15 January 2021

Mr. Hasan Ahmed
Project Manager
New York State Department of Environmental Conservation
Division of Environmental Remediation
47-40 21st Street
Long Island City, NY 11101

RE: Vacuum Enhanced Fluid Recover Summary Letter
Kings Plaza Shopping Center
Brooklyn, New York
Langan Project No. 140080120
NYSDEC Spill No. 98-15289

Dear Mr. Ahmed:

Langan Engineering, Environmental, Surveying, Landscape Architecture, and Geology, D.P.C. (Langan) was engaged by Brooklyn Kings Plaza LLC (Kings Plaza) to conduct a vacuum enhanced fluid recovery (VEFR) event at the Kings Plaza Shopping Center at 5102, 5120 and 5502 Avenue U in Brooklyn New York (the Subject Property). The VEFR was conducted in general accordance with Phase One of the New York State Department of Environmental Conservation (NYSDEC) approved OU-3 Groundwater Remediation Work Plan, dated February 2020. The purpose of the VEFR event was to reduce concentrations of total volatile organic compounds (VOCs) in groundwater to a concentration below 1 part per million (ppm). Details of the VEFR event and subsequent groundwater monitoring results are presented below.

Vacuum Enhanced Fluid Recovery

Prior to commencing remedial activities, Langan mobilized to the Subject Property to collect a baseline groundwater sample to be analyzed for VOCs via EPA method 8260. On 2 March 2020, Langan collected one groundwater sample from groundwater monitoring well MW-52 in accordance with the procedures defined in the United States United States Environmental Protection Agency (USEPA) Low Stress Purging and Sampling of Groundwater Samples from Monitoring Wells dated July 1996.

Total VOCs were detected in the sample collected from MW-52 on 2 March 2020 at a concentration of 1.095 ppm, consistent with previous groundwater sampling results at that location. Laboratory analytical results are summarized in Table 1. Low flow sampling sheets are provided in Attachment 1 and laboratory analytical reports are included in Attachment 2.

On 24 March, 2020, John FitzPatrick of Langan provided oversight during the completion of the VEFR event. AWT Environmental Services, Inc. (AWT) of Sayreville New Jersey mobilized to the Subject property and applied a vacuum of up to approximately 1,600 cubic feet per minute (CFM) to MW-52 using a vacuum truck for a total of six hours. During the six hour extraction event, the extraction well ran dry eight times. Each time the well was observed to be dry, vacuum activities were paused to allow the well to recharge to approximately 6 feet below ground surface (bgs). Groundwater recharge took approximately 15 minutes. The VEFR event removed approximately 314-gallons of oil and water from the well.

Extracted water and oil was disposed of off-site at Clean Waters of New York as non-hazardous liquid. The waste disposal manifest for the 24 March, 2020 VEFR event is included as Attachment 3.

Post Remediation Groundwater Monitoring

Upon completion of the VEFR, Langan collected groundwater samples from monitoring well MW-52, one week and three months following the extraction event.

Total VOCs were detected in MW-52 on 31 March 2020 and 24 June 2020 at concentrations of 1.534 ppm and 1.298 ppm respectively. Based on the results, Langan believes that the observed increase in the VOC concentration during the 31 March 2020 sampling event is a result of the VEFR mobilizing compounds in the smear zone. The subsequent decrease in the VOC concentration observed during the 24 June 2020 sampling event indicates that attenuation is occurring. Laboratory analytical results are summarized in Table 1. Low flow sampling sheets are provided in Attachment 1 and laboratory analytical reports are included in Attachment 2.

Closing

Based on the increase in total VOCs at MW-52 seven days after the VEFR event and the subsequent decrease over time, we believe that attenuation of impacts is still occurring in groundwater at MW-52 and propose one additional round of groundwater sampling in March 2021, 1 year after the initial VEFR to confirm analytical results. If the March 2021 sampling results show that total VOCs have been reduced below 1 ppm, Langan will provide the results to the NYSDEC and will request closure of Spill No. 98-15289. If the groundwater sample results do not show a decrease in VOC concentrations below 1ppm in March 2021, we will continue to Phase Two of the proposed remediation.

Sincerely,
Langan CT, Inc.

David V. Granucci
Project Engineer

Jamie P. Barr, LEP
Senior Associate/Vice President

Enclosure(s):
Table 1 – Groundwater Sampling Results
Attachment 1 – Laboratory Analytical Results
Attachment 2 – Field Logs
Attachment 3 – Waste Disposal Manifest

cc: Aladdin Ghafari - Macerich

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TABLE 1 – Groundwater Sampling Results

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Table 1
OU-3 Spill Closure Groundwater Results Table
Kings Plaza Shopping Center
Brooklyn, New York
Langan Project No.: 140080120

Well ID Sample ID York ID Sampling Date	NYSDEC TOGS Standards and Guidance Values - GA	MW-52 MW-52_2020.03.02 20C0104-01 3/2/2020 0:00		MW-52 MW-52_2020.03.31 20C1238-01 3/31/2020		MW-52 MW-52_2020.06.24 20F0952-01 6/24/2020	
Compound		Result	Q	Result	Q	Result	Q
Volatile Organic Compounds (µg/L)	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		10		5		5	
Acetone	50	**18.6**	JD	5	U	**7.1**	JBD
Benzene	1	**8.7**	D	**8.05**	D	**6.25**	D
Cyclohexane	~	**55.9**	D	**229**	D	**162**	D
Ethyl Benzene	5	**10.7**	D	**15.4**	D	**10.6**	D
Isopropylbenzene	5	**189**	D	**240**	D	**202**	D
Methylcyclohexane	~	**76.3**	D	**203**	D	**94.4**	D
n-Butylbenzene	5	**28.8**	D	**39**	D	**44**	D
n-Propylbenzene	5	**589**	D	**706**	D	**688**	D
o-Xylene	5	**3.7**	JD	**4.55**	D	**3.65**	D
p- & m- Xylenes	5	**5**	U	**4.5**	JD	**3.6**	JD
sec-Butylbenzene	5	**25.6**	D	**37.5**	D	**30.2**	D
Toluene	5	**4**	JD	**3.95**	D	**2.85**	D
Xylenes, Total	5	**7.2**	JD	**9.05**	D	**7.25**	JD
Total VOCs		1,095.5		1,534.5		1,298.4	

Notes:

1. Groundwater samples analytical results are compared to the New York State Department of Environmental Conservation (NYSDEC) Technical and Operational Guidance Series (TOGS) 1.1.1 Ambient Water Quality Standards (AWQS) and guidance values for drinking water (class GA) .
2. Only compounds with detections are shown in the table.
3. Detections are shown in bold.
4. Results exceeding NYSDEC TOGS are shaded.

µg/L = micrograms per liter
D=result is from an analysis that required a dilution
J=analyte detected at or above the MDL (method detection limit) but below the RL (Reporting Limit) - data is estimated
U=analyte not detected at or above the level indicated
B=analyte found in the analysis batch blank
E=result is estimated and cannot be accurately reported due to levels encountered or interferences
P=this flag is used for pesticide and PCB (Aroclor) target compounds when there is a % difference for detected concentrations that exceed method dictated limits between the two GC columns used for analysis
NT=this indicates the analyte was not a target for this sample
~=this indicates that no regulatory limit has been established for this analyte

ATTACHMENT 1

Laboratory Analytical Reports

LANGAN

Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

Report Date: 03/10/2020
Client Project ID: 140080121
York Project (SDG) No.: 20C0104

Report Date: 03/10/2020
Client Project ID: 140080121
York Project (SDG) No.: 20C0104

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

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 03, 2020 and listed below. The project was identified as your project: **140080121**.

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
20C0104-01	MW-52_2020.03.02	Water	03/02/2020	03/03/2020
20C0104-02	Trip Blank	Water	03/02/2020	03/03/2020

General Notes for York Project (SDG) No.: 20C0104

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: 03/10/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

Volatiles, 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	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	400	800	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	**Acetone**	**18.6**	CCV-E	ug/L	10.0	20.0	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**8.70**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**55.9**	ICV-E, QL-02	ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

Volatiles, 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
100-41-4	**Ethyl Benzene**	**10.7**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**189**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**76.3**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	10.0	20.0	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**28.8**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**589**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**3.70**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	5.00	10.0	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**25.6**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	5.00	10.0	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**4.00**		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	2.00	5.00	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**7.20**		ug/L	6.00	15.0	10	EPA 8260C	03/09/2020 06:12	03/10/2020 10:22	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*84.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*106 %*	*79-122*

Polychlorinated Biphenyls (PCB)

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

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
12674-11-2	Aroclor 1016	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11104-28-2	Aroclor 1221	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11141-16-5	Aroclor 1232	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
53469-21-9	Aroclor 1242	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
12672-29-6	Aroclor 1248	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11097-69-1	Aroclor 1254	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
11096-82-5	Aroclor 1260	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:	NELAC-NY10854,CTDOH,NJDEP,PADEP		
1336-36-3	* Total PCBs	ND		ug/L	0.0500	1	EPA 8082A	03/05/2020 08:31	03/05/2020 19:05	BJ
							Certifications:			

	Surrogate Recoveries	Result	Acceptance Range
877-09-8	*Surrogate: Tetrachloro-m-xylene*	*57.0 %*	*30-120*
2051-24-3	*Surrogate: Decachlorobiphenyl*	*45.5 %*	*30-120*

Aluminum by EPA 6010

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**	**0.100**		mg/L	0.0556	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Cobalt by EPA 6010

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

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

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
7440-48-4	Cobalt	ND		mg/L	0.00444	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Copper by EPA 6010

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
7440-50-8	Copper	ND		mg/L	0.0222	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Iron by EPA 6010

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
7439-89-6	**Iron**	**3.90**		mg/L	0.278	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Metals, RCRA

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
7440-38-2	Arsenic	ND		mg/L	0.017	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-39-3	Barium	ND		mg/L	0.028	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-43-9	Cadmium	ND		mg/L	0.003	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7440-47-3	Chromium	ND		mg/L	0.006	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7439-92-1	Lead	ND		mg/L	0.006	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		
7782-49-2	* Selenium	ND		mg/L	0.028	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH		
7440-22-4	Silver	ND		mg/L	0.006	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Nickel by EPA 6010

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
7440-02-0	Nickel	ND		mg/L	0.0111	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications:	CTDOH,NELAC-NY10854,NJDEP,PADEP		

Zinc by EPA 6010

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

Sample Information

Client Sample ID: MW-52_2020.03.02 **York Sample ID:** 20C0104-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 3:20 pm	03/03/2020

Zinc by EPA 6010

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
7440-66-6	Zinc	ND		mg/L	0.0278	1	EPA 6010D	03/05/2020 16:28	03/10/2020 12:02	KML
							Certifications: CTDOH,NELAC-NY10854,NJDEP,PADEP			

Mercury by 7473

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

Sample Prepared by Method: EPA 7473 water

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
7439-97-6	**Mercury**	**0.00027**		mg/L	0.00020	1	EPA 7473	03/04/2020 10:51	03/04/2020 14:49	SY
							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**	**7.06**	HT-pH	pH units	0.500	1	SM 4500 H+B	03/04/2020 08:51	03/04/2020 10:20	TJM
							Certifications: CTDOH			

Flashpoint

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
	* Flashpoint	> 200		°F	50.0	1	EPA 1010A	03/05/2020 11:14	03/05/2020 14:46	TAJ
							Certifications:			

Total Solids (Aq)

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
	Total Solids	**252**		mg/L	10.0	1	SM 2540B	03/09/2020 16:24	03/09/2020 16:24	AA
							Certifications: NELAC-NY10854,CTDOH,NJDEP,PADEP			

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20C0104-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 12:00 am	03/03/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20C0104-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 12:00 am	03/03/2020

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20C0104-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 12:00 am	03/03/2020

Volatiles, 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
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	**Methylene chloride**	**4.18**		ug/L	1.00	2.00	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20C0104-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C0104	140080121	Water	March 2, 2020 12:00 am	03/03/2020

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	03/05/2020 19:12	03/09/2020 22:16	LLJ
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*87.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.9 %*	*79-122*

Analytical Batch Summary

Batch ID: BC00173 **Preparation Method:** Analysis Preparation **Prepared By:** TJM

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/04/20

Batch ID: BC00196 **Preparation Method:** EPA 7473 water **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/04/20
BC00196-BLK1	Blank	03/04/20
BC00196-SRM1	Reference	03/04/20

Batch ID: BC00244 **Preparation Method:** EPA SW846-3510C Low Level **Prepared By:** NT

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/05/20
BC00244-BLK2	Blank	03/05/20
BC00244-BS2	LCS	03/05/20
BC00244-BSD2	LCS Dup	03/05/20

Batch ID: BC00279 **Preparation Method:** Analysis Preparation **Prepared By:** TAJ

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/05/20
BC00279-SRM1	Reference	03/05/20

Batch ID: BC00310 **Preparation Method:** EPA 3015A **Prepared By:** SY

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/05/20
BC00310-BLK1	Blank	03/05/20
BC00310-BS1	LCS	03/05/20

Batch ID: BC00473 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-02	Trip Blank	03/05/20
BC00473-BLK1	Blank	03/09/20
BC00473-BS1	LCS	03/09/20
BC00473-BSD1	LCS Dup	03/09/20

Batch ID: BC00475 **Preparation Method:** EPA 5030B **Prepared By:** LLJ

YORK Sample ID	Client Sample ID	Preparation Date

20C0104-01	MW-52_2020.03.02	03/09/20
BC00475-BLK1	Blank	03/09/20
BC00475-BS1	LCS	03/09/20
BC00475-BSD1	LCS Dup	03/09/20

Batch ID: BC00492 **Preparation Method:** % Solids Prep **Prepared By:** AA

YORK Sample ID	Client Sample ID	Preparation Date
20C0104-01	MW-52_2020.03.02	03/09/20
BC00492-BLK1	Blank	03/09/20

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 BC00473 - EPA 5030B											
Blank (BC00473-BLK1) Blank									Prepared & Analyzed: 03/09/2020		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

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 BC00473 - EPA 5030B											
Blank (BC00473-BLK1) Blank								Prepared & Analyzed: 03/09/2020			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.27*		*"*	*10.0*		*92.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.92*		*"*	*10.0*		*99.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				
LCS (BC00473-BS1) LCS								Prepared & Analyzed: 03/09/2020			
1,1,1,2-Tetrachloroethane	10.6		ug/L	10.0		106	82-126				
1,1,1-Trichloroethane	10.1		"	10.0		101	78-136				
1,1,2,2-Tetrachloroethane	11.5		"	10.0		115	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.2		"	10.0		112	54-165				
1,1,2-Trichloroethane	10.0		"	10.0		100	82-123				
1,1-Dichloroethane	10.2		"	10.0		102	82-129				
1,1-Dichloroethylene	9.30		"	10.0		93.0	68-138				
1,2,3-Trichlorobenzene	9.84		"	10.0		98.4	76-136				
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128				
1,2,4-Trichlorobenzene	9.73		"	10.0		97.3	76-137				
1,2,4-Trimethylbenzene	10.5		"	10.0		105	82-132				
1,2-Dibromo-3-chloropropane	10.8		"	10.0		108	45-147				
1,2-Dibromoethane	9.79		"	10.0		97.9	83-124				
1,2-Dichlorobenzene	10.2		"	10.0		102	79-123				
1,2-Dichloroethane	9.06		"	10.0		90.6	73-132				
1,2-Dichloropropane	10.1		"	10.0		101	78-126				
1,3,5-Trimethylbenzene	10.6		"	10.0		106	80-131				
1,3-Dichlorobenzene	10.3		"	10.0		103	86-122				
1,4-Dichlorobenzene	10.3		"	10.0		103	85-124				
1,4-Dioxane	235		"	210		112	10-349				
2-Butanone	12.0		"	10.0		120	49-152				
2-Hexanone	11.3		"	10.0		113	51-146				
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145				
Acetone	10.1		"	10.0		101	14-150				
Acrolein	7.06		"	100		7.06	10-153	Low Bias			
Acrylonitrile	8.24		"	10.0		82.4	51-150				
Benzene	10.0		"	10.0		100	85-126				
Bromochloromethane	11.5		"	10.0		115	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				

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 BC00473 - EPA 5030B											
LCS (BC00473-BS1) LCS							Prepared & Analyzed: 03/09/2020				
Bromoform	10.1		ug/L	10.0		101	78-133				
Bromomethane	14.0		"	10.0		140	43-168				
Carbon disulfide	11.1		"	10.0		111	68-146				
Carbon tetrachloride	11.2		"	10.0		112	77-141				
Chlorobenzene	9.72		"	10.0		97.2	88-120				
Chloroethane	9.01		"	10.0		90.1	65-136				
Chloroform	9.97		"	10.0		99.7	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	10.1		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	10.9		"	10.0		109	80-131				
Cyclohexane	4.59		"	10.0		45.9	63-149	Low Bias			
Dibromochloromethane	10.8		"	10.0		108	80-130				
Dibromomethane	10.1		"	10.0		101	72-134				
Dichlorodifluoromethane	10.1		"	10.0		101	44-144				
Ethyl Benzene	9.74		"	10.0		97.4	80-131				
Hexachlorobutadiene	9.57		"	10.0		95.7	67-146				
Isopropylbenzene	10.6		"	10.0		106	76-140				
Methyl acetate	10.1		"	10.0		101	51-139				
Methyl tert-butyl ether (MTBE)	11.3		"	10.0		113	76-135				
Methylcyclohexane	10.9		"	10.0		109	72-143				
Methylene chloride	10.4		"	10.0		104	55-137				
n-Butylbenzene	10.1		"	10.0		101	79-132				
n-Propylbenzene	10.5		"	10.0		105	78-133				
o-Xylene	9.59		"	10.0		95.9	78-130				
p- & m- Xylenes	19.0		"	20.0		94.9	77-133				
p-Isopropyltoluene	10.4		"	10.0		104	81-136				
sec-Butylbenzene	10.9		"	10.0		109	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	30.5		"	50.0		61.0	25-162				
tert-Butylbenzene	9.12		"	10.0		91.2	77-138				
Tetrachloroethylene	8.41		"	10.0		84.1	82-131				
Toluene	9.74		"	10.0		97.4	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	10.2		"	10.0		102	78-131				
Trichloroethylene	9.22		"	10.0		92.2	82-128				
Trichlorofluoromethane	10.1		"	10.0		101	67-139				
Vinyl Chloride	10.3		"	10.0		103	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.88*		*"*	*10.0*		*88.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*"*	*10.0*		*106*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Batch BC00473 - EPA 5030B

LCS Dup (BC00473-BSD1) LCS Dup — Prepared & Analyzed: 03/09/2020

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	7.95		ug/L	10.0		79.5	82-126	Low Bias	28.9	30	
1,1,1-Trichloroethane	7.47		"	10.0		74.7	78-136	Low Bias	30.1	30	Non-dir.
1,1,2,2-Tetrachloroethane	10.4		"	10.0		104	76-129		10.7	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		9.84	30	
1,1,2-Trichloroethane	9.40		"	10.0		94.0	82-123		6.29	30	
1,1-Dichloroethane	9.07		"	10.0		90.7	82-129		11.6	30	
1,1-Dichloroethylene	10.6		"	10.0		106	68-138		13.1	30	
1,2,3-Trichlorobenzene	9.44		"	10.0		94.4	76-136		4.15	30	
1,2,3-Trichloropropane	10.5		"	10.0		105	77-128		6.62	30	
1,2,4-Trichlorobenzene	9.12		"	10.0		91.2	76-137		6.47	30	
1,2,4-Trimethylbenzene	9.70		"	10.0		97.0	82-132		7.92	30	
1,2-Dibromo-3-chloropropane	7.05		"	10.0		70.5	45-147		42.3	30	Non-dir.
1,2-Dibromoethane	8.41		"	10.0		84.1	83-124		15.2	30	
1,2-Dichlorobenzene	9.66		"	10.0		96.6	79-123		5.34	30	
1,2-Dichloroethane	8.55		"	10.0		85.5	73-132		5.79	30	
1,2-Dichloropropane	9.31		"	10.0		93.1	78-126		8.44	30	
1,3,5-Trimethylbenzene	9.92		"	10.0		99.2	80-131		6.34	30	
1,3-Dichlorobenzene	9.51		"	10.0		95.1	86-122		7.68	30	
1,4-Dichlorobenzene	9.63		"	10.0		96.3	85-124		6.53	30	
1,4-Dioxane	234		"	210		111	10-349		0.623	30	
2-Butanone	10.8		"	10.0		108	49-152		10.3	30	
2-Hexanone	10.6		"	10.0		106	51-146		6.50	30	
4-Methyl-2-pentanone	9.48		"	10.0		94.8	57-145		7.81	30	
Acetone	12.6		"	10.0		126	14-150		22.7	30	
Acrolein	14.7		"	100		14.7	10-153		70.3	30	Non-dir.
Acrylonitrile	5.04		"	10.0		50.4	51-150	Low Bias	48.2	30	Non-dir.
Benzene	9.42		"	10.0		94.2	85-126		6.27	30	
Bromochloromethane	10.1		"	10.0		101	77-128		13.2	30	
Bromodichloromethane	8.54		"	10.0		85.4	79-128		21.7	30	
Bromoform	7.98		"	10.0		79.8	78-133		23.5	30	
Bromomethane	11.0		"	10.0		110	43-168		23.9	30	
Carbon disulfide	10.2		"	10.0		102	68-146		9.30	30	
Carbon tetrachloride	4.82		"	10.0		48.2	77-141	Low Bias	79.3	30	Non-dir.
Chlorobenzene	9.41		"	10.0		94.1	88-120		3.24	30	
Chloroethane	6.89		"	10.0		68.9	65-136		26.7	30	
Chloroform	9.25		"	10.0		92.5	82-128		7.49	30	
Chloromethane	8.05		"	10.0		80.5	43-155		23.9	30	
cis-1,2-Dichloroethylene	8.64		"	10.0		86.4	83-129		15.7	30	
cis-1,3-Dichloropropylene	7.88		"	10.0		78.8	80-131	Low Bias	31.9	30	Non-dir.
Cyclohexane	4.26		"	10.0		42.6	63-149	Low Bias	7.46	30	
Dibromochloromethane	8.39		"	10.0		83.9	80-130		25.3	30	
Dibromomethane	9.26		"	10.0		92.6	72-134		9.07	30	
Dichlorodifluoromethane	9.02		"	10.0		90.2	44-144		11.3	30	
Ethyl Benzene	9.27		"	10.0		92.7	80-131		4.94	30	
Hexachlorobutadiene	9.06		"	10.0		90.6	67-146		5.48	30	
Isopropylbenzene	9.72		"	10.0		97.2	76-140		8.66	30	
Methyl acetate	9.54		"	10.0		95.4	51-139		5.80	30	
Methyl tert-butyl ether (MTBE)	4.93		"	10.0		49.3	76-135	Low Bias	78.6	30	Non-dir.
Methylcyclohexane	10.3		"	10.0		103	72-143		5.19	30	
Methylene chloride	9.32		"	10.0		93.2	55-137		10.9	30	
n-Butylbenzene	9.58		"	10.0		95.8	79-132		5.38	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 BC00473 - EPA 5030B											
LCS Dup (BC00473-BSD1) LCS Dup								Prepared & Analyzed: 03/09/2020			
n-Propylbenzene	9.64		ug/L	10.0		96.4	78-133		8.16	30	
o-Xylene	9.10		"	10.0		91.0	78-130		5.24	30	
p- & m- Xylenes	18.1		"	20.0		90.3	77-133		4.97	30	
p-Isopropyltoluene	9.77		"	10.0		97.7	81-136		6.44	30	
sec-Butylbenzene	10.2		"	10.0		102	79-137		6.34	30	
Styrene	9.51		"	10.0		95.1	67-132		5.52	30	
tert-Butyl alcohol (TBA)	26.2		"	50.0		52.5	25-162		15.1	30	
tert-Butylbenzene	8.55		"	10.0		85.5	77-138		6.45	30	
Tetrachloroethylene	8.25		"	10.0		82.5	82-131		1.92	30	
Toluene	9.35		"	10.0		93.5	80-127		4.09	30	
trans-1,2-Dichloroethylene	9.47		"	10.0		94.7	80-132		5.44	30	
trans-1,3-Dichloropropylene	6.87		"	10.0		68.7	78-131	Low Bias	39.3	30	Non-dir.
Trichloroethylene	8.62		"	10.0		86.2	82-128		6.73	30	
Trichlorofluoromethane	8.84		"	10.0		88.4	67-139		13.0	30	
Vinyl Chloride	8.81		"	10.0		88.1	58-145		15.6	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.77*		*"*	*10.0*		*87.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.3*		*"*	*10.0*		*103*	*79-122*				
Batch BC00475 - EPA 5030B											
Blank (BC00475-BLK1) Blank								Prepared: 03/09/2020 Analyzed: 03/10/2020			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

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 BC00475 - EPA 5030B											
Blank (BC00475-BLK1) Blank									Prepared: 03/09/2020 Analyzed: 03/10/2020		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.88*		*"*	*10.0*		*88.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*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 BC00475 - EPA 5030B											
LCS (BC00475-BS1) LCS								Prepared: 03/09/2020 Analyzed: 03/10/2020			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126				
1,1,1-Trichloroethane	9.98		"	10.0		99.8	78-136				
1,1,2,2-Tetrachloroethane	10.7		"	10.0		107	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.7		"	10.0		107	54-165				
1,1,2-Trichloroethane	9.52		"	10.0		95.2	82-123				
1,1-Dichloroethane	10.1		"	10.0		101	82-129				
1,1-Dichloroethylene	8.85		"	10.0		88.5	68-138				
1,2,3-Trichlorobenzene	10.0		"	10.0		100	76-136				
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128				
1,2,4-Trichlorobenzene	9.43		"	10.0		94.3	76-137				
1,2,4-Trimethylbenzene	9.64		"	10.0		96.4	82-132				
1,2-Dibromo-3-chloropropane	9.21		"	10.0		92.1	45-147				
1,2-Dibromoethane	9.72		"	10.0		97.2	83-124				
1,2-Dichlorobenzene	9.63		"	10.0		96.3	79-123				
1,2-Dichloroethane	8.71		"	10.0		87.1	73-132				
1,2-Dichloropropane	10.0		"	10.0		100	78-126				
1,3,5-Trimethylbenzene	9.89		"	10.0		98.9	80-131				
1,3-Dichlorobenzene	9.55		"	10.0		95.5	86-122				
1,4-Dichlorobenzene	9.62		"	10.0		96.2	85-124				
1,4-Dioxane	319		"	210		152	10-349				
2-Butanone	12.2		"	10.0		122	49-152				
2-Hexanone	10.9		"	10.0		109	51-146				
4-Methyl-2-pentanone	9.95		"	10.0		99.5	57-145				
Acetone	9.54		"	10.0		95.4	14-150				
Acrolein	6.46		"	100		6.46	10-153	Low Bias			
Acrylonitrile	9.28		"	10.0		92.8	51-150				
Benzene	10.2		"	10.0		102	85-126				
Bromochloromethane	11.1		"	10.0		111	77-128				
Bromodichloromethane	10.1		"	10.0		101	79-128				
Bromoform	9.51		"	10.0		95.1	78-133				
Bromomethane	9.65		"	10.0		96.5	43-168				
Carbon disulfide	11.4		"	10.0		114	68-146				
Carbon tetrachloride	11.2		"	10.0		112	77-141				
Chlorobenzene	9.57		"	10.0		95.7	88-120				
Chloroethane	8.50		"	10.0		85.0	65-136				
Chloroform	9.85		"	10.0		98.5	82-128				
Chloromethane	10.2		"	10.0		102	43-155				
cis-1,2-Dichloroethylene	9.63		"	10.0		96.3	83-129				
cis-1,3-Dichloropropylene	10.3		"	10.0		103	80-131				
Cyclohexane	4.67		"	10.0		46.7	63-149	Low Bias			
Dibromochloromethane	10.0		"	10.0		100	80-130				
Dibromomethane	9.52		"	10.0		95.2	72-134				
Dichlorodifluoromethane	8.81		"	10.0		88.1	44-144				
Ethyl Benzene	9.50		"	10.0		95.0	80-131				
Hexachlorobutadiene	8.70		"	10.0		87.0	67-146				
Isopropylbenzene	9.84		"	10.0		98.4	76-140				
Methyl acetate	9.45		"	10.0		94.5	51-139				
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135				
Methylcyclohexane	10.7		"	10.0		107	72-143				
Methylene chloride	10.2		"	10.0		102	55-137				
n-Butylbenzene	9.43		"	10.0		94.3	79-132				

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 BC00475 - EPA 5030B											
LCS (BC00475-BS1) LCS								Prepared: 03/09/2020 Analyzed: 03/10/2020			
n-Propylbenzene	9.73		ug/L	10.0		97.3	78-133				
o-Xylene	9.34		"	10.0		93.4	78-130				
p- & m- Xylenes	18.4		"	20.0		92.1	77-133				
p-Isopropyltoluene	9.70		"	10.0		97.0	81-136				
sec-Butylbenzene	10.2		"	10.0		102	79-137				
Styrene	9.87		"	10.0		98.7	67-132				
tert-Butyl alcohol (TBA)	31.3		"	50.0		62.5	25-162				
tert-Butylbenzene	8.53		"	10.0		85.3	77-138				
Tetrachloroethylene	8.31		"	10.0		83.1	82-131				
Toluene	9.56		"	10.0		95.6	80-127				
trans-1,2-Dichloroethylene	10.0		"	10.0		100	80-132				
trans-1,3-Dichloropropylene	9.63		"	10.0		96.3	78-131				
Trichloroethylene	8.67		"	10.0		86.7	82-128				
Trichlorofluoromethane	8.90		"	10.0		89.0	67-139				
Vinyl Chloride	9.00		"	10.0		90.0	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.61*		*"*	*10.0*		*86.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
LCS Dup (BC00475-BSD1) LCS Dup								Prepared: 03/09/2020 Analyzed: 03/10/2020			
1,1,1,2-Tetrachloroethane	10.2		ug/L	10.0		102	82-126		0.980	30	
1,1,1-Trichloroethane	9.25		"	10.0		92.5	78-136		7.59	30	
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129		1.89	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.1		"	10.0		101	54-165		5.87	30	
1,1,2-Trichloroethane	9.80		"	10.0		98.0	82-123		2.90	30	
1,1-Dichloroethane	9.58		"	10.0		95.8	82-129		5.28	30	
1,1-Dichloroethylene	8.27		"	10.0		82.7	68-138		6.78	30	
1,2,3-Trichlorobenzene	9.65		"	10.0		96.5	76-136		3.66	30	
1,2,3-Trichloropropane	10.0		"	10.0		100	77-128		2.94	30	
1,2,4-Trichlorobenzene	9.08		"	10.0		90.8	76-137		3.78	30	
1,2,4-Trimethylbenzene	9.06		"	10.0		90.6	82-132		6.20	30	
1,2-Dibromo-3-chloropropane	9.02		"	10.0		90.2	45-147		2.08	30	
1,2-Dibromoethane	9.78		"	10.0		97.8	83-124		0.615	30	
1,2-Dichlorobenzene	9.19		"	10.0		91.9	79-123		4.68	30	
1,2-Dichloroethane	8.40		"	10.0		84.0	73-132		3.62	30	
1,2-Dichloropropane	9.86		"	10.0		98.6	78-126		1.41	30	
1,3,5-Trimethylbenzene	9.03		"	10.0		90.3	80-131		9.09	30	
1,3-Dichlorobenzene	8.96		"	10.0		89.6	86-122		6.37	30	
1,4-Dichlorobenzene	9.15		"	10.0		91.5	85-124		5.01	30	
1,4-Dioxane	279		"	210		133	10-349		13.5	30	
2-Butanone	15.0		"	10.0		150	49-152		20.0	30	
2-Hexanone	11.4		"	10.0		114	51-146		3.85	30	
4-Methyl-2-pentanone	10.0		"	10.0		100	57-145		1.00	30	
Acetone	9.43		"	10.0		94.3	14-150		1.16	30	
Acrolein	6.68		"	100		6.68	10-153	Low Bias	3.35	30	
Acrylonitrile	8.99		"	10.0		89.9	51-150		3.17	30	
Benzene	9.71		"	10.0		97.1	85-126		5.12	30	
Bromochloromethane	10.8		"	10.0		108	77-128		3.29	30	
Bromodichloromethane	10.0		"	10.0		100	79-128		0.0995	30	
Bromoform	9.23		"	10.0		92.3	78-133		2.99	30	
Bromomethane	9.43		"	10.0		94.3	43-168		2.31	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 BC00475 - EPA 5030B											
LCS Dup (BC00475-BSD1) LCS Dup									Prepared: 03/09/2020 Analyzed: 03/10/2020		
Carbon disulfide	10.5		ug/L	10.0		105	68-146		8.28	30	
Carbon tetrachloride	10.2		"	10.0		102	77-141		9.43	30	
Chlorobenzene	9.40		"	10.0		94.0	88-120		1.79	30	
Chloroethane	7.83		"	10.0		78.3	65-136		8.21	30	
Chloroform	9.28		"	10.0		92.8	82-128		5.96	30	
Chloromethane	8.66		"	10.0		86.6	43-155		16.5	30	
cis-1,2-Dichloroethylene	9.20		"	10.0		92.0	83-129		4.57	30	
cis-1,3-Dichloropropylene	10.2		"	10.0		102	80-131		1.56	30	
Cyclohexane	4.36		"	10.0		43.6	63-149	Low Bias	6.87	30	
Dibromochloromethane	10.1		"	10.0		101	80-130		0.496	30	
Dibromomethane	9.67		"	10.0		96.7	72-134		1.56	30	
Dichlorodifluoromethane	8.16		"	10.0		81.6	44-144		7.66	30	
Ethyl Benzene	9.14		"	10.0		91.4	80-131		3.86	30	
Hexachlorobutadiene	8.18		"	10.0		81.8	67-146		6.16	30	
Isopropylbenzene	9.02		"	10.0		90.2	76-140		8.70	30	
Methyl acetate	9.32		"	10.0		93.2	51-139		1.39	30	
Methyl tert-butyl ether (MTBE)	10.9		"	10.0		109	76-135		2.18	30	
Methylcyclohexane	10.1		"	10.0		101	72-143		5.10	30	
Methylene chloride	9.79		"	10.0		97.9	55-137		4.00	30	
n-Butylbenzene	8.84		"	10.0		88.4	79-132		6.46	30	
n-Propylbenzene	9.04		"	10.0		90.4	78-133		7.35	30	
o-Xylene	9.04		"	10.0		90.4	78-130		3.26	30	
p- & m- Xylenes	17.8		"	20.0		89.0	77-133		3.42	30	
p-Isopropyltoluene	8.96		"	10.0		89.6	81-136		7.93	30	
sec-Butylbenzene	9.45		"	10.0		94.5	79-137		7.73	30	
Styrene	9.56		"	10.0		95.6	67-132		3.19	30	
tert-Butyl alcohol (TBA)	34.0		"	50.0		68.1	25-162		8.48	30	
tert-Butylbenzene	7.87		"	10.0		78.7	77-138		8.05	30	
Tetrachloroethylene	7.97		"	10.0		79.7	82-131	Low Bias	4.18	30	
Toluene	9.35		"	10.0		93.5	80-127		2.22	30	
trans-1,2-Dichloroethylene	9.24		"	10.0		92.4	80-132		8.10	30	
trans-1,3-Dichloropropylene	9.55		"	10.0		95.5	78-131		0.834	30	
Trichloroethylene	8.46		"	10.0		84.6	82-128		2.45	30	
Trichlorofluoromethane	7.93		"	10.0		79.3	67-139		11.5	30	
Vinyl Chloride	8.26		"	10.0		82.6	58-145		8.57	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.53*		*"*	*10.0*		*85.3*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.96*		*"*	*10.0*		*99.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*79-122*				

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 BC00244 - EPA SW846-3510C Low Level											
Blank (BC00244-BLK2) Blank								Prepared & Analyzed: 03/05/2020			
Aroclor 1016	ND	0.0500	ug/L								
Aroclor 1221	ND	0.0500	"								
Aroclor 1232	ND	0.0500	"								
Aroclor 1242	ND	0.0500	"								
Aroclor 1248	ND	0.0500	"								
Aroclor 1254	ND	0.0500	"								
Aroclor 1260	ND	0.0500	"								
Total PCBs	ND	0.0500	"								
Surrogate: Tetrachloro-m-xylene	*0.133*		*"*	*0.200*		*66.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.140*		*"*	*0.200*		*70.0*	*30-120*				
LCS (BC00244-BS2) LCS								Prepared & Analyzed: 03/05/2020			
Aroclor 1016	0.856	0.0500	ug/L	1.00		85.6	40-120				
Aroclor 1260	0.885	0.0500	"	1.00		88.5	40-120				
Surrogate: Tetrachloro-m-xylene	*0.123*		*"*	*0.200*		*61.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.121*		*"*	*0.200*		*60.5*	*30-120*				
LCS Dup (BC00244-BSD2) LCS Dup								Prepared & Analyzed: 03/05/2020			
Aroclor 1016	0.879	0.0500	ug/L	1.00		87.9	40-120		2.65	30	
Aroclor 1260	0.873	0.0500	"	1.00		87.3	40-120		1.30	30	
Surrogate: Tetrachloro-m-xylene	*0.131*		*"*	*0.200*		*65.5*	*30-120*				
Surrogate: Decachlorobiphenyl	*0.0890*		*"*	*0.200*		*44.5*	*30-120*				

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 BC00310 - EPA 3015A											
Blank (BC00310-BLK1) Blank									Prepared: 03/05/2020 Analyzed: 03/10/2020		
Aluminum	ND	0.0556	mg/L								
Arsenic	ND	0.017	"								
Barium	ND	0.028	"								
Cadmium	ND	0.003	"								
Chromium	ND	0.006	"								
Cobalt	ND	0.00444	"								
Copper	ND	0.0222	"								
Iron	ND	0.278	"								
Lead	ND	0.006	"								
Nickel	ND	0.0111	"								
Selenium	ND	0.028	"								
Silver	ND	0.006	"								
Zinc	ND	0.0278	"								
LCS (BC00310-BS1) LCS									Prepared: 03/05/2020 Analyzed: 03/10/2020		
Aluminum	2.02		ug/mL	2.00		101	80-120				
Arsenic	1.81		mg/L	2.00		90.4	80-120				
Barium	1.98		"	2.00		99.1	80-120				
Cadmium	0.047		"	0.0500		94.7	80-120				
Chromium	0.197		"	0.200		98.3	80-120				
Cobalt	0.505		ug/mL	0.500		101	80-120				
Copper	0.251		mg/L	0.250		100	80-120				
Iron	1.03		ug/mL	1.00		103	80-120				
Lead	0.473		mg/L	0.500		94.5	80-120				
Nickel	0.496		"	0.500		99.1	80-120				
Selenium	1.60		"	2.00		79.8	80-120	Low Bias			
Silver	0.040		"	0.0500		80.9	80-120				
Zinc	0.484		"	0.500		96.8	80-120				

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 BC00196 - EPA 7473 water												
Blank (BC00196-BLK1)	Blank									Prepared & Analyzed: 03/04/2020		
Mercury		ND	0.00020	mg/L								
Reference (BC00196-SRM1)	Reference									Prepared & Analyzed: 03/04/2020		
Mercury		0.00846		mg/L	0.0100		84.6	70-130				

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 BC00279 - Analysis Preparation											
Reference (BC00279-SRM1) Reference									Prepared & Analyzed: 03/05/2020		
Flashpoint	114		°F	115		98.8	96.5-103.5				
Batch BC00492 - % Solids Prep											
Blank (BC00492-BLK1) Blank									Prepared & Analyzed: 03/09/2020		
Total Solids	ND	10.0	mg/L								

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20C0104-01	MW-52_2020.03.02	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20C0104-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-04	The RPD exceeded control limits for the LCS/LCSD QC.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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-BS	The recovery for this element in the batch blank spike recovered slightly outside of control limits
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).
HT-pH	HOLDING TIME EXCEEDED. Samples for pH must be measured in the field or within 15 minutes of sample collection.
F-01	> 200
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. 20C0104

Page 1 of 1

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan CT	Company:	Company:	140080121	RUSH - Next Day
Address: 555 Long Wharf Drive, New Haven CT 06511	Address: SAME	Address: SAME	YOUR Project Name: Kings Plaza Mall	RUSH - Two Day
Phone: 203-733-2970	Phone:	Phone:		RUSH - Three Day
Contact: John FitzPatrick	Contact:	Contact:		RUSH - Four Day
E-mail: jfitzpatrick@langan.com	E-mail:	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.

John FitzPatrick

Samples Collected by: (print your name above and sign below)

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; QA Report; NY ASP A Package; NY ASP B Package; CT RCP; CT RCP DQA/DUE; NJDEP Reduced Deliverables; NJDKQP; Standard Excel EDD; 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
MW-52_2020.03.02	GW	3/2/20 15:20	Flash Point, Halogens, 8 RCRA metals, VOCs, PCBs, % Solids, pH, Sulfate, Sulfide, Iron, Manganese	3 plastic, 2 glass liters, 3 voa vials
Trip Blank	—	—	VOCs	2 VOA Vials

Comments: cc dgranucci@langan.com + hgriesbach@langan.com

Preservation: (check all that apply) HCl X MeOH ___ HNO3 X H2SO4 ___ 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
			3/3/2020 0750		3/3/2020
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
				3-3-20 0855 @ 3.1 c	Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

Report Date: 04/08/2020
Client Project ID: 140080120
York Project (SDG) No.: 20C1238

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 04/08/2020
Client Project ID: 140080120
York Project (SDG) No.: 20C1238

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

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 31, 2020 and listed below. The project was identified as your project: **140080120**.

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
20C1238-01	MW-52_2020.03.31	Water	03/31/2020	03/31/2020
20C1238-02	Trip Blank	Water	03/31/2020	03/31/2020

General Notes for York Project (SDG) No.: 20C1238

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: 04/08/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-52_2020.03.31 **York Sample ID:** 20C1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:25 pm	03/31/2020

Volatiles, 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	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.31 **York Sample ID:** 20C1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:25 pm	03/31/2020

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	5.00	10.0	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	**Benzene**	**8.05**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	**Cyclohexane**	**229**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.31 **York Sample ID:** 20C1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:25 pm	03/31/2020

Volatiles, 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
100-41-4	**Ethyl Benzene**	**15.4**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**240**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**203**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**39.0**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**706**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**4.55**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**4.50**		ug/L	2.50	5.00	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**37.5**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**3.95**		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.03.31 **York Sample ID:** 20C1238-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:25 pm	03/31/2020

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**9.05**		ug/L	3.00	7.50	5	EPA 8260C	04/08/2020 09:30	04/08/2020 14:37	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.4 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.4 %*	*79-122*

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20C1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:00 am	03/31/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20C1238-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:00 am	03/31/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20C1238-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:00 am	03/31/2020

Volatiles, 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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**0.210**		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**0.900**		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	2.50	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20C1238-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20C1238	140080120	Water	March 31, 2020 12:00 am	03/31/2020

Volatiles, 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
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	04/01/2020 09:30	04/01/2020 12:53	AB
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*86.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*88.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*97.2 %*	*79-122*

Analytical Batch Summary

Batch ID: BD00017 **Preparation Method:** EPA 5030B **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20C1238-01	MW-52_2020.03.31	04/01/20
20C1238-02	Trip Blank	04/01/20
BD00017-BLK1	Blank	04/01/20
BD00017-BS1	LCS	04/01/20
BD00017-BSD1	LCS Dup	04/01/20

Batch ID: BD00346 **Preparation Method:** EPA 5030B **Prepared By:** CLS2

YORK Sample ID	Client Sample ID	Preparation Date
20C1238-01RE1	MW-52_2020.03.31	04/08/20
BD00346-BLK1	Blank	04/08/20
BD00346-BS1	LCS	04/08/20
BD00346-BS2	LCS	04/08/20
BD00346-BSD1	LCS Dup	04/08/20
BD00346-BSD2	LCS Dup	04/08/20

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 BD00017 - EPA 5030B											
Blank (BD00017-BLK1) Blank									Prepared & Analyzed: 04/01/2020		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	1.07	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BD00017 - EPA 5030B											
Blank (BD00017-BLK1) Blank								Prepared & Analyzed: 04/01/2020			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.88*		*"*	*10.0*		*88.8*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.03*		*"*	*10.0*		*90.3*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.85*		*"*	*10.0*		*98.5*	*79-122*				
LCS (BD00017-BS1) LCS								Prepared & Analyzed: 04/01/2020			
1,1,1,2-Tetrachloroethane	9.29		ug/L	10.0		92.9	82-126				
1,1,1-Trichloroethane	11.8		"	10.0		118	78-136				
1,1,2,2-Tetrachloroethane	9.02		"	10.0		90.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12.1		"	10.0		121	54-165				
1,1,2-Trichloroethane	8.92		"	10.0		89.2	82-123				
1,1-Dichloroethane	11.0		"	10.0		110	82-129				
1,1-Dichloroethylene	11.5		"	10.0		115	68-138				
1,2,3-Trichlorobenzene	9.77		"	10.0		97.7	76-136				
1,2,3-Trichloropropane	9.18		"	10.0		91.8	77-128				
1,2,4-Trichlorobenzene	9.91		"	10.0		99.1	76-137				
1,2,4-Trimethylbenzene	10.3		"	10.0		103	82-132				
1,2-Dibromo-3-chloropropane	8.00		"	10.0		80.0	45-147				
1,2-Dibromoethane	9.64		"	10.0		96.4	83-124				
1,2-Dichlorobenzene	9.60		"	10.0		96.0	79-123				
1,2-Dichloroethane	9.74		"	10.0		97.4	73-132				
1,2-Dichloropropane	9.11		"	10.0		91.1	78-126				
1,3,5-Trimethylbenzene	10.8		"	10.0		108	80-131				
1,3-Dichlorobenzene	9.87		"	10.0		98.7	86-122				
1,4-Dichlorobenzene	9.73		"	10.0		97.3	85-124				
1,4-Dioxane	33.0		"	210		15.7	10-349				
2-Butanone	10.6		"	10.0		106	49-152				
2-Hexanone	7.65		"	10.0		76.5	51-146				
4-Methyl-2-pentanone	7.76		"	10.0		77.6	57-145				
Acetone	9.24		"	10.0		92.4	14-150				
Acrolein	10.6		"	10.0		106	10-153				
Acrylonitrile	10.9		"	10.0		109	51-150				
Benzene	11.9		"	10.0		119	85-126				
Bromochloromethane	11.1		"	10.0		111	77-128				
Bromodichloromethane	9.15		"	10.0		91.5	79-128				

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 BD00017 - EPA 5030B											
LCS (BD00017-BS1) LCS							Prepared & Analyzed: 04/01/2020				
Bromoform	9.67		ug/L	10.0		96.7	78-133				
Bromomethane	1.53		"	10.0		15.3	43-168	Low Bias			
Carbon disulfide	12.1		"	10.0		121	68-146				
Carbon tetrachloride	11.4		"	10.0		114	77-141				
Chlorobenzene	9.94		"	10.0		99.4	88-120				
Chloroethane	10.1		"	10.0		101	65-136				
Chloroform	11.4		"	10.0		114	82-128				
Chloromethane	7.05		"	10.0		70.5	43-155				
cis-1,2-Dichloroethylene	11.0		"	10.0		110	83-129				
cis-1,3-Dichloropropylene	9.21		"	10.0		92.1	80-131				
Cyclohexane	11.3		"	10.0		113	63-149				
Dibromochloromethane	9.70		"	10.0		97.0	80-130				
Dibromomethane	8.83		"	10.0		88.3	72-134				
Dichlorodifluoromethane	7.88		"	10.0		78.8	44-144				
Ethyl Benzene	9.80		"	10.0		98.0	80-131				
Hexachlorobutadiene	11.5		"	10.0		115	67-146				
Isopropylbenzene	10.2		"	10.0		102	76-140				
Methyl acetate	10.0		"	10.0		100	51-139				
Methyl tert-butyl ether (MTBE)	10.1		"	10.0		101	76-135				
Methylcyclohexane	9.54		"	10.0		95.4	72-143				
Methylene chloride	11.8		"	10.0		118	55-137				
n-Butylbenzene	10.5		"	10.0		105	79-132				
n-Propylbenzene	10.2		"	10.0		102	78-133				
o-Xylene	9.62		"	10.0		96.2	78-130				
p- & m- Xylenes	19.7		"	20.0		98.7	77-133				
p-Isopropyltoluene	10.8		"	10.0		108	81-136				
sec-Butylbenzene	11.2		"	10.0		112	79-137				
Styrene	9.81		"	10.0		98.1	67-132				
tert-Butyl alcohol (TBA)	49.6		"	50.0		99.3	25-162				
tert-Butylbenzene	10.6		"	10.0		106	77-138				
Tetrachloroethylene	10.0		"	10.0		100	82-131				
Toluene	9.82		"	10.0		98.2	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	9.05		"	10.0		90.5	78-131				
Trichloroethylene	9.86		"	10.0		98.6	82-128				
Trichlorofluoromethane	10.4		"	10.0		104	67-139				
Vinyl Chloride	8.92		"	10.0		89.2	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*8.40*		*"*	*10.0*		*84.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.18*		*"*	*10.0*		*91.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*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 BD00017 - EPA 5030B											
LCS Dup (BD00017-BSD1) LCS Dup								Prepared & Analyzed: 04/01/2020			
1,1,1,2-Tetrachloroethane	9.69		ug/L	10.0		96.9	82-126		4.21	30	
1,1,1-Trichloroethane	11.7		"	10.0		117	78-136		0.597	30	
1,1,2,2-Tetrachloroethane	9.59		"	10.0		95.9	76-129		6.13	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.9		"	10.0		119	54-165		1.17	30	
1,1,2-Trichloroethane	9.73		"	10.0		97.3	82-123		8.69	30	
1,1-Dichloroethane	11.1		"	10.0		111	82-129		0.907	30	
1,1-Dichloroethylene	11.1		"	10.0		111	68-138		3.98	30	
1,2,3-Trichlorobenzene	10.8		"	10.0		108	76-136		10.2	30	
1,2,3-Trichloropropane	9.63		"	10.0		96.3	77-128		4.78	30	
1,2,4-Trichlorobenzene	10.7		"	10.0		107	76-137		7.85	30	
1,2,4-Trimethylbenzene	10.2		"	10.0		102	82-132		1.17	30	
1,2-Dibromo-3-chloropropane	8.09		"	10.0		80.9	45-147		1.12	30	
1,2-Dibromoethane	10.5		"	10.0		105	83-124		8.25	30	
1,2-Dichlorobenzene	9.78		"	10.0		97.8	79-123		1.86	30	
1,2-Dichloroethane	10.7		"	10.0		107	73-132		9.77	30	
1,2-Dichloropropane	9.24		"	10.0		92.4	78-126		1.42	30	
1,3,5-Trimethylbenzene	10.5		"	10.0		105	80-131		2.63	30	
1,3-Dichlorobenzene	9.77		"	10.0		97.7	86-122		1.02	30	
1,4-Dichlorobenzene	9.70		"	10.0		97.0	85-124		0.309	30	
1,4-Dioxane	244		"	210		116	10-349		152	30	Non-dir.
2-Butanone	11.3		"	10.0		113	49-152		6.32	30	
2-Hexanone	8.89		"	10.0		88.9	51-146		15.0	30	
4-Methyl-2-pentanone	9.37		"	10.0		93.7	57-145		18.8	30	
Acetone	11.6		"	10.0		116	14-150		22.7	30	
Acrolein	11.1		"	10.0		111	10-153		4.25	30	
Acrylonitrile	12.6		"	10.0		126	51-150		14.6	30	
Benzene	11.9		"	10.0		119	85-126		0.336	30	
Bromochloromethane	11.9		"	10.0		119	77-128		7.21	30	
Bromodichloromethane	9.22		"	10.0		92.2	79-128		0.762	30	
Bromoform	10.6		"	10.0		106	78-133		8.99	30	
Bromomethane	1.85		"	10.0		18.5	43-168	Low Bias	18.9	30	
Carbon disulfide	11.7		"	10.0		117	68-146		3.20	30	
Carbon tetrachloride	11.3		"	10.0		113	77-141		1.05	30	
Chlorobenzene	10.1		"	10.0		101	88-120		1.60	30	
Chloroethane	9.30		"	10.0		93.0	65-136		8.05	30	
Chloroform	11.6		"	10.0		116	82-128		1.83	30	
Chloromethane	6.36		"	10.0		63.6	43-155		10.3	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		1.44	30	
cis-1,3-Dichloropropylene	9.39		"	10.0		93.9	80-131		1.94	30	
Cyclohexane	11.2		"	10.0		112	63-149		0.710	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		5.71	30	
Dibromomethane	9.24		"	10.0		92.4	72-134		4.54	30	
Dichlorodifluoromethane	7.54		"	10.0		75.4	44-144		4.41	30	
Ethyl Benzene	9.83		"	10.0		98.3	80-131		0.306	30	
Hexachlorobutadiene	11.6		"	10.0		116	67-146		0.864	30	
Isopropylbenzene	10.0		"	10.0		100	76-140		1.97	30	
Methyl acetate	11.6		"	10.0		116	51-139		14.0	30	
Methyl tert-butyl ether (MTBE)	11.5		"	10.0		115	76-135		13.2	30	
Methylcyclohexane	9.49		"	10.0		94.9	72-143		0.525	30	
Methylene chloride	12.4		"	10.0		124	55-137		5.20	30	
n-Butylbenzene	9.49		"	10.0		94.9	79-132		9.82	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 BD00017 - EPA 5030B											
LCS Dup (BD00017-BSD1) LCS Dup								Prepared & Analyzed: 04/01/2020			
n-Propylbenzene	10.1		ug/L	10.0		101	78-133		0.394	30	
o-Xylene	9.92		"	10.0		99.2	78-130		3.07	30	
p- & m- Xylenes	20.1		"	20.0		100	77-133		1.76	30	
p-Isopropyltoluene	11.0		"	10.0		110	81-136		1.47	30	
sec-Butylbenzene	11.5		"	10.0		115	79-137		2.55	30	
Styrene	10.1		"	10.0		101	67-132		3.01	30	
tert-Butyl alcohol (TBA)	74.5		"	50.0		149	25-162		40.1	30	Non-dir.
tert-Butylbenzene	10.6		"	10.0		106	77-138		0.567	30	
Tetrachloroethylene	9.81		"	10.0		98.1	82-131		2.22	30	
Toluene	9.73		"	10.0		97.3	80-127		0.921	30	
trans-1,2-Dichloroethylene	11.8		"	10.0		118	80-132		2.44	30	
trans-1,3-Dichloropropylene	9.55		"	10.0		95.5	78-131		5.38	30	
Trichloroethylene	9.75		"	10.0		97.5	82-128		1.12	30	
Trichlorofluoromethane	10.0		"	10.0		100	67-139		3.34	30	
Vinyl Chloride	8.53		"	10.0		85.3	58-145		4.47	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.17*		*"*	*10.0*		*91.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*8.94*		*"*	*10.0*		*89.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.84*		*"*	*10.0*		*98.4*	*79-122*				
Batch BD00346 - EPA 5030B											
Blank (BD00346-BLK1) Blank								Prepared & Analyzed: 04/08/2020			
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	ND	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								

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 BD00346 - EPA 5030B											
Blank (BD00346-BLK1) Blank									Prepared & Analyzed: 04/08/2020		
Bromoform	ND	0.500	ug/L								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								
n-Butylbenzene	ND	0.500	"								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.45*		*"*	*10.0*		*94.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*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 BD00346 - EPA 5030B											
LCS (BD00346-BS1) LCS							Prepared & Analyzed: 04/08/2020				
1,1,1,2-Tetrachloroethane	9.73		ug/L	10.0		97.3	82-126				
1,1,1-Trichloroethane	11.8		"	10.0		118	78-136				
1,1,2,2-Tetrachloroethane	9.61		"	10.0		96.1	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	20.4		"	10.0		204	54-165	High Bias			
1,1,2-Trichloroethane	8.68		"	10.0		86.8	82-123				
1,1-Dichloroethane	10.6		"	10.0		106	82-129				
1,1-Dichloroethylene	13.2		"	10.0		132	68-138				
1,2,3-Trichlorobenzene	9.13		"	10.0		91.3	76-136				
1,2,3-Trichloropropane	9.27		"	10.0		92.7	77-128				
1,2,4-Trichlorobenzene	9.20		"	10.0		92.0	76-137				
1,2,4-Trimethylbenzene	11.2		"	10.0		112	82-132				
1,2-Dibromo-3-chloropropane	8.66		"	10.0		86.6	45-147				
1,2-Dibromoethane	8.75		"	10.0		87.5	83-124				
1,2-Dichlorobenzene	10.1		"	10.0		101	79-123				
1,2-Dichloroethane	9.27		"	10.0		92.7	73-132				
1,2-Dichloropropane	9.75		"	10.0		97.5	78-126				
1,3,5-Trimethylbenzene	11.3		"	10.0		113	80-131				
1,3-Dichlorobenzene	10.5		"	10.0		105	86-122				
1,4-Dichlorobenzene	10.5		"	10.0		105	85-124				
1,4-Dioxane	0.00		"	210			10-349	Low Bias			
2-Butanone	8.61		"	10.0		86.1	49-152				
2-Hexanone	8.06		"	10.0		80.6	51-146				
4-Methyl-2-pentanone	8.16		"	10.0		81.6	57-145				
Acetone	6.65		"	10.0		66.5	14-150				
Acrolein	8.18		"	10.0		81.8	10-153				
Acrylonitrile	8.67		"	10.0		86.7	51-150				
Benzene	11.3		"	10.0		113	85-126				
Bromochloromethane	10.1		"	10.0		101	77-128				
Bromodichloromethane	9.45		"	10.0		94.5	79-128				
Bromoform	8.62		"	10.0		86.2	78-133				
Bromomethane	11.8		"	10.0		118	43-168				
Carbon disulfide	12.3		"	10.0		123	68-146				
Carbon tetrachloride	12.7		"	10.0		127	77-141				
Chlorobenzene	10.2		"	10.0		102	88-120				
Chloroethane	12.6		"	10.0		126	65-136				
Chloroform	10.5		"	10.0		105	82-128				
Chloromethane	14.3		"	10.0		143	43-155				
cis-1,2-Dichloroethylene	10.7		"	10.0		107	83-129				
cis-1,3-Dichloropropylene	9.54		"	10.0		95.4	80-131				
Cyclohexane	14.5		"	10.0		145	63-149				
Dibromochloromethane	9.03		"	10.0		90.3	80-130				
Dibromomethane	8.80		"	10.0		88.0	72-134				
Dichlorodifluoromethane	29.8		"	10.0		298	44-144	High Bias			
Ethyl Benzene	10.9		"	10.0		109	80-131				
Hexachlorobutadiene	10.5		"	10.0		105	67-146				
Isopropylbenzene	11.6		"	10.0		116	76-140				
Methyl acetate	8.60		"	10.0		86.0	51-139				
Methyl tert-butyl ether (MTBE)	9.16		"	10.0		91.6	76-135				
Methylcyclohexane	19.4		"	10.0		194	72-143	High Bias			
Methylene chloride	11.7		"	10.0		117	55-137				
n-Butylbenzene	10.1		"	10.0		101	79-132				

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 BD00346 - EPA 5030B											
LCS (BD00346-BS1) LCS								Prepared & Analyzed: 04/08/2020			
n-Propylbenzene	11.3		ug/L	10.0		113	78-133				
o-Xylene	10.4		"	10.0		104	78-130				
p- & m- Xylenes	21.8		"	20.0		109	77-133				
p-Isopropyltoluene	11.6		"	10.0		116	81-136				
sec-Butylbenzene	12.0		"	10.0		120	79-137				
Styrene	10.5		"	10.0		105	67-132				
tert-Butyl alcohol (TBA)	33.2		"	50.0		66.4	25-162				
tert-Butylbenzene	11.3		"	10.0		113	77-138				
Tetrachloroethylene	10.8		"	10.0		108	82-131				
Toluene	10.9		"	10.0		109	80-127				
trans-1,2-Dichloroethylene	12.0		"	10.0		120	80-132				
trans-1,3-Dichloropropylene	9.26		"	10.0		92.6	78-131				
Trichloroethylene	11.0		"	10.0		110	82-128				
Trichlorofluoromethane	16.1		"	10.0		161	67-139	High Bias			
Vinyl Chloride	13.4		"	10.0		134	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.00*		*"*	*10.0*		*90.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.96*		*"*	*10.0*		*99.6*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.7*		*"*	*10.0*		*107*	*79-122*				
LCS (BD00346-BS2) LCS								Prepared & Analyzed: 04/08/2020			
1,1,1,2-Tetrachloroethane	11.2		ug/L	10.0		112	82-126				
1,1,1-Trichloroethane	12.9		"	10.0		129	78-136				
1,1,2,2-Tetrachloroethane	10.5		"	10.0		105	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	21.6		"	10.0		216	54-165	High Bias			
1,1,2-Trichloroethane	10.6		"	10.0		106	82-123				
1,1-Dichloroethane	11.4		"	10.0		114	82-129				
1,1-Dichloroethylene	13.7		"	10.0		137	68-138				
1,2,3-Trichlorobenzene	11.6		"	10.0		116	76-136				
1,2,3-Trichloropropane	11.2		"	10.0		112	77-128				
1,2,4-Trichlorobenzene	10.9		"	10.0		109	76-137				
1,2,4-Trimethylbenzene	11.6		"	10.0		116	82-132				
1,2-Dibromo-3-chloropropane	10.2		"	10.0		102	45-147				
1,2-Dibromoethane	10.8		"	10.0		108	83-124				
1,2-Dichlorobenzene	10.8		"	10.0		108	79-123				
1,2-Dichloroethane	11.1		"	10.0		111	73-132				
1,2-Dichloropropane	10.2		"	10.0		102	78-126				
1,3,5-Trimethylbenzene	11.8		"	10.0		118	80-131				
1,3-Dichlorobenzene	11.0		"	10.0		110	86-122				
1,4-Dichlorobenzene	11.2		"	10.0		112	85-124				
1,4-Dioxane	192		"	210		91.5	10-349				
2-Butanone	10.8		"	10.0		108	49-152				
2-Hexanone	10.2		"	10.0		102	51-146				
4-Methyl-2-pentanone	10.3		"	10.0		103	57-145				
Acetone	8.58		"	10.0		85.8	14-150				
Acrolein	9.75		"	10.0		97.5	10-153				
Acrylonitrile	11.0		"	10.0		110	51-150				
Benzene	12.0		"	10.0		120	85-126				
Bromochloromethane	11.1		"	10.0		111	77-128				
Bromodichloromethane	10.6		"	10.0		106	79-128				
Bromoform	10.9		"	10.0		109	78-133				
Bromomethane	13.9		"	10.0		139	43-168				

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 BD00346 - EPA 5030B											
LCS (BD00346-BS2) LCS							Prepared & Analyzed: 04/08/2020				
Carbon disulfide	12.7		ug/L	10.0		127	68-146				
Carbon tetrachloride	13.7		"	10.0		137	77-141				
Chlorobenzene	11.3		"	10.0		113	88-120				
Chloroethane	13.8		"	10.0		138	65-136	High Bias			
Chloroform	11.8		"	10.0		118	82-128				
Chloromethane	15.3		"	10.0		153	43-155				
cis-1,2-Dichloroethylene	11.6		"	10.0		116	83-129				
cis-1,3-Dichloropropylene	10.6		"	10.0		106	80-131				
Cyclohexane	15.3		"	10.0		153	63-149	High Bias			
Dibromochloromethane	10.9		"	10.0		109	80-130				
Dibromomethane	10.3		"	10.0		103	72-134				
Dichlorodifluoromethane	31.7		"	10.0		317	44-144	High Bias			
Ethyl Benzene	11.7		"	10.0		117	80-131				
Hexachlorobutadiene	11.7		"	10.0		117	67-146				
Isopropylbenzene	11.5		"	10.0		115	76-140				
Methyl acetate	10.2		"	10.0		102	51-139				
Methyl tert-butyl ether (MTBE)	11.7		"	10.0		117	76-135				
Methylcyclohexane	20.0		"	10.0		200	72-143	High Bias			
Methylene chloride	12.5		"	10.0		125	55-137				
n-Butylbenzene	9.91		"	10.0		99.1	79-132				
n-Propylbenzene	11.5		"	10.0		115	78-133				
o-Xylene	11.4		"	10.0		114	78-130				
p- & m- Xylenes	23.6		"	20.0		118	77-133				
p-Isopropyltoluene	12.4		"	10.0		124	81-136				
sec-Butylbenzene	12.7		"	10.0		127	79-137				
Styrene	11.2		"	10.0		112	67-132				
tert-Butyl alcohol (TBA)	57.1		"	50.0		114	25-162				
tert-Butylbenzene	11.9		"	10.0		119	77-138				
Tetrachloroethylene	11.8		"	10.0		118	82-131				
Toluene	11.5		"	10.0		115	80-127				
trans-1,2-Dichloroethylene	12.5		"	10.0		125	80-132				
trans-1,3-Dichloropropylene	10.8		"	10.0		108	78-131				
Trichloroethylene	11.3		"	10.0		113	82-128				
Trichlorofluoromethane	17.3		"	10.0		173	67-139	High Bias			
Vinyl Chloride	14.6		"	10.0		146	58-145	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.0*		*"*	*10.0*		*100*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*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.

Batch BD00346 - EPA 5030B

LCS Dup (BD00346-BSD1) LCS Dup — Prepared & Analyzed: 04/08/2020

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
1,1,1,2-Tetrachloroethane	9.98		ug/L	10.0		99.8	82-126		2.54	30	
1,1,1-Trichloroethane	11.1		"	10.0		111	78-136		5.93	30	
1,1,2,2-Tetrachloroethane	10.2		"	10.0		102	76-129		5.47	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	18.8		"	10.0		188	54-165	High Bias	8.42	30	
1,1,2-Trichloroethane	9.78		"	10.0		97.8	82-123		11.9	30	
1,1-Dichloroethane	10.5		"	10.0		105	82-129		1.04	30	
1,1-Dichloroethylene	12.5		"	10.0		125	68-138		5.38	30	
1,2,3-Trichlorobenzene	9.70		"	10.0		97.0	76-136		6.05	30	
1,2,3-Trichloropropane	10.3		"	10.0		103	77-128		10.8	30	
1,2,4-Trichlorobenzene	9.79		"	10.0		97.9	76-137		6.21	30	
1,2,4-Trimethylbenzene	10.8		"	10.0		108	82-132		3.99	30	
1,2-Dibromo-3-chloropropane	9.60		"	10.0		96.0	45-147		10.3	30	
1,2-Dibromoethane	10.0		"	10.0		100	83-124		13.4	30	
1,2-Dichlorobenzene	10.0		"	10.0		100	79-123		0.696	30	
1,2-Dichloroethane	9.99		"	10.0		99.9	73-132		7.48	30	
1,2-Dichloropropane	9.93		"	10.0		99.3	78-126		1.83	30	
1,3,5-Trimethylbenzene	11.0		"	10.0		110	80-131		2.77	30	
1,3-Dichlorobenzene	10.2		"	10.0		102	86-122		3.49	30	
1,4-Dichlorobenzene	10.2		"	10.0		102	85-124		3.57	30	
1,4-Dioxane	153		"	210		72.7	10-349		200	30	Non-dir.
2-Butanone	9.73		"	10.0		97.3	49-152		12.2	30	
2-Hexanone	9.94		"	10.0		99.4	51-146		20.9	30	
4-Methyl-2-pentanone	10.2		"	10.0		102	57-145		22.2	30	
Acetone	8.26		"	10.0		82.6	14-150		21.6	30	
Acrolein	9.68		"	10.0		96.8	10-153		16.8	30	
Acrylonitrile	10.6		"	10.0		106	51-150		19.9	30	
Benzene	11.0		"	10.0		110	85-126		2.79	30	
Bromochloromethane	10.6		"	10.0		106	77-128		4.44	30	
Bromodichloromethane	9.75		"	10.0		97.5	79-128		3.13	30	
Bromoform	9.68		"	10.0		96.8	78-133		11.6	30	
Bromomethane	11.9		"	10.0		119	43-168		0.337	30	
Carbon disulfide	11.4		"	10.0		114	68-146		7.32	30	
Carbon tetrachloride	11.9		"	10.0		119	77-141		6.34	30	
Chlorobenzene	10.2		"	10.0		102	88-120		0.293	30	
Chloroethane	11.5		"	10.0		115	65-136		9.14	30	
Chloroform	10.7		"	10.0		107	82-128		1.51	30	
Chloromethane	13.7		"	10.0		137	43-155		4.08	30	
cis-1,2-Dichloroethylene	10.5		"	10.0		105	83-129		1.60	30	
cis-1,3-Dichloropropylene	10.1		"	10.0		101	80-131		5.41	30	
Cyclohexane	13.5		"	10.0		135	63-149		7.15	30	
Dibromochloromethane	9.81		"	10.0		98.1	80-130		8.28	30	
Dibromomethane	9.60		"	10.0		96.0	72-134		8.70	30	
Dichlorodifluoromethane	25.9		"	10.0		259	44-144	High Bias	14.2	30	
Ethyl Benzene	10.7		"	10.0		107	80-131		2.03	30	
Hexachlorobutadiene	10.2		"	10.0		102	67-146		2.61	30	
Isopropylbenzene	10.8		"	10.0		108	76-140		6.61	30	
Methyl acetate	10.2		"	10.0		102	51-139		17.1	30	
Methyl tert-butyl ether (MTBE)	10.7		"	10.0		107	76-135		15.1	30	
Methylcyclohexane	18.2		"	10.0		182	72-143	High Bias	5.95	30	
Methylene chloride	11.9		"	10.0		119	55-137		1.36	30	
n-Butylbenzene	10.1		"	10.0		101	79-132		0.297	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 BD00346 - EPA 5030B											
LCS Dup (BD00346-BSD1) LCS Dup								Prepared & Analyzed: 04/08/2020			
n-Propylbenzene	10.9		ug/L	10.0		109	78-133		3.33	30	
o-Xylene	10.5		"	10.0		105	78-130		0.860	30	
p- & m- Xylenes	21.7		"	20.0		109	77-133		0.184	30	
p-Isopropyltoluene	11.4		"	10.0		114	81-136		2.17	30	
sec-Butylbenzene	12.0		"	10.0		120	79-137		0.251	30	
Styrene	10.5		"	10.0		105	67-132		0.666	30	
tert-Butyl alcohol (TBA)	51.1		"	50.0		102	25-162		42.4	30	Non-dir.
tert-Butylbenzene	11.0		"	10.0		110	77-138		2.06	30	
Tetrachloroethylene	10.3		"	10.0		103	82-131		5.10	30	
Toluene	10.6		"	10.0		106	80-127		2.70	30	
trans-1,2-Dichloroethylene	11.4		"	10.0		114	80-132		5.64	30	
trans-1,3-Dichloropropylene	10.0		"	10.0		100	78-131		7.68	30	
Trichloroethylene	10.4		"	10.0		104	82-128		5.72	30	
Trichlorofluoromethane	13.8		"	10.0		138	67-139		15.7	30	
Vinyl Chloride	12.2		"	10.0		122	58-145		9.75	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.89*		*"*	*10.0*		*98.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.85*		*"*	*10.0*		*98.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS Dup (BD00346-BSD2) LCS Dup								Prepared & Analyzed: 04/08/2020			
1,1,1,2-Tetrachloroethane	10.7		ug/L	10.0		107	82-126		3.75	30	
1,1,1-Trichloroethane	12.6		"	10.0		126	78-136		2.20	30	
1,1,2,2-Tetrachloroethane	10.3		"	10.0		103	76-129		2.02	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	21.3		"	10.0		213	54-165	High Bias	1.40	30	
1,1,2-Trichloroethane	10.2		"	10.0		102	82-123		3.77	30	
1,1-Dichloroethane	11.0		"	10.0		110	82-129		2.95	30	
1,1-Dichloroethylene	13.5		"	10.0		135	68-138		1.32	30	
1,2,3-Trichlorobenzene	10.7		"	10.0		107	76-136		8.00	30	
1,2,3-Trichloropropane	10.4		"	10.0		104	77-128		7.79	30	
1,2,4-Trichlorobenzene	10.6		"	10.0		106	76-137		2.79	30	
1,2,4-Trimethylbenzene	11.0		"	10.0		110	82-132		5.03	30	
1,2-Dibromo-3-chloropropane	9.77		"	10.0		97.7	45-147		4.60	30	
1,2-Dibromoethane	10.0		"	10.0		100	83-124		6.93	30	
1,2-Dichlorobenzene	10.6		"	10.0		106	79-123		1.87	30	
1,2-Dichloroethane	10.5		"	10.0		105	73-132		5.84	30	
1,2-Dichloropropane	9.88		"	10.0		98.8	78-126		3.58	30	
1,3,5-Trimethylbenzene	11.4		"	10.0		114	80-131		3.46	30	
1,3-Dichlorobenzene	10.7		"	10.0		107	86-122		3.22	30	
1,4-Dichlorobenzene	10.7		"	10.0		107	85-124		4.67	30	
1,4-Dioxane	268		"	210		127	10-349		32.9	30	Non-dir.
2-Butanone	10.3		"	10.0		103	49-152		4.17	30	
2-Hexanone	9.65		"	10.0		96.5	51-146		5.84	30	
4-Methyl-2-pentanone	10.1		"	10.0		101	57-145		1.97	30	
Acetone	8.02		"	10.0		80.2	14-150		6.75	30	
Acrolein	9.30		"	10.0		93.0	10-153		4.72	30	
Acrylonitrile	10.6		"	10.0		106	51-150		4.17	30	
Benzene	11.6		"	10.0		116	85-126		3.04	30	
Bromochloromethane	10.6		"	10.0		106	77-128		4.60	30	
Bromodichloromethane	10.1		"	10.0		101	79-128		4.93	30	
Bromoform	10.4		"	10.0		104	78-133		4.41	30	
Bromomethane	13.4		"	10.0		134	43-168		3.81	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 BD00346 - EPA 5030B											
LCS Dup (BD00346-BSD2) LCS Dup								Prepared & Analyzed: 04/08/2020			
Carbon disulfide	12.1		ug/L	10.0		121	68-146		4.92	30	
Carbon tetrachloride	13.3		"	10.0		133	77-141		2.66	30	
Chlorobenzene	10.9		"	10.0		109	88-120		2.97	30	
Chloroethane	12.6		"	10.0		126	65-136		9.19	30	
Chloroform	11.4		"	10.0		114	82-128		3.96	30	
Chloromethane	14.5		"	10.0		145	43-155		5.45	30	
cis-1,2-Dichloroethylene	11.2		"	10.0		112	83-129		3.52	30	
cis-1,3-Dichloropropylene	10.0		"	10.0		100	80-131		6.10	30	
Cyclohexane	14.9		"	10.0		149	63-149		2.59	30	
Dibromochloromethane	10.3		"	10.0		103	80-130		5.74	30	
Dibromomethane	9.73		"	10.0		97.3	72-134		5.89	30	
Dichlorodifluoromethane	30.0		"	10.0		300	44-144	High Bias	5.38	30	
Ethyl Benzene	11.3		"	10.0		113	80-131		3.48	30	
Hexachlorobutadiene	10.8		"	10.0		108	67-146		7.79	30	
Isopropylbenzene	11.2		"	10.0		112	76-140		2.82	30	
Methyl acetate	9.87		"	10.0		98.7	51-139		3.78	30	
Methyl tert-butyl ether (MTBE)	11.1		"	10.0		111	76-135		4.74	30	
Methylcyclohexane	19.4		"	10.0		194	72-143	High Bias	2.74	30	
Methylene chloride	11.9		"	10.0		119	55-137		4.75	30	
n-Butylbenzene	10.8		"	10.0		108	79-132		8.96	30	
n-Propylbenzene	11.1		"	10.0		111	78-133		3.81	30	
o-Xylene	11.0		"	10.0		110	78-130		4.02	30	
p- & m- Xylenes	22.9		"	20.0		114	77-133		2.97	30	
p-Isopropyltoluene	11.9		"	10.0		119	81-136		3.46	30	
sec-Butylbenzene	12.2		"	10.0		122	79-137		3.77	30	
Styrene	11.2		"	10.0		112	67-132		0.179	30	
tert-Butyl alcohol (TBA)	58.1		"	50.0		116	25-162		1.63	30	
tert-Butylbenzene	11.5		"	10.0		115	77-138		3.17	30	
Tetrachloroethylene	11.5		"	10.0		115	82-131		2.49	30	
Toluene	10.9		"	10.0		109	80-127		4.90	30	
trans-1,2-Dichloroethylene	12.1		"	10.0		121	80-132		3.42	30	
trans-1,3-Dichloropropylene	10.1		"	10.0		101	78-131		6.49	30	
Trichloroethylene	10.9		"	10.0		109	82-128		3.88	30	
Trichlorofluoromethane	16.4		"	10.0		164	67-139	High Bias	5.41	30	
Vinyl Chloride	13.5		"	10.0		135	58-145		7.91	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.95*		*"*	*10.0*		*99.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.61*		*"*	*10.0*		*96.1*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.95*		*"*	*10.0*		*99.5*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20C1238-01	MW-52_2020.03.31	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20C1238-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
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. 20C1238

YOUR Information	Report To:	Invoice To:
Company: Langan CT	Company:	Company:
Address: 555 Long Wharf Drive New Haven CT 06511	Address: SAME	Address: SAME
Phone.: 203-733-2970	Phone.:	Phone.:
Contact: John FitzPatrick	Contact:	Contact:
E-mail: jfitzpatrick@langan.com	E-mail:	E-mail:

YOUR Project Number: 140080120

YOUR Project Name: Kings Plaza Mall OU-3

YOUR PO#:

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
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.

John FitzPatrick

Samples Collected by: (print your name above and sign below)

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
MW-52-2020.03.31	GW	3/31/20 11:25	VOCs J	6 VOA Vials
Trip Blank	—	—		2 VOA Vials

Comments:

cc dgranucci@langan.com

Preservation: (check all that apply)

HCl X 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
	3/31/20 1332		
Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
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
K Bloomer	3/31/20 1332

Temp. Received at Lab: 3.1 Degrees C

Technical Report

prepared for:

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

Report Date: 06/29/2020
Client Project ID: 140080120
York Project (SDG) No.: 20F0952

CT Cert. No. PH-0723 New Jersey Cert. No. CT005 and NY037 New York Cert. Nos. 10854 and 12058 PA Cert. No. 68-04440

120 RESEARCH DRIVE STRATFORD, CT 06615 ■ 132-02 89th AVENUE RICHMOND HILL, NY 11418
www.YORKLAB.com (203) 325-1371 FAX (203) 357-0166 ClientServices@yorklab.com

Report Date: 06/29/2020
Client Project ID: 140080120
York Project (SDG) No.: 20F0952

Langan Engineering & Environmental Services (CT)
Long Wharf Maritime Center, 555 Long Wharf Drive
New Haven CT, 06511-6107
Attention: John FitzPatrick

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 June 24, 2020 and listed below. The project was identified as your project: **140080120**.

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
20F0952-01	MW-52_2020.06.24	Water	06/24/2020	06/24/2020
20F0952-02	Trip Blank	Water	06/24/2020	06/24/2020

General Notes for York Project (SDG) No.: 20F0952

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: 06/29/2020

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: MW-52_2020.06.24 **York Sample ID:** 20F0952-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 10:45 am	06/24/2020

Volatiles, 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	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	200	400	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: **MW-52_2020.06.24** — **York Sample ID:** **20F0952-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 10:45 am	06/24/2020

Volatiles, 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
591-78-6	2-Hexanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
108-10-1	4-Methyl-2-pentanone	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
67-64-1	**Acetone**	**7.10**	B	ug/L	5.00	10.0	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
107-02-8	Acrolein	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
107-13-1	Acrylonitrile	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
71-43-2	**Benzene**	**6.25**		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
74-97-5	Bromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
75-27-4	Bromodichloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
75-25-2	Bromoform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
74-83-9	Bromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
75-15-0	Carbon disulfide	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
56-23-5	Carbon tetrachloride	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
108-90-7	Chlorobenzene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
75-00-3	Chloroethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
67-66-3	Chloroform	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
74-87-3	Chloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
110-82-7	**Cyclohexane**	**162**		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
124-48-1	Dibromochloromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
74-95-3	Dibromomethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP
75-71-8	Dichlorodifluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C Certifications: NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	06/26/2020 06:00	06/26/2020 21:54	TMP

Sample Information

Client Sample ID: MW-52_2020.06.24 **York Sample ID:** 20F0952-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 10:45 am	06/24/2020

Volatiles, 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
100-41-4	**Ethyl Benzene**	**10.6**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-68-3	Hexachlorobutadiene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	**Isopropylbenzene**	**202**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	**Methylcyclohexane**	**94.4**	CCV-E	ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	5.00	10.0	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	**n-Butylbenzene**	**44.0**	QL-02	ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	**n-Propylbenzene**	**688**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	**o-Xylene**	**3.65**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	**p- & m- Xylenes**	**3.60**		ug/L	2.50	5.00	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	**sec-Butylbenzene**	**30.2**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	2.50	5.00	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	**Toluene**	**2.85**		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-52_2020.06.24 **York Sample ID:** 20F0952-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 10:45 am	06/24/2020

Volatiles, 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
75-01-4	Vinyl Chloride	ND		ug/L	1.00	2.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1330-20-7	**Xylenes, Total**	**7.25**		ug/L	3.00	7.50	5	EPA 8260C	06/26/2020 06:00	06/26/2020 21:54	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.5 %*	*79-122*

Sample Information

Client Sample ID: **Trip Blank** **York Sample ID:** **20F0952-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 12:00 am	06/24/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	1,1-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-93-4	1,2-Dibromoethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-06-2	1,2-Dichloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-87-5	1,2-Dichloropropane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
123-91-1	1,4-Dioxane	ND		ug/L	40.0	80.0	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
78-93-3	2-Butanone	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
591-78-6	2-Hexanone	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20F0952-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 12:00 am	06/24/2020

Volatiles, 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	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-64-1	Acetone	ND		ug/L	1.00	2.00	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-02-8	Acrolein	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
107-13-1	Acrylonitrile	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-43-2	Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-97-5	Bromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-27-4	Bromodichloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-25-2	Bromoform	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-83-9	Bromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-15-0	Carbon disulfide	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
56-23-5	Carbon tetrachloride	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-90-7	Chlorobenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-00-3	Chloroethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
67-66-3	Chloroform	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-87-3	Chloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
110-82-7	Cyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
124-48-1	Dibromochloromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
74-95-3	Dibromomethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-41-4	Ethyl Benzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20F0952-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 12:00 am	06/24/2020

Volatiles, 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
87-68-3	Hexachlorobutadiene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-82-8	Isopropylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-20-9	Methyl acetate	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-87-2	Methylcyclohexane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-09-2	Methylene chloride	ND		ug/L	1.00	2.00	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
104-51-8	n-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
103-65-1	n-Propylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
95-47-6	o-Xylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
179601-23-1	p- & m- Xylenes	ND		ug/L	0.500	1.00	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP		
99-87-6	p-Isopropyltoluene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
135-98-8	sec-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
100-42-5	Styrene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.500	1.00	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
98-06-6	tert-Butylbenzene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
127-18-4	Tetrachloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
108-88-3	Toluene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-01-6	Trichloroethylene	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-69-4	Trichlorofluoromethane	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-01-4	Vinyl Chloride	ND		ug/L	0.200	0.500	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: Trip Blank

York Sample ID: 20F0952-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20F0952	140080120	Water	June 24, 2020 12:00 am	06/24/2020

Volatiles, 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
1330-20-7	Xylenes, Total	ND		ug/L	0.600	1.50	1	EPA 8260C	06/26/2020 06:00	06/26/2020 16:48	TMP
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP		

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*101 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*96.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*102 %*	*79-122*

Analytical Batch Summary

Batch ID: BF01531 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
20F0952-01	MW-52_2020.06.24	06/26/20
20F0952-02	Trip Blank	06/26/20
BF01531-BLK1	Blank	06/26/20
BF01531-BS1	LCS	06/26/20
BF01531-BSD1	LCS Dup	06/26/20

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 BF01531 - EPA 5030B											
Blank (BF01531-BLK1) Blank									Prepared & Analyzed: 06/26/2020		
1,1,1,2-Tetrachloroethane	ND	0.500	ug/L								
1,1,1-Trichloroethane	ND	0.500	"								
1,1,2,2-Tetrachloroethane	ND	0.500	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.500	"								
1,1,2-Trichloroethane	ND	0.500	"								
1,1-Dichloroethane	ND	0.500	"								
1,1-Dichloroethylene	ND	0.500	"								
1,2,3-Trichlorobenzene	ND	0.500	"								
1,2,3-Trichloropropane	ND	0.500	"								
1,2,4-Trichlorobenzene	ND	0.500	"								
1,2,4-Trimethylbenzene	ND	0.500	"								
1,2-Dibromo-3-chloropropane	ND	0.500	"								
1,2-Dibromoethane	ND	0.500	"								
1,2-Dichlorobenzene	ND	0.500	"								
1,2-Dichloroethane	ND	0.500	"								
1,2-Dichloropropane	ND	0.500	"								
1,3,5-Trimethylbenzene	ND	0.500	"								
1,3-Dichlorobenzene	ND	0.500	"								
1,4-Dichlorobenzene	ND	0.500	"								
1,4-Dioxane	ND	80.0	"								
2-Butanone	ND	0.500	"								
2-Hexanone	ND	0.500	"								
4-Methyl-2-pentanone	ND	0.500	"								
Acetone	1.42	2.00	"								
Acrolein	ND	0.500	"								
Acrylonitrile	ND	0.500	"								
Benzene	ND	0.500	"								
Bromochloromethane	ND	0.500	"								
Bromodichloromethane	ND	0.500	"								
Bromoform	ND	0.500	"								
Bromomethane	ND	0.500	"								
Carbon disulfide	ND	0.500	"								
Carbon tetrachloride	ND	0.500	"								
Chlorobenzene	ND	0.500	"								
Chloroethane	ND	0.500	"								
Chloroform	ND	0.500	"								
Chloromethane	ND	0.500	"								
cis-1,2-Dichloroethylene	ND	0.500	"								
cis-1,3-Dichloropropylene	ND	0.500	"								
Cyclohexane	ND	0.500	"								
Dibromochloromethane	ND	0.500	"								
Dibromomethane	ND	0.500	"								
Dichlorodifluoromethane	ND	0.500	"								
Ethyl Benzene	ND	0.500	"								
Hexachlorobutadiene	ND	0.500	"								
Isopropylbenzene	ND	0.500	"								
Methyl acetate	ND	0.500	"								
Methyl tert-butyl ether (MTBE)	ND	0.500	"								
Methylcyclohexane	ND	0.500	"								
Methylene chloride	ND	2.00	"								

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 BF01531 - EPA 5030B											
Blank (BF01531-BLK1) Blank								Prepared & Analyzed: 06/26/2020			
n-Butylbenzene	ND	0.500	ug/L								
n-Propylbenzene	ND	0.500	"								
o-Xylene	ND	0.500	"								
p- & m- Xylenes	ND	1.00	"								
p-Isopropyltoluene	ND	0.500	"								
sec-Butylbenzene	ND	0.500	"								
Styrene	ND	0.500	"								
tert-Butyl alcohol (TBA)	ND	1.00	"								
tert-Butylbenzene	ND	0.500	"								
Tetrachloroethylene	ND	0.500	"								
Toluene	ND	0.500	"								
trans-1,2-Dichloroethylene	ND	0.500	"								
trans-1,3-Dichloropropylene	ND	0.500	"								
Trichloroethylene	ND	0.500	"								
Trichlorofluoromethane	ND	0.500	"								
Vinyl Chloride	ND	0.500	"								
Xylenes, Total	ND	1.50	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.58*		*"*	*10.0*		*95.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.89*		*"*	*10.0*		*98.9*	*79-122*				
LCS (BF01531-BS1) LCS								Prepared & Analyzed: 06/26/2020			
1,1,1,2-Tetrachloroethane	9.70		ug/L	10.0		97.0	82-126				
1,1,1-Trichloroethane	11.0		"	10.0		110	78-136				
1,1,2,2-Tetrachloroethane	8.83		"	10.0		88.3	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.7		"	10.0		117	54-165				
1,1,2-Trichloroethane	9.08		"	10.0		90.8	82-123				
1,1-Dichloroethane	10.3		"	10.0		103	82-129				
1,1-Dichloroethylene	11.3		"	10.0		113	68-138				
1,2,3-Trichlorobenzene	6.86		"	10.0		68.6	76-136	Low Bias			
1,2,3-Trichloropropane	9.51		"	10.0		95.1	77-128				
1,2,4-Trichlorobenzene	8.13		"	10.0		81.3	76-137				
1,2,4-Trimethylbenzene	10.0		"	10.0		100	82-132				
1,2-Dibromo-3-chloropropane	7.18		"	10.0		71.8	45-147				
1,2-Dibromoethane	9.05		"	10.0		90.5	83-124				
1,2-Dichlorobenzene	9.81		"	10.0		98.1	79-123				
1,2-Dichloroethane	10.5		"	10.0		105	73-132				
1,2-Dichloropropane	8.86		"	10.0		88.6	78-126				
1,3,5-Trimethylbenzene	9.80		"	10.0		98.0	80-131				
1,3-Dichlorobenzene	9.83		"	10.0		98.3	86-122				
1,4-Dichlorobenzene	9.97		"	10.0		99.7	85-124				
1,4-Dioxane	320		"	210		153	10-349				
2-Butanone	8.29		"	10.0		82.9	49-152				
2-Hexanone	8.17		"	10.0		81.7	51-146				
4-Methyl-2-pentanone	7.93		"	10.0		79.3	57-145				
Acetone	10.2		"	10.0		102	14-150				
Acrolein	2.20		"	10.0		22.0	10-153				
Acrylonitrile	10.5		"	10.0		105	51-150				
Benzene	10.4		"	10.0		104	85-126				
Bromochloromethane	10.8		"	10.0		108	77-128				
Bromodichloromethane	9.04		"	10.0		90.4	79-128				

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 BF01531 - EPA 5030B											
LCS (BF01531-BS1) LCS							Prepared & Analyzed: 06/26/2020				
Bromoform	8.53		ug/L	10.0		85.3	78-133				
Bromomethane	6.03		"	10.0		60.3	43-168				
Carbon disulfide	10.9		"	10.0		109	68-146				
Carbon tetrachloride	10.4		"	10.0		104	77-141				
Chlorobenzene	9.86		"	10.0		98.6	88-120				
Chloroethane	13.1		"	10.0		131	65-136				
Chloroform	10.9		"	10.0		109	82-128				
Chloromethane	13.0		"	10.0		130	43-155				
cis-1,2-Dichloroethylene	11.3		"	10.0		113	83-129				
cis-1,3-Dichloropropylene	9.13		"	10.0		91.3	80-131				
Cyclohexane	10.7		"	10.0		107	63-149				
Dibromochloromethane	8.99		"	10.0		89.9	80-130				
Dibromomethane	8.88		"	10.0		88.8	72-134				
Dichlorodifluoromethane	14.7		"	10.0		147	44-144	High Bias			
Ethyl Benzene	9.75		"	10.0		97.5	80-131				
Hexachlorobutadiene	9.66		"	10.0		96.6	67-146				
Isopropylbenzene	9.19		"	10.0		91.9	76-140				
Methyl acetate	10.1		"	10.0		101	51-139				
Methyl tert-butyl ether (MTBE)	9.39		"	10.0		93.9	76-135				
Methylcyclohexane	8.38		"	10.0		83.8	72-143				
Methylene chloride	10.7		"	10.0		107	55-137				
n-Butylbenzene	9.01		"	10.0		90.1	79-132				
n-Propylbenzene	9.09		"	10.0		90.9	78-133				
o-Xylene	9.78		"	10.0		97.8	78-130				
p- & m- Xylenes	19.5		"	20.0		97.4	77-133				
p-Isopropyltoluene	9.47		"	10.0		94.7	81-136				
sec-Butylbenzene	9.10		"	10.0		91.0	79-137				
Styrene	10.0		"	10.0		100	67-132				
tert-Butyl alcohol (TBA)	9.10		"	50.0		18.2	25-162	Low Bias			
tert-Butylbenzene	8.82		"	10.0		88.2	77-138				
Tetrachloroethylene	9.52		"	10.0		95.2	82-131				
Toluene	9.43		"	10.0		94.3	80-127				
trans-1,2-Dichloroethylene	11.3		"	10.0		113	80-132				
trans-1,3-Dichloropropylene	8.95		"	10.0		89.5	78-131				
Trichloroethylene	9.45		"	10.0		94.5	82-128				
Trichlorofluoromethane	13.3		"	10.0		133	67-139				
Vinyl Chloride	13.4		"	10.0		134	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.45*		*"*	*10.0*		*94.5*	*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 BF01531 - EPA 5030B											
LCS Dup (BF01531-BSD1) LCS Dup								Prepared & Analyzed: 06/26/2020			
1,1,1,2-Tetrachloroethane	8.62		ug/L	10.0		86.2	82-126		11.8	30	
1,1,1-Trichloroethane	9.47		"	10.0		94.7	78-136		15.0	30	
1,1,2,2-Tetrachloroethane	7.99		"	10.0		79.9	76-129		9.99	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.2		"	10.0		102	54-165		14.1	30	
1,1,2-Trichloroethane	8.13		"	10.0		81.3	82-123	Low Bias	11.0	30	
1,1-Dichloroethane	8.95		"	10.0		89.5	82-129		14.3	30	
1,1-Dichloroethylene	9.78		"	10.0		97.8	68-138		14.6	30	
1,2,3-Trichlorobenzene	6.34		"	10.0		63.4	76-136	Low Bias	7.88	30	
1,2,3-Trichloropropane	8.49		"	10.0		84.9	77-128		11.3	30	
1,2,4-Trichlorobenzene	7.41		"	10.0		74.1	76-137	Low Bias	9.27	30	
1,2,4-Trimethylbenzene	8.74		"	10.0		87.4	82-132		13.6	30	
1,2-Dibromo-3-chloropropane	6.71		"	10.0		67.1	45-147		6.77	30	
1,2-Dibromoethane	8.26		"	10.0		82.6	83-124	Low Bias	9.13	30	
1,2-Dichlorobenzene	8.71		"	10.0		87.1	79-123		11.9	30	
1,2-Dichloroethane	9.42		"	10.0		94.2	73-132		11.0	30	
1,2-Dichloropropane	7.91		"	10.0		79.1	78-126		11.3	30	
1,3,5-Trimethylbenzene	8.61		"	10.0		86.1	80-131		12.9	30	
1,3-Dichlorobenzene	8.71		"	10.0		87.1	86-122		12.1	30	
1,4-Dichlorobenzene	8.81		"	10.0		88.1	85-124		12.4	30	
1,4-Dioxane	270		"	210		129	10-349		17.0	30	
2-Butanone	7.06		"	10.0		70.6	49-152		16.0	30	
2-Hexanone	7.49		"	10.0		74.9	51-146		8.68	30	
4-Methyl-2-pentanone	7.31		"	10.0		73.1	57-145		8.14	30	
Acetone	9.02		"	10.0		90.2	14-150		12.6	30	
Acrolein	1.75		"	10.0		17.5	10-153		22.8	30	
Acrylonitrile	9.40		"	10.0		94.0	51-150		11.0	30	
Benzene	9.12		"	10.0		91.2	85-126		13.5	30	
Bromochloromethane	9.36		"	10.0		93.6	77-128		13.9	30	
Bromodichloromethane	8.09		"	10.0		80.9	79-128		11.1	30	
Bromoform	7.80		"	10.0		78.0	78-133		8.94	30	
Bromomethane	4.91		"	10.0		49.1	43-168		20.5	30	
Carbon disulfide	9.02		"	10.0		90.2	68-146		18.6	30	
Carbon tetrachloride	8.99		"	10.0		89.9	77-141		14.4	30	
Chlorobenzene	8.67		"	10.0		86.7	88-120	Low Bias	12.8	30	
Chloroethane	11.2		"	10.0		112	65-136		15.1	30	
Chloroform	9.37		"	10.0		93.7	82-128		14.9	30	
Chloromethane	11.0		"	10.0		110	43-155		17.0	30	
cis-1,2-Dichloroethylene	9.74		"	10.0		97.4	83-129		14.5	30	
cis-1,3-Dichloropropylene	7.99		"	10.0		79.9	80-131	Low Bias	13.3	30	
Cyclohexane	9.34		"	10.0		93.4	63-149		13.6	30	
Dibromochloromethane	8.19		"	10.0		81.9	80-130		9.31	30	
Dibromomethane	7.96		"	10.0		79.6	72-134		10.9	30	
Dichlorodifluoromethane	12.4		"	10.0		124	44-144		17.0	30	
Ethyl Benzene	8.62		"	10.0		86.2	80-131		12.3	30	
Hexachlorobutadiene	8.38		"	10.0		83.8	67-146		14.2	30	
Isopropylbenzene	8.08		"	10.0		80.8	76-140		12.9	30	
Methyl acetate	9.14		"	10.0		91.4	51-139		10.4	30	
Methyl tert-butyl ether (MTBE)	8.52		"	10.0		85.2	76-135		9.72	30	
Methylcyclohexane	7.49		"	10.0		74.9	72-143		11.2	30	
Methylene chloride	9.37		"	10.0		93.7	55-137		13.3	30	
n-Butylbenzene	7.88		"	10.0		78.8	79-132	Low Bias	13.4	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 BF01531 - EPA 5030B											
LCS Dup (BF01531-BSD1) LCS Dup								Prepared & Analyzed: 06/26/2020			
n-Propylbenzene	7.99		ug/L	10.0		79.9	78-133		12.9	30	
o-Xylene	8.64		"	10.0		86.4	78-130		12.4	30	
p- & m- Xylenes	17.2		"	20.0		86.2	77-133		12.1	30	
p-Isopropyltoluene	8.30		"	10.0		83.0	81-136		13.2	30	
sec-Butylbenzene	8.14		"	10.0		81.4	79-137		11.1	30	
Styrene	8.95		"	10.0		89.5	67-132		11.5	30	
tert-Butyl alcohol (TBA)	7.65		"	50.0		15.3	25-162	Low Bias	17.3	30	
tert-Butylbenzene	7.70		"	10.0		77.0	77-138		13.6	30	
Tetrachloroethylene	8.40		"	10.0		84.0	82-131		12.5	30	
Toluene	8.31		"	10.0		83.1	80-127		12.6	30	
trans-1,2-Dichloroethylene	9.61		"	10.0		96.1	80-132		16.5	30	
trans-1,3-Dichloropropylene	7.90		"	10.0		79.0	78-131		12.5	30	
Trichloroethylene	8.19		"	10.0		81.9	82-128	Low Bias	14.3	30	
Trichlorofluoromethane	11.5		"	10.0		115	67-139		14.7	30	
Vinyl Chloride	11.3		"	10.0		113	58-145		16.5	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.42*		*"*	*10.0*		*94.2*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.77*		*"*	*10.0*		*97.7*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20F0952-01	MW-52_2020.06.24	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20F0952-02	Trip Blank	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

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.
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. 20F0952

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: Langan CT	Company:	Company:	140080120	RUSH - Next Day
Address: 555 Long Wharf Drive, New Haven CT	Address: SAME	Address: SAME	YOUR Project Name: Kings Plaza OU-3	RUSH - Two Day
Phone.: 203-733-2970	Phone.:	Phone.:		RUSH - Three Day
Contact: John FitzPatrick	Contact:	Contact:		RUSH - Four Day
E-mail: jfitzpatrick@langan.com	E-mail:	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.

John FitzPatrick

Samples Collected by: (print your name above and sign below)

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 | NJDEP SRP HazSite
NJDKQP | Other:

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
MW-52_2020.06.24	GW	6/24/20 10:45	VOCs	3 VOA vials
Trip Blank	—	—	↓	2 VOA vials

Comments:

Preservation: (check all that apply)
HCl X 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
[signature]	6/24/20 1312				
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**
				[signature]	6/24/20 1312 / 2.1 Degrees C

ATTACHMENT 2

Field Logs

LANGAN

Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	Kings Plaza Mall	**Well No:**	MW-52	**Water Quality Device Model:**	YSI 6820	**Weather:**	40s clear	**Sample(s):**	MW-52_2020.03.02
Project Number:	140080117	**Well Depth:**	15.21	**US Environmental Number:**	98C0697AB	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, NY	**Well Diameter:**	2	**Pump Make and Model:**	GeoPump	**PID Beneath Inner Cap (ppm):**	8.6		
Sampling Personnel:	JF	**Well Screen**	5	**US Environmental Number:**	687AL	**Pump Intake Depth:**	12.20	**Sample Date:**	3/2/2020
		Interval:	15	**Tubing Diameter:**	1/4	**Depth to Water Before Purge:**	6.07	**Sample Time:**	15:20

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY uS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (mlpm)	Cumulative Discharge Volume (ml)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
14:50							6.21	200.0	200	clear strong odor	**N/A**
14:55	11.73	7.37	-96	384.000	6.7	1.94	6.21	200.0	400		**N/A**
15:00	11.53	7.25	-101	361.000	6.2	0.73	6.21	200.0	600		**N**
15:05	11.46	7.23	-103	354.000	5.6	0.74	6.21	200.0	800		**N**
15:10	11.34	7.21	-106	346.000	4.6	0.58	6.21	200.0	1000		**N**
15:15	11.29	7.21	-108	345.000	4.1	0.56	6.21	200.0	1200		**N**
15:20	11.26	7.21	-109	344.000	4.3	0.59	6.21	200.0	1400	Collect sample	**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
2. Well and tubing diameters are measured in inches.
3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
8. DTW = Depth to water
9. mS/cm = milli-Siemens per centimeter
10. NTU = Nephelometric Turbidity Unit

Project Information		**Well Information**		**Equipment Information**		**Sampling Conditions**		**Sampling Information**	
Project Name:	Kings Plaza Mall	**Well No:**	MW-52	**Water Quality Device Model:**	YSI 6920 V2	**Weather:**	40s and overcast	**Sample(s):**	MW-52_2020.03.31
Project Number:	140080120	**Well Depth:**	15.21	**US Environmental Number:**	15E101093	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, NY	**Well Diameter:**	2	**Pump Make and Model:**	N/A	**PID Beneath Inner Cap (ppm):**	19.3		
Sampling	JF	**Well Screen**	5	**US Environmental Number:**	N/A	**Pump Intake Depth:**	12.00	**Sample Date:**	3/31/2020
Personnel:		**Interval:**	15	**Tubing Diameter:**	1/4	**Depth to Water Before Purge:**	5.87	**Sample Time:**	11:25

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
11:00							6.04	200.0	200	Clear Strong Odor	**N/A**
11:05	11.72	7.34	-118	330.000	1.4	0.97	6.06	200.0	400		**N/A**
11:10	11.96	7.37	-119	330.000	2.1	0.64	6.06	200.0	600		**N**
11:15	11.96	7.36	-118	336.000	2.0	0.59	6.07	200.0	800		**N**
11:20	11.98	7.35	-119	334.000	1.8	0.56	6.07	200.0	1000		**N**
11:25	11.99	7.36	-120	330.000	1.8	0.55	6.07	200.0	1200	Collect Sample	**Y**

Notes:

1. Well depths and groundwater depths were measured in feet below the top of well casing.
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3. PID = Photoionization Detector
4. PPM = Parts per million
5. pH = Hydrogen ion concentration
6. ORP = Oxidation-reduction potential, measured in millivolts (mV)
7. DO = Dissolved Oxygen, measured in milligrams per liter (mg/L)
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Project Information		Well Information		Equipment Information		Sampling Conditions		Sampling Information	
Project Name:	Kings Plaza Mall	**Well No:**	MW-52	**Water Quality Device Model:**	Horiba	**Weather:**	70s and Overcast	**Sample(s):**	MW-52_2020.06.24
Project Number:	140080120	**Well Depth:**	15.21	**US Environmental Number:**	YXU8V8VU	**Background PID (ppm):**	0.0		
Site Location:	Brooklyn, NY	**Well Diameter:**	2	**Pump Make and Model:**	GeoPump	**PID Beneath Inner Cap (ppm):**	29.7		
Sampling Personnel:	JF	**Well Screen Interval:**	5 15	**US Environmental Number:**	N/A	**Pump Intake Depth:**	12.00	**Sample Date:**	6/24/2020
				Tubing Diameter:	1/4	**Depth to Water Before Purge:**	6.1	**Sample Time:**	10:45

STABILIZATION = 3 successive readings within limits

TIME	TEMP °Celsius (+/- 3%)	PH (+/- 0.1)	ORP mV (+/- 10mV)	CONDUCTIVITY mS/cm (+/- 3%)	TURBIDITY ntu (+/- 10%) above 5 NTU	DO mg/l (+/- 10%) above 0.5 mg/l	DTW ft Drawdown < 0.33 ft	Flow Rate (gpm) <0.13 gpm)	Cumulative Discharge Volume (Gal)	NOTES color, odor etc.	Stabilized?
BEGIN PURGING											
10:05							6.32	200	200	Clear	**N/A**
10:10	20.05	6.42	-40	0.408	0.0	8.75	6.33	200	400	Strong Odor	**N/A**
10:15	19.34	6.55	-78	0.386	0.0	9.93	6.33	200	600		**N**
10:20	19.34	6.59	-91	0.385	0.0	10.68	6.34	200	800		**N**
10:25	19.30	6.61	-97	0.384	0.0	11.04	6.34	200	1000		**N**
10:30	19.28	6.63	-103	0.384	0.0	11.28	6.34	200	1200		**N**
10:35	19.27	6.64	-105	0.384	0.0	11.46	6.34	200	1400		**Y**
10:40	19.28	6.64	-106	0.384	0.0	11.48	6.34	200	1600		**Y**
10:45	19.28	6.64	-107	0.384	0.0	11.49	6.34	200	1800	Collect Sample	**Y**

Notes:

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ATTACHMENT 3

Manifest

LANGAN

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number: Not Required

2. Page 1 of: 1

3. Emergency Response Phone: 732-613-1660

4. Waste Tracking Number:

5. Generator's Name and Mailing Address

Brooklyn Kings Plaza, LLC
401 Wilshire Blvd
Santa Monica, CA 90401

Generator's Phone: 424-229-3467

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

East 55th St (Corner of E 55th & Ave U)
Brooklyn, NY 11234

6. Transporter 1 Company Name: WI Lauer Corp

U.S. EPA ID Number: NYR000157644

7. Transporter 2 Company Name:

U.S. EPA ID Number:

8. Designated Facility Name and Site Address

Clean Water of New York
3249 Richmond Terrace/P.O. Box 030312
Staten Island, NY 10303-0312

Facility's Phone: 718-981-4600

U.S. EPA ID Number: NY0000968545

GENERATOR

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non RCRA Non DOT Liquids	001	TT		G	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information

1. Oily Water - Approval # 242-230

AWT P.O. # 16929-BED

TWM6

Arrival 6:45
Start pump 8:40
Stop pump 14:40
Depart:

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: John Fitzpatrick (Lauer) on behalf of Brooklyn Kings Plaza LLC

Signature:

Month: 03 Day: 24 Year: 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: Wendy Taveras

Signature:

Month: 03 Day: 24 Year: 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:

DESIGNATED FACILITY TO GENERATOR

169-BLC-O 5 11977 (Rev. 9/09)