75-125	Low Bias			
Thallium	1.88		"	2.00	-0.149	93.8	75-125				
Vanadium	0.803		"	0.500	0.296	102	75-125				
Zinc	0.987		"	0.500	0.531	91.2	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
Batch BC11301 - EPA 3050B											
Reference (BC11301-SRM1)											Prepared: 03/22/2021 Analyzed: 03/24/2021
Aluminum	7920	5.00	mg/kg wet	8190		96.8	50.5-150.1				
Antimony	67.8	2.50	"	110		61.6	19-251.7				
Arsenic	148	1.50	"	162		91.3	70.1-129.8				
Barium	127	2.50	"	138		92.1	75-125				
Beryllium	148	0.050	"	157		94.3	75-125.2				
Cadmium	133	0.300	"	135		98.6	74.8-125.2				
Calcium	4280	5.00	"	4790		89.4	72.7-127.5				
Chromium	108	0.500	"	117		92.4	70.1-129.9				
Cobalt	92.3	0.400	"	92.6		99.7	75-125				
Copper	132	2.00	"	143		92.6	75.3-125.3				
Iron	11900	25.0	"	15100		78.8	35.8-164.6				
Lead	66.5	0.500	"	77.6		85.7	70-130				
Magnesium	2090	5.00	"	2320		89.9	61.7-137.8				
Manganese	300	0.500	"	319		94.0	78.1-122				
Nickel	86.2	1.00	"	79.9		108	70.1-130.1				
Potassium	1970	5.00	"	2050		96.2	59.1-140.9				
Selenium	135	2.50	"	172		78.3	55.7-144.5				
Silver	21.4	0.500	"	24.7		86.7	69.2-130.8				
Sodium	105	50.0	"	137		76.4	36.1-163.3				
Thallium	79.2	2.50	"	88.0		90.0	65.3-146.8				
Vanadium	86.8	1.00	"	99.9		86.9	67-133.1				
Zinc	289	2.50	"	312		92.6	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	RPD Limit	Flag
Batch BC11403 - EPA 7473 soil											
Blank (BC11403-BLK1)								Prepared & Analyzed: 03/23/2021			
Mercury	ND	0.0300	mg/kg wet								
Duplicate (BC11403-DUP1)	*Source sample: 21C1005-03 (Outside Sample Comp)							Prepared: 03/23/2021 Analyzed: 03/24/2021			
Mercury	0.111	0.0334	mg/kg dry		0.116				4.62	35	
Matrix Spike (BC11403-MS1)	*Source sample: 21C1005-03 (Outside Sample Comp)							Prepared: 03/23/2021 Analyzed: 03/24/2021			
Mercury	0.544		mg/kg	0.00500	0.104	NR	75-125	High Bias			
Reference (BC11403-SRM1)								Prepared & Analyzed: 03/23/2021			
Mercury	31.462		mg/kg	27.2		116	59.9-140.1				

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
Batch BC11294 - % Solids Prep											
Duplicate (BC11294-DUP1)	*Source sample: 21C1005-04 (Outside Sample VOC)								Prepared: 03/22/2021 Analyzed: 03/23/2021		
% Solids	89.7	0.100	%		86.9				3.13	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21C1005-02	PIT VOC	2 oz. WM Clear Glass Cool to 4° C
21C1005-04	Outside Sample VOC	2 oz. WM Clear Glass Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
S-08	The recovery of this surrogate was outside of QC limits.
Rep-04	The sample was diluted due to the presence of high levels of non-target analytes resulting in elevated reporting limits.
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.
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.
M-SPKM	The spike recovery is not within acceptance windows due to sample non-homogeneity, or matrix interference.
M-ICV2	The recovery for this element in the ICV was outside the 90-110% recovery criteria.
M-BLK	The target analyte was detected above the RL in the batch method blank. All samples showed >10x the concentration in the blank for this analyte. Data are reported.
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.
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).
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).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

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

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.

YORK Project No. 21C1005

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company:	Company: DRTM	Company:	WOODHAVEN AUTO SHOP	RUSH - Next Day
Address: DRTM CERTIFICATION OF RESTORATION	Address: CERTIFICATION OF RESTORATION	Address: RESTORATION	YOUR Project Name QUEENS NEW YORK	RUSH - Two Day
Phone.: RESTORATION #	Phone.: #	Phone.:		RUSH - Three Day
Contact: #	Contact: CONSERVATION	Contact:		RUSH - Four Day
E-mail: CONSERVATION	E-mail: 9176205287	E-mail:	YOUR PO#:	Standard (5-7 Day) X

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)
DRTM CERTIFICATION

Matrix Codes
- S - soil / solid
- GW - groundwater
- DW - drinking water
- WW - wastewater
- O - Oil ⋮ Other

Samples From
- New York X
- New Jersey
- Connecticut
- Pennsylvania
- Other

Report / EDD Type (circle selections)

~~Summary Report~~	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
PIT SAMPLE COMP		3/18/21	SVOC + VOC + METALS EPH	1 8oz
PIT VOC				5 20z
OUTSIDE SAMPLE COMP				
OUTSIDE SAMPLE VOC				

Comments: PID OUTSIDE = 125PPM PID VOC PIT = 500PPM

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: _____

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
	3/18/21		3/18/21 1800		3/18/21 1918
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlackman	3/18/21 1918 3.0 / 3.0 Degrees C