GROUNDWATER SAMPLING REPORT

"BETHPAGE HIGH SCHOOL"
10 CHERRY AVENUE
BETHPAGE, NEW YORK 11714

PREPARED FOR:
BETHPAGE UNION FREE SCHOOL DISTRICT
10 CHERRY AVENUE
BETHPAGE, NEW YORK 11714

JCB PROJECT #: 21-49924
SEPTEMBER 2021

J.C. BRODERICK & ASSOCIATES, INC.
Environmental Consulting & Testing

1775 Expressway Drive North
Hauppauge, New York 11788
631-584-5492 Fax: 631-584-3395

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Section No. 1.0: Introduction

J.C. Broderick and Associates, Inc. (JCB) was retained by the Bethpage Union Free School District to perform annual groundwater sampling and analysis from three (3) existing groundwater monitoring wells located at the Bethpage High School.

Section No. 2.0: Site Description and Location

The subject site is located at 10 Cherry Avenue, Bethpage, New York 11714. The subject site is located on the south side of Cherry Avenue, between Stewart Avenue to the west and Broadway to the east. According to the United States Geological Survey (USGS) *Huntington, New York 1992 7.5 Minute Series* Topographical Map, the subject site is situated at an approximate elevation of 121 feet above mean sea level. The location of the subject site is shown on the Site Location Map Appendix-A Figure-1.

Section No. 3.0: Subsurface Investigation Procedures

The following sections summarizes the subsurface investigation performed. Please refer to the attachments of this document for additional details.

Section No. 3.1: Monitoring Well Gauging

On September 16, 2021, JCB checked the groundwater monitoring wells for the presence of light non-aqueous phase liquid (LNAPL) utilizing a Solinst® Model 122 Product/Water Interface Probe and depth to the groundwater table was recorded to the nearest 0.01 ft.

The following table summarizes the groundwater data:

Table No. 1:
Depth to Groundwater Gauged with Interface Meter

Well Number	Casing Elevation (ft)	Depth to Product (ft)	Depth to Groundwater (ft)	Groundwater Elevation (ft)
MW-5	118.88	No Product	50.13	68.75
MW-6	119.04	No Product	50.72	68.32
MW-7	118.72	No Product	50.75	67.97

Notes:
ft = Feet

Section No. 3.2: Groundwater Sampling

On September 16, 2021, JCB collected three (3) groundwater samples from the replacement groundwater monitoring wells (MW-5, MW-6, and MW-7). Prior to sampling, the casing volume of each monitoring well was calculated and a minimum of three (3) casing volumes of water were purged utilizing a check valve. During the purging process, specific groundwater parameters were monitored by a YSI Multi-meter.

The following table summarizes the purged water testing.

Table No. 2: Groundwater Monitoring During Sample Collection					
MW-5	**DTW (ft)**	**TD (ft)**	**Water Column (ft)**		
	50.13	62.55	12.42		
Time	**Temp (°C)**	**TDS (g/l)**	**DO (%)**	**pH**	**ORP (mV)**
8:15	16.17	0.367	2.59	7..44	153.4
8:20	15.99	0.457	2.57	7.40	161.6
8:25	15.72	0.522	2.48	7.36	163.1
Samples Collected					
MW-6	**DTW (ft)**	**TD (ft)**	**Water Column (ft)**		
	50.72	62.40	11.68		
Time	**Temp (°C)**	**TDS (g/l)**	**DO (%)**	**pH**	**ORP (mV)**
8:45	22.74	0.127	2.40	7.72	146.2
8:50	22.92	0.122	2.41	7.46	150.9
8:55	22.95	0.123	2.40	7.44	152.6
Samples Collected					
MW-7	**DTW (ft)**	**TD (ft)**	**Water Column (ft)**		
	50.75	62.83	12.08		
Time	**Temp (°C)**	**TDS (g/l)**	**DO (%)**	**pH**	**ORP (mV)**
9:15	20.15	0.501	3.03	7.10	161.2
9:20	20.20	0.505	2.97	7.11	161.3
9:25	20.31	0.505	2.97	7.08	164.3
Samples Collected					

Notes:
DTW = Depth to Groundwater Table
TD = Total Depth of Well
Temp = Temperature in degrees Celsius
TDS = Total Dissolved Solids on grams per liter
DO = Dissolved Oxygen in percent
pH = Potential of Hydrogen, unitless
ORP = Oxygen-Reduction Potential in millivolts

The following table summarizes the groundwater samples submitted for laboratory analysis:

Table No. 3: Summary of Groundwater Samples Submitted for Laboratory Analysis			
Sample ID#	**Date Sampled**	**Description of Sample**	**Analysis Method**
MW-5	9-16-2021	Monitoring Well No. 5	EPA 8260 + Freon EPA 903.0 EPA 904.0
MW-6	9-16-2021	Monitoring Well No. 6	EPA 8260 + Freon EPA 903.0 EPA 904.0
MW-7	9-16-2021	Monitoring Well No. 7	EPA 8260 + Freon EPA 903.0 EPA 904.0

Notes:
EPA = Environmental Protection Agency

Section No. 4.0: Groundwater Laboratory Analytical Summary

Groundwater samples selected for laboratory analysis were placed into laboratory supplied containers, assigned individual identification numbers and then placed into an appropriately conditioned cooler. Chain of Custody documents were prepared, and the samples were then delivered to an independent New York State Department of Health (NYSDOH) Environmental Laboratory Approval Program (ELAP) certified laboratory for analysis.

Groundwater samples submitted for laboratory analysis were analyzed for volatile organic compounds (VOCs) plus Freon utilizing Environmental Protection Agency (EPA) Method 8260. York Analytical Laboratories, Inc. (York) provided laboratory analytical services. Copies of York's NYSDOH certifications are available upon request

Groundwater samples submitted for laboratory analysis were also analyzed for Radium 226 utilizing EPA Method 903.0, and for Radium 228 utilizing EPA Method 904.0. EMSL Analytical, Inc. (EMSL) provided laboratory analytical services. Copies of EMSL's NYSDOH certifications are available upon request.

The laboratory analytical results for the groundwater samples were reviewed and compared to Table No. 1 of the *Ambient Water Quality Standards and Guidance Values of the New York State Department of Environmental Conservation, Division of Water, Technical and Operational Guidance Series (TOGS) (1.1.1).*

The following table summarizes the detected VOC analytical results in groundwater:

Table No. 4:
Summary of Groundwater Sample Detected Analytical Results

Sample ID **York ID** **Sampling Date** **Client Matrix**	**NYSDEC TOGS Standards and Guidance Values - GA**	**MW-5** **21I0786-01** **9/16/2021** **Water**		**MW-6** **21I0786-02** **9/16/2021** **Water**		**MW-7** **21I0786-03** **9/16/2021** **Water**	
Compound		Result	Q	Result	Q	Result	Q
Volatile Organics, 8260 - Comprehensive	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
1,1-Dichloroethane	5	0.200	U	0.300	J	0.320	J
Chloroform	7	0.200	U	0.370	J	0.200	U
Toluene	5	0.340	J	0.270	J	0.420	J
Volatile Organics, Freon-113	ug/L	ug/L		ug/L		ug/L	
Dilution Factor		1		1		1	
NOTES:							
Any Regulatory Exceedences are color coded by Regulation							
Q is the Qualifier Column with definitions as follows:							
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							

The review of the laboratory VOC analysis revealed the following significant findings:

The laboratory analysis results from the groundwater samples submitted from MW-5, MW-6, and MW-7 did indicate detectable concentrations of 1,1-dichloroethane, chloroform, and toluene; however, the levels reported were below the above referenced guidance values for groundwater.

The following table summarizes the Radium analytical results in groundwater:

Table No. 5: Summary of Groundwater Radon Samples Analytical Results				
Client Sample ID	**Allowable Standards**	**MW-5**	**MW-6**	**MW-7**
EPA 903.0 & EPA 904	**pCi/L**	**9/16/2021**	**9/16/2021**	**9/16/2021**
Radium 226 (pCi/L)	3.0	0.381	0.0219	0.892
Radium 228 (pCi/L)	5.0	0.820	0.26	1.54
Notes: pCi/L = picocuries per liter				

The review of the laboratory Radium analysis revealed the following significant findings:

The laboratory analysis results from the groundwater samples submitted from MW-5, MW-6, and MW-7 did indicate detectable concentrations of Radium 226 and Radium 228; however, the levels reported were below the above referenced guidance values for groundwater.

Section No. 5.0: Quality Assurance and Quality Control (QA/QC) Procedures

In order to prevent cross-contamination between sampling locations, all re-usable sampling equipment which came into contact with sample materials was decontaminated prior to each use. Equipment used for sample collection was wiped clean, washed in a solution of Alconox and thoroughly rinsed with potable water. New and dedicated polyethylene tubing was used for collection of each groundwater sample. All sampling personnel wore disposable latex, nylon, or nitrile gloves during sampling events. At a minimum, gloves were changed before each laboratory sample was collected. All collected samples were placed into an appropriately conditioned cooler for storage and were transported to the laboratory. Samples were maintained between 0°C and 8°C.

Section No. 6.0: Conclusions and Recommendations

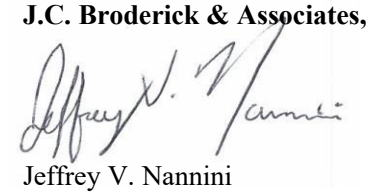
Based on the findings of the current data collected during the subsurface investigation performed and reported to JCB, the following observations are made:

The laboratory analysis results from the groundwater samples submitted did not indicate any elevated concentrations of any VOCs or Freon above the NYSDEC TOGS 1.1.1 guidance values for groundwater.

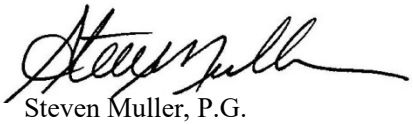
The laboratory analysis results from the groundwater samples submitted did not indicate any elevated concentrations of Radium 226 and Radium 228 above the NYSDEC TOGS 1.1.1 guidance values for groundwater.

Based upon the detected concentrations of VOCs and Radium in the collected groundwater samples it is recommended that periodic groundwater and volatile vapor intrusion (VVI) sampling be continued to monitor site conditions. VVI sampling is currently scheduled for March 2022.

Sincerely,
J.C. Broderick & Associates, Inc.

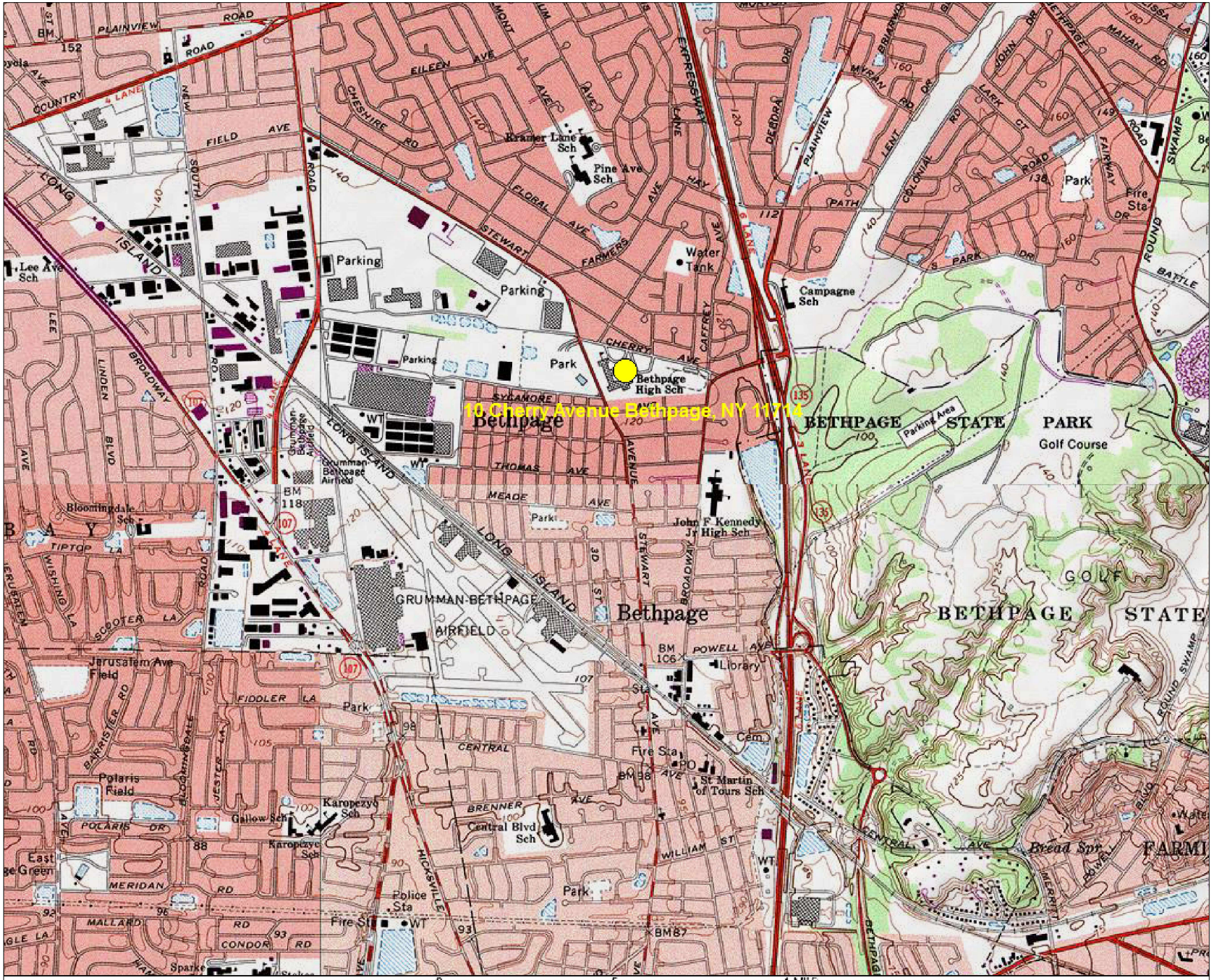


Jeffrey V. Nannini
Environmental Scientist



Steven Muller, P.G.
Director – Subsurface Division

Appendix A
Figures



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Notes:

Bethpage High School
10 Cherry Avenue
Bethpage, NY 11714

Drawing Title

Figure No. 1

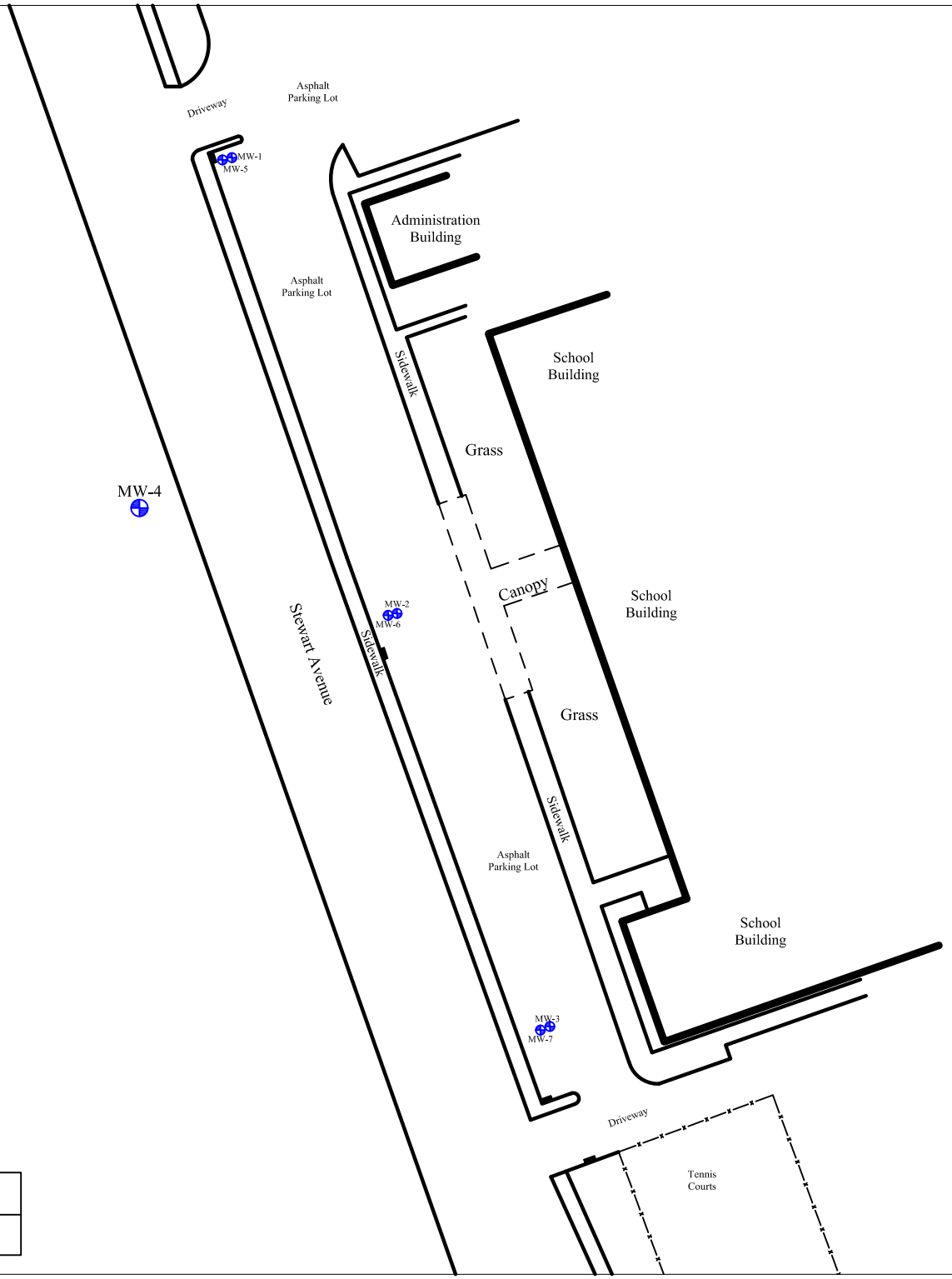
Site Location Map

Scale	Project No.	Date
As Noted	21-49924	09-16-2021

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	1 of 3

Drawing No.

1



PROJECT NORTH

20 0 40 80

Scale in feet

JCB LEGEND

GROUNDWATER MONITORING WELL

J.C. BRODERICK & Associates
Environmental Consulting and Testing
1775 Expressway Drive North
Hauppauge, NY 11788
Phone: (631).584.5492
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Notes:

Bethpage High School
10 Cherry Avenue
Bethpage, NY 11714

Drawing Title

Figure No. 2

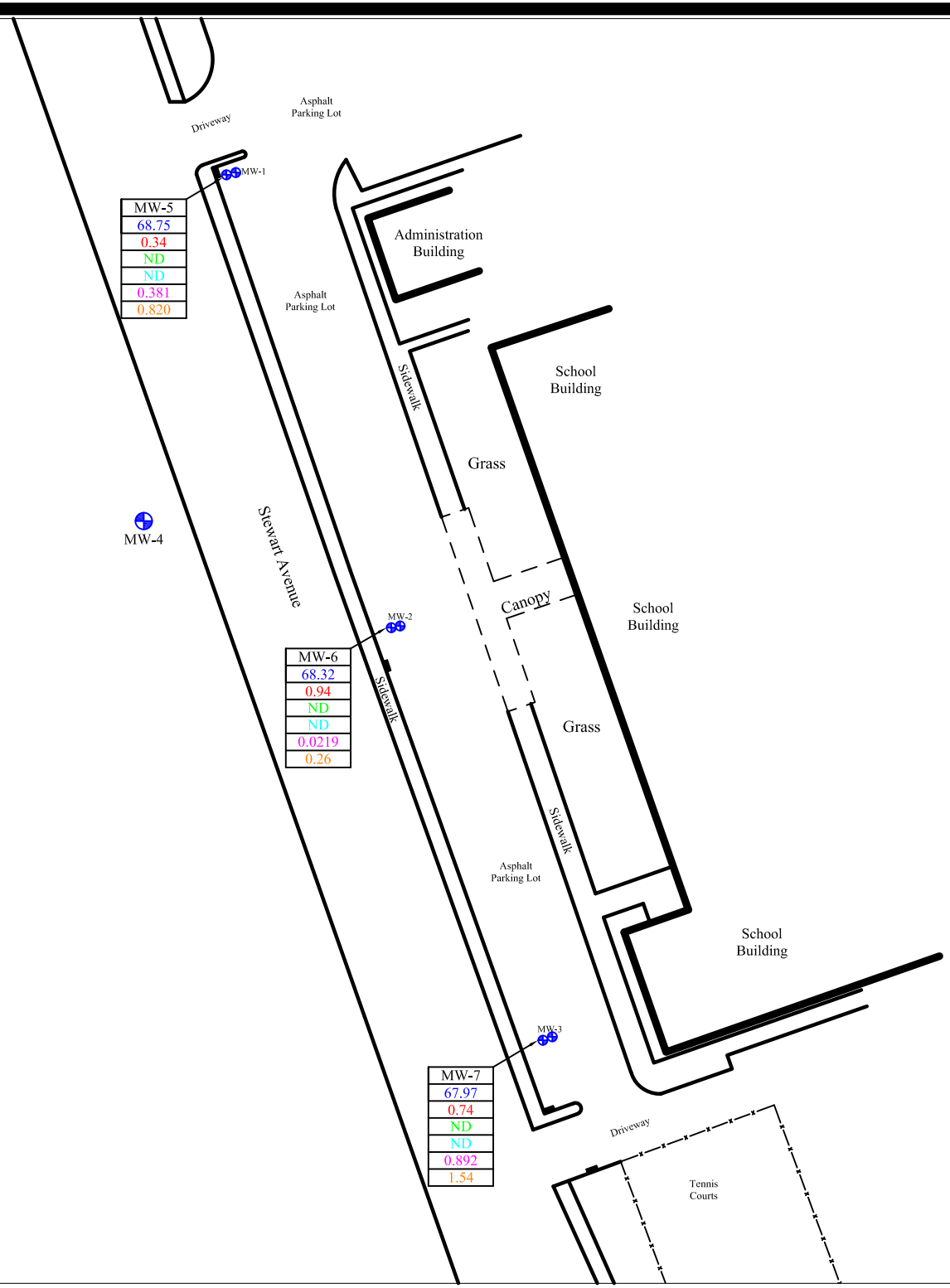
Groundwater Monitoring Well Locations Map

Scale	Project No.	Date
As Noted	21-49924	09-16-2021

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	2 of 3

Drawing No.

2



PROJECT NORTH

20 0 40 80

Scale in feet

WELL NUMBER
GROUNDWATER ELEVATION (ft)
TOTAL VOCs (µg/L)
FREON 12 (µg/L)
FREON 22 (µg/L)
RADIUM 226 (pCi/L)
RADIUM 228 (pCi/L)

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Notes:

Bethpage High School
10 Cherry Avenue
Bethpage, NY 11714

Drawing Title

Figure No. 3

Analytical Results Map

Scale	Project No.	Date
As Noted	21-49924	09-16-2021

Drawn By	Checked By	Page No.
J.V.N.	S.W.M.	3 of 3

Drawing No.

3

Appendix B
Field Photograph Logs

Groundwater Monitoring Well Locations
MW-1 **MW-5**

Field Photograph Log

Groundwater Sampling Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 01 **JCB#: 21-49924**

Groundwater Monitoring Well Locations
MW-2 MW-6

Field Photograph Log

Groundwater Sampling Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 02

JCB#: 21-49924

Groundwater Monitoring Well Locations
MW-3 **MW-7**

Field Photograph Log

Groundwater Sampling Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 03 **JCB#: 21-49924**

Groundwater Sampling Equipment

Field Photograph Log

Groundwater Sampling Report

Bethpage High School
10 Cherry Avenue
Bethpage, New York 11714

Photo No. 04

JCB#: 21-49924

Appendix C
Laboratory Analysis Report

Technical Report

prepared for:

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

Report Date: 09/21/2021
Client Project ID: 21-49924 Bethpage High School
York Project (SDG) No.: 21I0786

Report Date: 09/21/2021
Client Project ID: 21-49924 Bethpage High School
York Project (SDG) No.: 21I0786

J.C. Broderick
1775 North Express Drive
Hauppauge NY, 11788
Attention: Steven Muller

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 September 17, 2021 and listed below. The project was identified as your project: **21-49924 Bethpage High School**.

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
21I0786-01	MW-5	Water	09/16/2021	09/17/2021
21I0786-02	MW-6	Water	09/16/2021	09/17/2021
21I0786-03	MW-7	Water	09/16/2021	09/17/2021

General Notes for York Project (SDG) No.: 21I0786

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:** 09/21/2021

Cassie L. Mosher
Laboratory Manager

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 21I0786-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 21I0786-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 21I0786-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
108-88-3	**Toluene**	**0.34**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 13:42	PD CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP

Surrogate Recoveries	Result	Acceptance Range

Sample Information

Client Sample ID: MW-5 **York Sample ID:** 21I0786-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*			*69-130*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.5 %*			*81-117*						
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.6 %*			*79-122*						

Volatile Organics, Freon-113

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C	09/20/2021 09:00	09/20/2021 13:42	PD
								Certifications:	CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP		

Surrogate Recoveries	Result	Acceptance Range
17060-07-0 *Surrogate: SURR: 1,2-Dichloroethane-d4*	*107 %*	*65-135*
460-00-4 *Surrogate: SURR: p-Bromofluorobenzene*	*98.6 %*	*81-114*
2037-26-5 *Surrogate: SURR: Toluene-d8*	*90.5 %*	*86-118*

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 21I0786-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-34-3	**1,1-Dichloroethane**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/20/2021 09:00	09/20/2021 14:10	PD
								Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP		

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 21I0786-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: **MW-6** **York Sample ID:** **21I0786-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-66-3	**Chloroform**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 21I0786-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-88-3	**Toluene**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.6 %*	*79-122*

Volatile Organics, Freon-113

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:10 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*65-135*

Sample Information

Client Sample ID: MW-6 **York Sample ID:** 21I0786-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, Freon-113

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
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.6 %*			*81-114*						
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.7 %*			*86-118*						

Sample Information

Client Sample ID: MW-7 **York Sample ID:** 21I0786-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
75-34-3	**1,1-Dichloroethane**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	09/20/2021 14:38	PD

Sample Information

Client Sample ID: MW-7 **York Sample ID:** 21I0786-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: MW-7 **York Sample ID:** 21I0786-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP	PD
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	2.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
108-88-3	**Toluene**	**0.42**	J	ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD

Sample Information

Client Sample ID: MW-7 **York Sample ID:** 21I0786-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21I0786	21-49924 Bethpage High School	Water	September 16, 2021 3:00 pm	09/17/2021

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP	PD
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*	*79-122*

Volatile Organics, Freon-113

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
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	2.5	5.0	1	EPA 8260C Certifications:	09/20/2021 09:00	09/20/2021 14:38 CTDOH,NELAC-NY10854,NJDEP,NELAC-NY12058,PADEP	PD

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*108 %*	*65-135*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.8 %*	*81-114*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*89.6 %*	*86-118*

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
21I0786-01	MW-5	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21I0786-02	MW-6	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
21I0786-03	MW-7	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.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-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. 21I0786

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time
Company: SC Broderick	Company: SCB	Company: SCB	21-49924	RUSH - Next Day
Address: 1775 Expressway Dr. North Hauppauge, NY 11788	Address:	Address:	**YOUR Project Name** Bethpage High School	RUSH - Two Day
Phone: (631) 584-5492	Phone:	Phone:		RUSH - Three Day
Contact: Steve Moller	Contact:	Contact:		RUSH - Four Day
E-mail: Smoller@scbroderick.com	E-mail:	E-mail:	YOUR PO#:	**Standard (5-7 Day)** ✓

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Jose Roldan
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 ✓
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-5	GW	9/16/2021	EPA 8260 ~~8270~~ SIM & Ferro	(3) 40mL VOAs
MW-6	↓	↓	↓	↓
MW-7	↓	↓	↓	↓

Comments:
Bethpage High School
10 Cherry Avenue Bethpage, New York 11714

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

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
SCB	9/16/2021	[signature]	9/17/21 1140AM	[signature]	9/17/21 1630
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] 9/17/21 1630	2.1 Degrees C

EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | http://www.EMSL.com

EMSL ORDER ID: 782107597
EMSL CUSTOMER ID: JCBR50

Reported Date: 10/27/2021
Current Rev R0
Final Comment 0

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 09/23/2021 at 20:00. The results are tabulated on the attached data pages for the following client designated project:

Bethpage HS

The reference number for these samples is EMSL Order #782107597. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.

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EMSL ORDER ID: 782107597
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 08:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782107597-0001	MW-5	9/16/2021	8:30 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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EMSL ORDER ID: 782107597
EMSL CUSTOMER ID: JCBR50

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J.C. Broderick & Associates
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Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 08:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Analytical Report

Sample Identification: MW-5 ***Lab Sample #: 782107597-0001*** ***Date/Time Collected: 9/16/2021 08:30 AM***

Test Parameter	*Units*	*Result*	*Uncertainty*	*SDWA DL*	*Start Count Date/ Time*	*End Count Date/ Time*	*Analyst*	*Status Count*	*Method*	*Comment*
Ra-228 - EPA 904.0	pCi/L	0.820	0.450	0.420	10/18/2021 18:04	10/18/2021 21:24	JW	Not Applicable	EPA 904.0	
Ra-226-EPA 903.0	pCi/L	0.381	0.0891	0.136	10/27/2021 08:46	10/27/2021 10:26	JW	Not Applicable	EPA 903.0	

Sample Specific Comments

(1)= Analyte was analyzed for, but not detected above the SDWA DL

(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

* The uncertainty reported is an expanded uncertainty of 1.96-sigma.
* For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
* The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidencelevel (1.96σ where σ is the standard deviation of the net counting rate of the sample).
* For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L..
* For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
* If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

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Report Date	**Report Revision**	**Revision Comments**
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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EMSL ORDER ID: 782107597
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Collected: 09/16/2021 08:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Quality Control Report

Sample Identification: MW-5 ***Lab Sample #: 782107597-0001*** ***Date/Time Collected: 9/16/2021 08:30 AM***

Test Parameter	*Tracer/ Carrier 1*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 2*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 3*	*Spike*	*Result*	*% Rec.*	*Q*
Ra-228 - EPA 904.0	*Barium Carrier*	*56.6*	*61.3*	*108*		*Yttrium Carrier*	*28.5*	*23.2*	*81*		*N/A*				
Ra-226-EPA 903.0	*Barium Carrier*	*56.6*	*61.3*	*108*		*N/A*					*N/A*				

% Recovery Criteria

30% - 125%

Qualifier Definitions

C= Carrier recovery was outside of acceptable limits.

T= Tracer recovery was outside of acceptable limits.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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EMSL ORDER ID: 782107598
EMSL CUSTOMER ID: JCBR50

Reported Date: 10/27/2021
Current Rev R0
Final Comment 0

Attention: Steven Muller
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Phone: 631-584-5492
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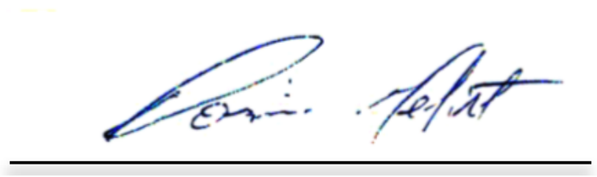
The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 09/23/2021 at 20:00. The results are tabulated on the attached data pages for the following client designated project:

Bethpage HS

The reference number for these samples is EMSL Order #782107598. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.



Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | http://www.EMSL.com

EMSL ORDER ID: 782107598
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 09:00
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782107598-0001	MW-6	9/16/2021	9:00 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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Samples are within quality control criteria and met method specifications unless otherwise noted.

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Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 09:00
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Analytical Report

Sample Identification: MW-6 ***Lab Sample #: 782107598-0001*** ***Date/Time Collected: 9/16/2021 09:00 AM***

Test Parameter	*Units*	*Result*	*Uncertainty*	*SDWA DL*	*Start Count Date/ Time*	*End Count Date/ Time*	*Analyst*	*Status Count*	*Method*	*Comment*
Ra-228 - EPA 904.0	pCi/L	0.260	0.470	0.480	10/18/2021 18:04	10/18/2021 21:24	JW	Not Applicable	EPA 904.0	(1)
Ra-226-EPA 903.0	pCi/L	0.0219	0.0310	0.151	10/27/2021 08:46	10/27/2021 10:26	JW	Not Applicable	EPA 903.0	(1)

Sample Specific Comments

(1)= Analyte was analyzed for, but not detected above the SDWA DL

(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

* The uncertainty reported is an expanded uncertainty of 1.96-sigma.
* For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
* The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidencelevel (1.96σ where σ is the standard deviation of the net counting rate of the sample).
* For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L..
* For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
* If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

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Report Date	**Report Revision**	**Revision Comments**
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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EMSL ORDER ID: 782107598
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Collected: 09/16/2021 09:00
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Quality Control Report

Sample Identification: MW-6 ***Lab Sample #: 782107598-0001*** ***Date/Time Collected: 9/16/2021 09:00 AM***

Test Parameter	*Tracer/ Carrier 1*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 2*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 3*	*Spike*	*Result*	*% Rec.*	*Q*
Ra-228 - EPA 904.0	*Barium Carrier*	*56.6*	*61.5*	*109*		*Yttrium Carrier*	*28.5*	*22.2*	*78*		*N/A*				
Ra-226-EPA 903.0	*Barium Carrier*	*56.6*	*61.5*	*109*		*N/A*					*N/A*				

% Recovery Criteria

30% - 125%

Qualifier Definitions

C= Carrier recovery was outside of acceptable limits.

T= Tracer recovery was outside of acceptable limits.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
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EMSL ORDER ID: 782107599
EMSL CUSTOMER ID: JCBR50

Reported Date: 10/27/2021
Current Rev R0
Final Comment 0

Attention: Steven Muller
J.C. Broderick & Associates
1775 Expressway Drive North, Suite 1
Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 09/23/2021 at 20:00. The results are tabulated on the attached data pages for the following client designated project:

Bethpage HS

The reference number for these samples is EMSL Order #782107599. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

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EMSL ORDER ID: 782107599
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
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Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 09:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782107599-0001	MW-7	9/16/2021	9:30 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

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EMSL ORDER ID: 782107599
EMSL CUSTOMER ID: JCBR50

Attention: Steven Muller
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Hauppauge, NY 11788

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Collected: 09/16/2021 09:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Analytical Report

Sample Identification: MW-7 ***Lab Sample #: 782107599-0001*** ***Date/Time Collected: 9/16/2021 09:30 AM***

Test Parameter	*Units*	*Result*	*Uncertainty*	*SDWA DL*	*Start Count Date/ Time*	*End Count Date/ Time*	*Analyst*	*Status Count*	*Method*	*Comment*
Ra-228 - EPA 904.0	pCi/L	1.54	0.540	0.470	10/18/2021 18:04	10/18/2021 21:24	JW	Not Applicable	EPA 904.0	
Ra-226-EPA 903.0	pCi/L	0.892	0.141	0.186	10/27/2021 08:46	10/27/2021 10:26	JW	Not Applicable	EPA 903.0	

Sample Specific Comments

(1)= Analyte was analyzed for, but not detected above the SDWA DL

(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

* The uncertainty reported is an expanded uncertainty of 1.96-sigma.
* For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
* The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidencelevel (1.96σ where σ is the standard deviation of the net counting rate of the sample).
* For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L..
* For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
* If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

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10/27/2021	R0	Initial Report

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EMSL ORDER ID: 782107599
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Attention: Steven Muller
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Hauppauge, NY 11788

Customer PO: 21-49924
EMSL Project ID:
Project Name: Bethpage HS

Phone: 631-584-5492
Email: smuller@jcbroderick.com

Collected: 09/16/2021 09:30
Received: 09/23/2021 20:00
Analyzed: See Results
Reported: 10/27/2021

Quality Control Report

Sample Identification: MW-7 ***Lab Sample #: 782107599-0001*** ***Date/Time Collected: 9/16/2021 09:30 AM***

Test Parameter	*Tracer/ Carrier 1*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 2*	*Spike*	*Result*	*% Rec.*	*Q*	*Tracer/ Carrier 3*	*Spike*	*Result*	*% Rec.*	*Q*
Ra-228 - EPA 904.0	*Barium Carrier*	*56.6*	*58.1*	*103*		*Yttrium Carrier*	*28.5*	*22.7*	*80*		*N/A*				
Ra-226-EPA 903.0	*Barium Carrier*	*56.6*	*58.1*	*103*		*N/A*					*N/A*				

% Recovery Criteria

30% - 125%

Qualifier Definitions

C= Carrier recovery was outside of acceptable limits.

T= Tracer recovery was outside of acceptable limits.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
10/27/2021	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

Radiochemical Analysis
Chain of Custody

EMSL ANALYTICAL, INC.
LABORATORY • PRODUCTS • TRAINING

EMSL Order Number (Lab Use Only): 782107 –

Contact Name: Steven Muller	**Bill To Company:** JC Broderick and Associates, Inc.	**Sampled By (Sign):**
Company Name: JC Broderick & Associates, Inc.	**Attention To:**	**Sampled By (Name):** Jeffrey Nannini
Address: 1775 Express Drive North	**Address:**	**Total # of Samples:** 3
City: Hauppauge **State:** NY **Zip Code:** 11788	**City:** **State:** **Zip Code:**	**Date of Shipping:** 09-21-2021
Telephone #: 631-584-5492 **Fax :** 631-584-3395	**Telephone #:** **Fax :**	**Sample State/ Zip Code:** New York / 11714
Email: smuller@jcbroderick.com	**Project Name:** Bethpage HS	**Purchase Order:** 21-49924

Turn Around Time: ☐ 4 weeks (Standard) **Client Specific:** ☐ 48 Hours ☐ 96 Hours ☐ 1 week ☐ 2 weeks ■ 3 Weeks

Field Use - All Information Required!					Analytes													
					Gross Alpha													
Client Sample ID	Lab ID (For Lab Use only)	Matrix	Size (mL, g)	Date/Time	NJ 48 Hrs	EPA 900	Gross Beta	Ra-228	Ra-226	Total Uranium	Gamma Emitters	*Actinides (U, Th, Pu, Am)*	Sr-89, Sr-90	I-131	Radon	Tritium	Tc-99	Note
MW-5	597	GW	1,000 ml	9-16-2021 / 8:30 AM				X	X									
MW-6		GW	1,000 ml	9-16-2021 / 9:00 AM				X	X									
MW-7		GW	1,000 ml	9-16-2021 / 9:30 AM				X	X									

Report Requirement*: ☐ Level One ■ Level Two ☐ Level Three

Relinquished by:	Date/ Time	Received by:	Date/ Time		Note
	09-21-2021				Bethpage High School
		AM COURIER	9/23/21	8 pm	10 Cherry Avenue, Bethpage, NY 11714

*Level One =Results only; Level Two = Results and QC; Level Three = Results, QC, Logs, Worksheets, Printout/Spectrum and Calibrations

RECEIVED
EMSL
CINNAMINSON, NJ
21 SEP 23 PM 6:13