New York State Department of Environmental Conservation
Division of Environmental Remediation
Remedial Bureau A, 12th Floor
625 Broadway, Albany, New York 12233-7015
Phone: (518) 402-9620 • **Fax:** (518) 402-9627
Website: www.dec.ny.gov

MEMORANDUM

TO: FILE

FROM: Brian Jankauskas, PE

SUBJECT: **VOC Groundwater Sampling December 2021**

Site Name: Farmingdale Plaza Cleaners **Site Code:** 130107

City: Farmingdale **County:** Nassau

DATE: April 19, 2022

The Farmingdale Plaza Cleaners site is located in Farmingdale, New York. Groundwater monitoring was performed at the above-referenced site by the New York State Department of Environmental Conservation (NYSDEC) to assess current conditions within the off-site plume known as Plume B, which primarily consists of tetrachloroethene (PCE). Plume A is associated with the nearby Liberty Industrial Finishing site and primarily consists of trichloroethene (TCE). Contamination located within Plume A is presently being captured by a groundwater pump and treat system for the Liberty Industrial Finishing site.

Figure 1 shows both sites, plumes A and B, extraction wells, and some of the monitoring wells. Figure 1 Plume A 2012 reflects TCE extents presented in the 2013 Remedial Investigation Report based on 2012 data. Figure 1 also presents two years of Plume B data that represent data from 2012 and 2017. Plume B 2012 reflects PCE extents presented in the 2013 Remedial Investigation Report. Plume B 2017 incorporates PCE data from 2012 and 2017 to provide an updated representation of groundwater conditions. The modification to Plume B extents was based on 2017 groundwater concentrations from MW-48C, which were slightly above groundwater criteria and permitted the northern extents of PCE contamination to be adjusted south.

In 2018, an extraction well was installed near MW-47C, which is located down-gradient (south) of MW-28C and MW-28D. Concentrations at EW and MW-47C are used to assess the migration of site contamination. The extraction well is presently not operational since a pump has not been installed in the well.

December 2021 Groundwater Monitoring Procedures

A groundwater sampling event was performed to assess site contaminants from select wells, identified as MW-28C, MW-28D, MW-46C, and EW, see Figure 2 for locations. On December 1,

2021, passive diffusion bags (PDB) were set within the well screen of each well to equilibrate. On December 28, 2021, the PDB were retrieved, and their contents were poured into laboratory provided containers. Groundwater monitoring activities were performed in accordance with EPA Region 4 Groundwater Sampling Procedures, dated April 26, 2017. Field notes are provided in Appendix A.

Samples were provided to Pace Analytical, a New York State Department of Health ELAP-certified laboratory. Samples were analyzed for volatile organic compounds by method 8260C. The laboratory results are included in Appendix B. Quality Assurance/Quality Control (QA/QC) samples were also obtained to verify the quality of the sampling program. A duplicate and trip blank were collected during the sampling event.

Groundwater Monitoring Results and Evaluation

The December 2021 groundwater analytical results are presented in Table 1. The highest PCE concentration was 60.2 micrograms per liter (ug/l) at MW-46C, which is above the groundwater standard of 5 ug/l. MW-28C and MW-28D contained PCE at 30.4 ug/l and 35.3 ug/l, respectively. The concentration of PCE at the extraction well location was 5.3 ug/l, which is slightly above the groundwater standard. The only other chemical detected above criteria was TCE at 5.7 ug/l within monitoring well MW-46C, which is also located within Plume A. Minor detections of PCE breakdown products were detected within Plume B. Figure 2 shows site contamination detected.

The field duplicate had comparable results to the parent sample from well EW. The samples were not impacted during handling as the trip blank was not contaminated. Based on the review of the QA/QC samples and the laboratory narrative, the analytical results are usable for assessing groundwater conditions.

An evaluation of PCE trends at MW-28C and MW-28D indicates that the PCE concentrations decreased in December 2021 from April 2021. Since 2012, PCE concentrations have fluctuated, but a decreasing trend is apparent. Table 2 shows the PCE trends at MW-28C and MW-28D.

Table 2: PCE Trends at MW-28C and MW-28D from March 2012 to December 2021

Sample Date	MW-28C	MW-28D
March 2012	74 ug/l	78 ug/l
August 2015	48 ug/l	42 ug/l
April 2017	41 ug/l	36 ug/l
December 2017	20 ug/l	40 ug/l
May 2018	46 ug/l	60 ug/l
January 2020	35 ug/l	36 ug/l
April 2021	63 ug/l	40 ug/l
December 2021	30 ug/l	35 ug/l

The December 2021 PCE and TCE results at MW-46C have decreased from 2017 when PCE was detected at 69 ug/l and TCE was detected at 9 ug/l. Groundwater at MW-46C is located within Plume A and Plume B, see Figure 1. Groundwater in the vicinity of MW-46C is located within the capture zone of the Liberty Industrial Finishing extraction well network for Plume A.

Continued groundwater monitoring is recommended. The next monitoring event should consider collecting samples from MW-28C, MW-28D, MW-37C, MW-46C, MW-48C, and EW to evaluate the extents of Plume B, shown on Figure 1. This will permit Plume B to be redefined to accurately depict the current extents of contamination.

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Legend

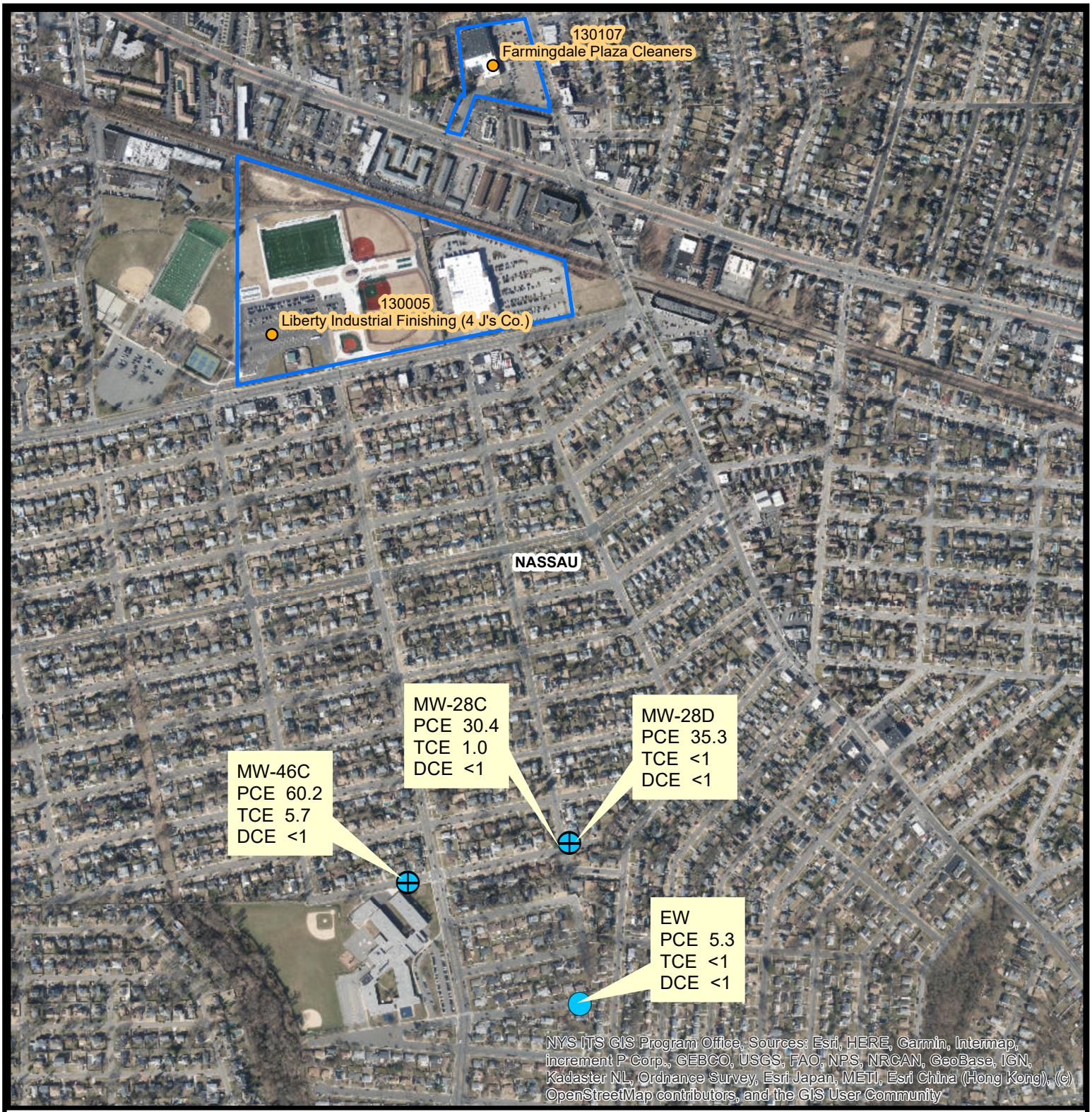
- Remediation Sites
- Monitoring Well
- Extraction Well
- Plume A 2012
- Plume B 2012
- Plume B 2017

well and plume extents are approximate

0 350 700 Feet

1 in = 700 feet

Figure 1: Plume Map
Farmingdale Plaza Cleaners - Farmingdale, NY
Site Number 130107



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Legend

- Remediation Sites
- Remediation Site Borders
- EW
- Monitoring Well

0 350 700 Feet

1 in = 700 feet

Figure 2: Groundwater Results - December 2021
Farmingdale Plaza Cleaners - Farmingdale, NY
Site Number 130107

Table 1: Volatile Organic Compound Results - December 28, 2021
Farmingdale Plaza Cleaners - Farmingdale NY
Site Number 130107

	Location	EW (Duplicate)		EW		MW-28C		MW-28D		MW-46C		Trip Blank	
	Start Depth (ft)	127.5		127.5		112		171		140			
	End Depth (ft)	147.5		147.5		122		181		150			
Chemical Name	Criteria (ug/l)	Result (ug/l)	Qual	Result (ug/l)	Qual	Result (ug/l)	Qual	Result (ug/l)	Qual	Result (ug/l)	Qual	Result (ug/l)	Qual
1,1,1-Trichloroethane (TCA)	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2,2-Tetrachloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloro-1,2,2-Trifluoroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
1,1,2-Trichloroethane	1	1	U	1	U	1	U	1	U	1	U	1	U
1,1-Dichloroethane	5	1.9		1.8		1	U	1.2		1	U	1	U
1,1-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,2,4-Trichlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromo-3-Chloropropane	0.04	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dibromoethane (Ethylene Dibromide)	0.0006	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloroethane	0.6	1	U	1	U	1	U	1	U	1	U	1	U
1,2-Dichloropropane	1	1	U	1	U	1	U	1	U	1	U	1	U
1,3-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
1,4-Dichlorobenzene	3	1	U	1	U	1	U	1	U	1	U	1	U
2-Hexanone	50	5	U	5	U	5	U	5	U	5	U	5	U
Acetone	50	14.8		13.8		21.8		13.6		16.1		5	U
Benzene	1	1	U	1	U	1	U	1	U	1	U	1	U
Bromodichloromethane	50	1	U	1	U	1	U	1	U	1	U	1	U
Bromoform	50	1	U	1	U	1	U	1	U	1	U	1	U
Bromomethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Disulfide	60	1	U	1	U	1	U	1	U	1	U	1	U
Carbon Tetrachloride	5	1	U	1	U	1	U	1	U	1	U	1	U
Chlorobenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Chloroform	7	1	U	1	U	1	U	1	U	1	U	1	U
Chloromethane (Methyl Chloride)	5	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,2-Dichloroethylene	5	1	U	1	U	1	U	1	U	1	U	1	U
Cis-1,3-Dichloropropene	0.4	1	U	1	U	1	U	1	U	1	U	1	U
Cyclohexane	NC	1	U	1	U	1	U	1	U	1	U	1	U
Dibromochloromethane	50	1	U	1	U	1	U	1	U	1	U	1	U
Dichlorodifluoromethane	5	2.9		2.9		1.4		1	U	1	U	1	U
Ethylbenzene	5	1	U	1	U	1	U	1	U	1	U	1	U
Isopropylbenzene (Cumene)	5	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Acetate	NC	1	U	1	U	1	U	1	U	1	U	1	U
Methyl Ethyl Ketone (2-Butanone)	50	5	U	5	U	5	U	5	U	5	U	5	U
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	NC	5	U	5	U	5	U	5	U	5	U	5	U
Methylcyclohexane	NC	1	U	1	U	1	U	1	U	1	U	1	U
Methylene Chloride	5	1	U	1	U	1	U	1	U	1	U	1	U
Styrene	5	1	U	1	U	1	U	1	U	1	U	1	U
Tert-Butyl Methyl Ether	10	5.3		5.3		1	U	1	U	1	U	1	U
Tetrachloroethylene (PCE)	5	5.3		5.3		30.4		35.3		60.2		1	U
Toluene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trans-1,2-Dichloroethene	5	1	U	1	U	1	U	1	U	1	U	1	U
Trans-1,3-Dichloropropene	0.4	1	U	1	U	1	U	1	U	1	U	1	U
Trichloroethylene (TCE)	5	1	U	1	U	1		1	U	5.7		1	U
Trichlorofluoromethane	5	1	U	1	U	1	U	1	U	1	U	1	U
Vinyl Chloride	2	1	U	1	U	1	U	1	U	1	U	1	U
Xylenes	5	3	U	3	U	3	U	3	U	3	U	3	U

Notes:
Groundwater Standards are from Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations (TOGS 1.1.1)
highlighted results exceed groundwater criteria
NC: No Criteria
ug/l: micrograms per liter
U: not detected above the level of the associated quantitation limit.
J: positively identified, numerical value is an approximate concentration.

Appendix A

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Division of Environmental Remediation
Central Office

Field Log

Site Code #: 130107	Date: 12/1/21

Site Name: Farmingdale Plaza Cleaners
Location: Farmingdale
DEC Project Manager: Brian Jankowski

	AM	PM
Weather		Sunny
Temperature		45
Wind Direction		W to E

Objective: Set PDBs in wells

Description of Inspection Activities and Discussions: on site at 1:30

PDB @ ~2" x 13" set ~5' off bottom in EW, MW-28C, MW-28D, MW-46C

off site 2:50

Health & Safety:
Level of protection: Level D, used nitrile gloves

Site Representative:
Representative's Signature: Brian Jankowski **Date:** 12/1/21

NEW YORK STATE OF OPPORTUNITY | Department of Environmental Conservation

Division of Environmental Remediation
Central Office

Field Log

Site Code #: 130107	Date: 12/28/21

Site Name: Farmingdale Plaza Cleaners
Location: Farmingdale, NY
DEC Project Manager: Brian Jankowski

	AM	PM
Weather	cloudy & windy	
Temperature	45	
Wind Direction	east	

Objective: Collect VOC samples from offsite monitoring wells.

Description of Inspection Activities and Discussions:

1050 Onsite Collect samples from EW, MW-28C, MW-28D, MW-46C

1215 offsite
Drop samples at Pace Laboratory.

Health & Safety:
Level of protection: Level D, used nitrile gloves

Site Representative: [signature] **Date:** 12/28/21
Representative's Signature:

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical
WWW.PACELABS.COM

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the Pace Terms and Conditions found at https://info.pacelabs.com/hubfs/pas-standard-terms.pdf.

Page : 1 Of 1

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	NYSDEC	Report To:	Brian Jankauskas	Attention:	
Address:	625 Broadway	Copy To:		Company Name:	
	12th Floor , Albany, NY 12233			Address:	
Email:	brian.jankauskas@dec.ny.gov	Purchase Order #:		Pace Quote:	
Phone:	(518)402-9626 Fax:	Project Name:	Farmingdale Plaza Cleaners	Pace Project Manager:	
Requested Due Date:		Project #:	130107	Pace Profile #:	

Regulatory Agency	
State / Location	NY

MATRIX	CODE
Drinking Water	DW
Water	WT
Waste Water	WW
Product	P
Soil/Solid	SL
Oil	OL
Wipe	WP
Air	AR
Other	OT
Tissue	TS

SAMPLE ID
One Character per box.
(A-Z, 0-9 / , -)
Sample Ids must be unique

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	COLLECTED START TIME	COLLECTED END DATE	COLLECTED END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	Requested Analysis Filtered (Y/N): VOCs by 8260	Residual Chlorine (Y/N)
1	DUP 122021	WT	G	12/28/21	—				3				3					Y	Y	
2	MW-EW 122021	WT	G	12/28/21	1100				3				3					Y	Y	
3	MW-28C 122021	WT	G	12/28/21	1135				3				3					Y	Y	
4	MW-28D 12204	WT	G	12/28/21	1145				3				3					Y	Y	
5	MW-46C 122021	WT	G	12/28/21	1240				3				3					Y	Y	
6	TB 122021	WT	G	12/28/21	—				2				2					Y	Y	
7																				
8																				
9																				
10																				
11																				
12																				

BFJ 12/28/21

BFJ 12/29/21

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NYSDEC EDD & Cat B	NYSDEC	12/28/21	1255	Roxanne Saager	12.28.21	12:56	0.4	Y	Y	Y

SAMPLER NAME AND SIGNATURE					
PRINT Name of SAMPLER:					
SIGNATURE of SAMPLER:	DATE Signed:	TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

Appendix B

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

February 10, 2022

Justin Ng
NYDEC

,

RE: Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Dear Justin Ng:

Enclosed are the analytical results for sample(s) received by the laboratory on December 28, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

REVISION 1: Report re-issued on February 10, 2022 to include case narrative

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lea Sherman
lea.sherman@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

CERTIFICATIONS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Pace Analytical Services Long Island
575 Broad Hollow Rd, Melville, NY 11747
Connecticut Certification #: PH-0435
Delaware Certification # NY 10478
Maryland Certification #: 208
Massachusetts Certification #: M-NY026
New Hampshire Certification #: 2987
New Jersey Certification #: NY158
New York Certification #: 10478 Primary Accrediting Body
Pennsylvania Certification #: 68-00350
Rhode Island Certification #: LAO00340
Virginia Certification # 460302

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: NYDEC_DER-Albany, NY
Date: February 10, 2022

General Information:
6 samples were analyzed for EPA 8260C/5030C by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:
The samples were analyzed within the method required hold times with any exceptions noted below.

Initial Calibrations (including MS Tune as applicable):
All criteria were within method requirements with any exceptions noted below.

QC Batch: 239151

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- BLANK (Lab ID: 1208416)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- DUP (Lab ID: 1208896)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- DUP 122021 (Lab ID: 70199293001)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- LCS (Lab ID: 1208417)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- MS (Lab ID: 1209121)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- MW-28C 122021 (Lab ID: 70199293003)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- MW-28D 122021 (Lab ID: 70199293004)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- MW-46C 122021 (Lab ID: 70199293005)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)
- MW-EW 122021 (Lab ID: 70199293002)

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: NYDEC_DER-Albany, NY
Date: February 10, 2022

QC Batch: 239151

IC: The initial calibration for this compound was outside of method control limits. The result is estimated.

- 1,1,2-Trichloroethane
- 1,2,4-Trichlorobenzene
- 1,2-Dibromoethane (EDB)

- TB 122021 (Lab ID: 70199293006)
  - 1,1,2-Trichloroethane
  - 1,2,4-Trichlorobenzene
  - 1,2-Dibromoethane (EDB)

IH: This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.

- DUP (Lab ID: 1208896)
  - Acetone
- DUP 122021 (Lab ID: 70199293001)
  - Acetone
- LCS (Lab ID: 1208417)
  - Acetone
- MS (Lab ID: 1209121)
  - Acetone
- MW-28C 122021 (Lab ID: 70199293003)
  - Acetone
- MW-28D 122021 (Lab ID: 70199293004)
  - Acetone
- MW-46C 122021 (Lab ID: 70199293005)
  - Acetone
- MW-EW 122021 (Lab ID: 70199293002)
  - Acetone

Continuing Calibration:
All criteria were within method requirements with any exceptions noted below.

QC Batch: 239151

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- DUP (Lab ID: 1208896)
  - Acetone
- DUP 122021 (Lab ID: 70199293001)
  - Acetone
- LCS (Lab ID: 1208417)
  - Acetone
  - Methyl acetate
- MS (Lab ID: 1209121)
  - Acetone
  - Methyl acetate
- MW-28C 122021 (Lab ID: 70199293003)
  - Acetone

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: NYDEC_DER-Albany, NY
Date: February 10, 2022

QC Batch: 239151

v1: The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.

- MW-28D 122021 (Lab ID: 70199293004)
  - Acetone
- MW-46C 122021 (Lab ID: 70199293005)
  - Acetone
- MW-EW 122021 (Lab ID: 70199293002)
  - Acetone

v3: The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

- BLANK (Lab ID: 1208416)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- DUP (Lab ID: 1208896)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- DUP 122021 (Lab ID: 70199293001)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- LCS (Lab ID: 1208417)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- MS (Lab ID: 1209121)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- MW-28C 122021 (Lab ID: 70199293003)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- MW-28D 122021 (Lab ID: 70199293004)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- MW-46C 122021 (Lab ID: 70199293005)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- MW-EW 122021 (Lab ID: 70199293002)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane
- TB 122021 (Lab ID: 70199293006)
  - 2-Butanone (MEK)
  - Dichlorodifluoromethane

Internal Standards:
All internal standards were within QC limits with any exceptions noted below.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

PROJECT NARRATIVE

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Method: **EPA 8260C/5030C**
Description: 8260C Volatile Organics
Client: NYDEC_DER-Albany, NY
Date: February 10, 2022

Surrogates:
All surrogates were within QC limits with any exceptions noted below.

Method Blank:
All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:
All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:
All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

Duplicate Sample:
All duplicate sample results were within method acceptance criteria with any exceptions noted below.

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: DUP 122021 **Lab ID: 70199293001** Collected: 12/28/21 00:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	76-13-1	
1,1-Dichloroethane	**1.9**	ug/L	1.0	1		01/03/22 14:40	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 14:40	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 14:40	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 14:40	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 14:40	108-10-1	
Acetone	**14.8**	ug/L	5.0	1		01/03/22 14:40	67-64-1	IH,v1
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 14:40	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 14:40	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	124-48-1	
Dichlorodifluoromethane	**2.9**	ug/L	1.0	1		01/03/22 14:40	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 14:40	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 14:40	79-20-9	
Methyl-tert-butyl ether	**5.3**	ug/L	1.0	1		01/03/22 14:40	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	100-42-5	
Tetrachloroethene	**5.3**	ug/L	1.0	1		01/03/22 14:40	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:40	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 14:40	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: DUP 122021 **Lab ID: 70199293001** Collected: 12/28/21 00:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:40	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1		01/03/22 14:40	17060-07-0	
4-Bromofluorobenzene (S)	86	%	79-118	1		01/03/22 14:40	460-00-4	
Toluene-d8 (S)	101	%	82-122	1		01/03/22 14:40	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-EW 122021 **Lab ID: 70199293002** Collected: 12/28/21 11:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	76-13-1	
1,1-Dichloroethane	**1.8**	ug/L	1.0	1		01/03/22 14:22	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 14:22	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 14:22	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 14:22	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 14:22	108-10-1	
Acetone	**13.8**	ug/L	5.0	1		01/03/22 14:22	67-64-1	IH,v1
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 14:22	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 14:22	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	124-48-1	
Dichlorodifluoromethane	**2.9**	ug/L	1.0	1		01/03/22 14:22	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 14:22	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 14:22	79-20-9	
Methyl-tert-butyl ether	**5.3**	ug/L	1.0	1		01/03/22 14:22	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	100-42-5	
Tetrachloroethene	**5.3**	ug/L	1.0	1		01/03/22 14:22	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:22	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 14:22	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-EW 122021 **Lab ID: 70199293002** Collected: 12/28/21 11:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:22	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1		01/03/22 14:22	17060-07-0	
4-Bromofluorobenzene (S)	91	%	79-118	1		01/03/22 14:22	460-00-4	
Toluene-d8 (S)	102	%	82-122	1		01/03/22 14:22	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-28C 122021 **Lab ID: 70199293003** Collected: 12/28/21 11:35 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 14:03	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 14:03	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 14:03	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 14:03	108-10-1	
Acetone	**21.8**	ug/L	5.0	1		01/03/22 14:03	67-64-1	IH,v1
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 14:03	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 14:03	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	124-48-1	
Dichlorodifluoromethane	**1.4**	ug/L	1.0	1		01/03/22 14:03	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 14:03	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 14:03	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/03/22 14:03	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	100-42-5	
Tetrachloroethene	**30.4**	ug/L	1.0	1		01/03/22 14:03	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	108-88-3	
Trichloroethene	**1.0**	ug/L	1.0	1		01/03/22 14:03	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 14:03	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 14:03	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-28C 122021 **Lab ID: 70199293003** Collected: 12/28/21 11:35 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 14:03	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		01/03/22 14:03	17060-07-0	
4-Bromofluorobenzene (S)	87	%	79-118	1		01/03/22 14:03	460-00-4	
Toluene-d8 (S)	102	%	82-122	1		01/03/22 14:03	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-28D 122021 **Lab ID: 70199293004** Collected: 12/28/21 11:45 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	76-13-1	
1,1-Dichloroethane	**1.2**	ug/L	1.0	1		01/03/22 13:44	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 13:44	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 13:44	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 13:44	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 13:44	108-10-1	
Acetone	**13.6**	ug/L	5.0	1		01/03/22 13:44	67-64-1	IH,v1
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 13:44	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 13:44	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 13:44	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 13:44	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/03/22 13:44	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	100-42-5	
Tetrachloroethene	**35.3**	ug/L	1.0	1		01/03/22 13:44	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:44	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 13:44	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-28D 122021 **Lab ID: 70199293004** Collected: 12/28/21 11:45 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:44	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	99	%	81-122	1		01/03/22 13:44	17060-07-0	
4-Bromofluorobenzene (S)	88	%	79-118	1		01/03/22 13:44	460-00-4	
Toluene-d8 (S)	101	%	82-122	1		01/03/22 13:44	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-46C 122021 **Lab ID: 70199293005** Collected: 12/28/21 12:10 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 13:25	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 13:25	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 13:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 13:25	108-10-1	
Acetone	**16.1**	ug/L	5.0	1		01/03/22 13:25	67-64-1	IH,v1
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 13:25	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 13:25	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 13:25	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 13:25	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/03/22 13:25	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	100-42-5	
Tetrachloroethene	**60.2**	ug/L	1.0	1		01/03/22 13:25	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	108-88-3	
Trichloroethene	**5.7**	ug/L	1.0	1		01/03/22 13:25	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:25	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 13:25	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: MW-46C 122021 **Lab ID: 70199293005** Collected: 12/28/21 12:10 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:25	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		01/03/22 13:25	17060-07-0	
4-Bromofluorobenzene (S)	87	%	79-118	1		01/03/22 13:25	460-00-4	
Toluene-d8 (S)	103	%	82-122	1		01/03/22 13:25	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: TB 122021 **Lab ID: 70199293006** Collected: 12/28/21 00:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	79-00-5	IC
1,1,2-Trichlorotrifluoroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	76-13-1	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-35-4	
1,2,4-Trichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	120-82-1	IC
1,2-Dibromo-3-chloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	96-12-8	
1,2-Dibromoethane (EDB)	**<1.0**	ug/L	1.0	1		01/03/22 13:07	106-93-4	IC
1,2-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	95-50-1	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	107-06-2	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	78-87-5	
1,3-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	541-73-1	
1,4-Dichlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	106-46-7	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		01/03/22 13:07	78-93-3	v3
2-Hexanone	**<5.0**	ug/L	5.0	1		01/03/22 13:07	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		01/03/22 13:07	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		01/03/22 13:07	67-64-1	
Benzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		01/03/22 13:07	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		01/03/22 13:07	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	74-87-3	
Cyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	110-82-7	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	124-48-1	
Dichlorodifluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-71-8	v3
Ethylbenzene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	100-41-4	
Isopropylbenzene (Cumene)	**<1.0**	ug/L	1.0	1		01/03/22 13:07	98-82-8	
Methyl acetate	**<1.0**	ug/L	1.0	1		01/03/22 13:07	79-20-9	
Methyl-tert-butyl ether	**<1.0**	ug/L	1.0	1		01/03/22 13:07	1634-04-4	
Methylcyclohexane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	108-87-2	
Methylene Chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	100-42-5	
Tetrachloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	79-01-6	
Trichlorofluoromethane	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-69-4	
Vinyl chloride	**<1.0**	ug/L	1.0	1		01/03/22 13:07	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		01/03/22 13:07	1330-20-7	
cis-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	156-59-2	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	10061-01-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

ANALYTICAL RESULTS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Sample: TB 122021 **Lab ID: 70199293006** Collected: 12/28/21 00:00 Received: 12/28/21 12:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
trans-1,2-Dichloroethene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	156-60-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		01/03/22 13:07	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		01/03/22 13:07	17060-07-0	
4-Bromofluorobenzene (S)	86	%	79-118	1		01/03/22 13:07	460-00-4	
Toluene-d8 (S)	102	%	82-122	1		01/03/22 13:07	2037-26-5	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

QC Batch: 239151 | Analysis Method: EPA 8260C/5030C
QC Batch Method: EPA 8260C/5030C | Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70199293001, 70199293002, 70199293003, 70199293004, 70199293005, 70199293006

METHOD BLANK: 1208416 Matrix: Water
Associated Lab Samples: 70199293001, 70199293002, 70199293003, 70199293004, 70199293005, 70199293006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/03/22 10:31	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/03/22 10:31	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/03/22 10:31	IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	1.0	01/03/22 10:31	
1,1-Dichloroethane	ug/L	<1.0	1.0	01/03/22 10:31	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/03/22 10:31	
1,2,4-Trichlorobenzene	ug/L	<1.0	1.0	01/03/22 10:31	IC
1,2-Dibromo-3-chloropropane	ug/L	<1.0	1.0	01/03/22 10:31	
1,2-Dibromoethane (EDB)	ug/L	<1.0	1.0	01/03/22 10:31	IC
1,2-Dichlorobenzene	ug/L	<1.0	1.0	01/03/22 10:31	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/03/22 10:31	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/03/22 10:31	
1,3-Dichlorobenzene	ug/L	<1.0	1.0	01/03/22 10:31	
1,4-Dichlorobenzene	ug/L	<1.0	1.0	01/03/22 10:31	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/03/22 10:31	v3
2-Hexanone	ug/L	<5.0	5.0	01/03/22 10:31	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/03/22 10:31	
Acetone	ug/L	<5.0	5.0	01/03/22 10:31	
Benzene	ug/L	<1.0	1.0	01/03/22 10:31	
Bromodichloromethane	ug/L	<1.0	1.0	01/03/22 10:31	
Bromoform	ug/L	<1.0	1.0	01/03/22 10:31	
Bromomethane	ug/L	<1.0	1.0	01/03/22 10:31	
Carbon disulfide	ug/L	<1.0	1.0	01/03/22 10:31	
Carbon tetrachloride	ug/L	<1.0	1.0	01/03/22 10:31	
Chlorobenzene	ug/L	<1.0	1.0	01/03/22 10:31	
Chloroethane	ug/L	<1.0	1.0	01/03/22 10:31	
Chloroform	ug/L	<1.0	1.0	01/03/22 10:31	
Chloromethane	ug/L	<1.0	1.0	01/03/22 10:31	
cis-1,2-Dichloroethene	ug/L	<1.0	1.0	01/03/22 10:31	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/03/22 10:31	
Cyclohexane	ug/L	<1.0	1.0	01/03/22 10:31	
Dibromochloromethane	ug/L	<1.0	1.0	01/03/22 10:31	
Dichlorodifluoromethane	ug/L	<1.0	1.0	01/03/22 10:31	v3
Ethylbenzene	ug/L	<1.0	1.0	01/03/22 10:31	
Isopropylbenzene (Cumene)	ug/L	<1.0	1.0	01/03/22 10:31	
Methyl acetate	ug/L	<1.0	1.0	01/03/22 10:31	
Methyl-tert-butyl ether	ug/L	<1.0	1.0	01/03/22 10:31	
Methylcyclohexane	ug/L	<1.0	1.0	01/03/22 10:31	
Methylene Chloride	ug/L	<1.0	1.0	01/03/22 10:31	
Styrene	ug/L	<1.0	1.0	01/03/22 10:31	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

METHOD BLANK: 1208416 Matrix: Water
Associated Lab Samples: 70199293001, 70199293002, 70199293003, 70199293004, 70199293005, 70199293006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ug/L	<1.0	1.0	01/03/22 10:31	
Toluene	ug/L	<1.0	1.0	01/03/22 10:31	
trans-1,2-Dichloroethene	ug/L	<1.0	1.0	01/03/22 10:31	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/03/22 10:31	
Trichloroethene	ug/L	<1.0	1.0	01/03/22 10:31	
Trichlorofluoromethane	ug/L	<1.0	1.0	01/03/22 10:31	
Vinyl chloride	ug/L	<1.0	1.0	01/03/22 10:31	
Xylene (Total)	ug/L	<3.0	3.0	01/03/22 10:31	
1,2-Dichloroethane-d4 (S)	%	102	81-122	01/03/22 10:31	
4-Bromofluorobenzene (S)	%	89	79-118	01/03/22 10:31	
Toluene-d8 (S)	%	101	82-122	01/03/22 10:31	

LABORATORY CONTROL SAMPLE: 1208417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	38.5	77	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	41.5	83	70-127	
1,1,2-Trichloroethane	ug/L	50	43.6	87	81-119	IC
1,1,2-Trichlorotrifluoroethane	ug/L	50	44.8	90	54-133	
1,1-Dichloroethane	ug/L	50	43.6	87	72-126	
1,1-Dichloroethene	ug/L	50	47.5	95	66-133	
1,2,4-Trichlorobenzene	ug/L	50	38.2	76	56-141	IC
1,2-Dibromo-3-chloropropane	ug/L	50	41.5	83	47-133	
1,2-Dibromoethane (EDB)	ug/L	50	47.2	94	81-123	IC
1,2-Dichlorobenzene	ug/L	50	43.0	86	80-117	
1,2-Dichloroethane	ug/L	50	47.5	95	69-134	
1,2-Dichloropropane	ug/L	50	43.2	86	75-125	
1,3-Dichlorobenzene	ug/L	50	43.8	88	82-116	
1,4-Dichlorobenzene	ug/L	50	43.3	87	80-117	
2-Butanone (MEK)	ug/L	50	31.1	62	33-165	v3
2-Hexanone	ug/L	50	38.4	77	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	41.2	82	62-131	
Acetone	ug/L	50	30.5	61	14-156	IH,v1
Benzene	ug/L	50	44.8	90	78-117	
Bromodichloromethane	ug/L	50	43.4	87	80-123	
Bromoform	ug/L	50	36.2	72	49-138	
Bromomethane	ug/L	50	38.6	77	10-143	
Carbon disulfide	ug/L	50	44.1	88	66-133	
Carbon tetrachloride	ug/L	50	38.3	77	64-135	
Chlorobenzene	ug/L	50	43.5	87	79-117	
Chloroethane	ug/L	50	41.5	83	31-156	
Chloroform	ug/L	50	44.5	89	79-123	
Chloromethane	ug/L	50	40.3	81	39-116	
cis-1,2-Dichloroethene	ug/L	50	46.4	93	77-125	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

LABORATORY CONTROL SAMPLE: 1208417

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
cis-1,3-Dichloropropene	ug/L	50	46.9	94	78-131	
Cyclohexane	ug/L	50	41.4	83	53-130	
Dibromochloromethane	ug/L	50	44.2	88	65-123	
Dichlorodifluoromethane	ug/L	50	32.8	66	13-149	v3
Ethylbenzene	ug/L	50	46.7	93	79-115	
Isopropylbenzene (Cumene)	ug/L	50	43.6	87	74-118	
Methyl acetate	ug/L	50	57.5	115	10-214	v1
Methyl-tert-butyl ether	ug/L	50	44.7	89	69-118	
Methylcyclohexane	ug/L	50	46.1	92	63-124	
Methylene Chloride	ug/L	50	45.8	92	67-123	
Styrene	ug/L	50	46.6	93	82-121	
Tetrachloroethene	ug/L	50	41.2	82	65-120	
Toluene	ug/L	50	46.3	93	80-114	
trans-1,2-Dichloroethene	ug/L	50	47.0	94	74-123	
trans-1,3-Dichloropropene	ug/L	50	47.7	95	73-135	
Trichloroethene	ug/L	50	41.2	82	79-115	
Trichlorofluoromethane	ug/L	50	39.2	78	51-136	
Vinyl chloride	ug/L	50	41.9	84	49-118	
Xylene (Total)	ug/L	150	142	95	80-118	
1,2-Dichloroethane-d4 (S)	%			99	81-122	
4-Bromofluorobenzene (S)	%			91	79-118	
Toluene-d8 (S)	%			99	82-122	

MATRIX SPIKE SAMPLE: 1209121

Parameter	Units	70199293005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	37.8	76	72-123	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	36.7	73	64-133	
1,1,2-Trichloroethane	ug/L	<1.0	50	38.8	78	78-120	IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	50	45.9	92	56-136	
1,1-Dichloroethane	ug/L	<1.0	50	41.5	83	70-124	
1,1-Dichloroethene	ug/L	<1.0	50	47.4	95	61-139	
1,2,4-Trichlorobenzene	ug/L	<1.0	50	34.7	69	53-138	IC
1,2-Dibromo-3-chloropropane	ug/L	<1.0	50	37.6	75	32-137	
1,2-Dibromoethane (EDB)	ug/L	<1.0	50	43.0	86	78-121	IC
1,2-Dichlorobenzene	ug/L	<1.0	50	39.2	78	75-120	
1,2-Dichloroethane	ug/L	<1.0	50	43.4	87	58-138	
1,2-Dichloropropane	ug/L	<1.0	50	41.0	82	74-122	
1,3-Dichlorobenzene	ug/L	<1.0	50	40.7	81	78-119	
1,4-Dichlorobenzene	ug/L	<1.0	50	40.9	82	76-118	
2-Butanone (MEK)	ug/L	<5.0	50	29.8	60	33-148	v3
2-Hexanone	ug/L	<5.0	50	37.5	75	49-124	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	38.1	76	60-136	
Acetone	ug/L	16.1	50	42.8	53	35-112	IH,v1
Benzene	ug/L	<1.0	50	43.3	87	70-130	

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

MATRIX SPIKE SAMPLE: 1209121

Parameter	Units	70199293005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Bromodichloromethane	ug/L	<1.0	50	39.4	79	74-122	
Bromoform	ug/L	<1.0	50	34.1	68	39-139	
Bromomethane	ug/L	<1.0	50	36.9	74	10-130	
Carbon disulfide	ug/L	<1.0	50	42.6	85	60-129	
Carbon tetrachloride	ug/L	<1.0	50	38.3	77	56-143	
Chlorobenzene	ug/L	<1.0	50	41.9	84	74-122	
Chloroethane	ug/L	<1.0	50	39.3	79	35-146	
Chloroform	ug/L	<1.0	50	42.0	84	71-129	
Chloromethane	ug/L	<1.0	50	37.6	75	29-112	
cis-1,2-Dichloroethene	ug/L	<1.0	50	43.6	87	73-129	
cis-1,3-Dichloropropene	ug/L	<1.0	50	42.9	86	67-130	
Cyclohexane	ug/L	<1.0	50	41.2	82	46-146	
Dibromochloromethane	ug/L	<1.0	50	39.7	79	55-126	
Dichlorodifluoromethane	ug/L	<1.0	50	30.2	60	10-123	v3
Ethylbenzene	ug/L	<1.0	50	45.4	91	70-126	
Isopropylbenzene (Cumene)	ug/L	<1.0	50	43.0	86	68-127	
Methyl acetate	ug/L	<1.0	50	51.2	102	10-260	v1
Methyl-tert-butyl ether	ug/L	<1.0	50	39.3	79	60-140	
Methylcyclohexane	ug/L	<1.0	50	47.4	95	66-135	
Methylene Chloride	ug/L	<1.0	50	41.5	83	69-117	
Styrene	ug/L	<1.0	50	45.0	90	79-123	
Tetrachloroethene	ug/L	60.2	50	107	93	64-124	
Toluene	ug/L	<1.0	50	44.2	88	76-123	
trans-1,2-Dichloroethene	ug/L	<1.0	50	44.3	89	69-127	
trans-1,3-Dichloropropene	ug/L	<1.0	50	41.9	84	61-130	
Trichloroethene	ug/L	5.7	50	45.2	79	73-125	
Trichlorofluoromethane	ug/L	<1.0	50	38.9	78	59-129	
Vinyl chloride	ug/L	<1.0	50	40.3	81	33-127	
Xylene (Total)	ug/L	<3.0	150	141	94	78-123	
1,2-Dichloroethane-d4 (S)	%				97	81-122	
4-Bromofluorobenzene (S)	%				94	79-118	
Toluene-d8 (S)	%				103	82-122	

SAMPLE DUPLICATE: 1208896

Parameter	Units	70199342001 Result	Dup Result	RPD	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		IC
1,1,2-Trichlorotrifluoroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2,4-Trichlorobenzene	ug/L	<1.0	<1.0		IC
1,2-Dibromo-3-chloropropane	ug/L	<1.0	<1.0		
1,2-Dibromoethane (EDB)	ug/L	<1.0	<1.0		IC

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

SAMPLE DUPLICATE: 1208896

Parameter	Units	70199342001 Result	Dup Result	RPD	Qualifiers
1,2-Dichlorobenzene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloropropane	ug/L	<1.0	<1.0		
1,3-Dichlorobenzene	ug/L	<1.0	<1.0		
1,4-Dichlorobenzene	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	1.2J	<5.0		v3
2-Hexanone	ug/L	<5.0	<5.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	78.0	67.2	15	IH,v1
Benzene	ug/L	<1.0	<1.0		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		
Chlorobenzene	ug/L	<1.0	<1.0		
Chloroethane	ug/L	<1.0	<1.0		
Chloroform	ug/L	<1.0	<1.0		
Chloromethane	ug/L	<1.0	<1.0		
cis-1,2-Dichloroethene	ug/L	<1.0	<1.0		
cis-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Cyclohexane	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Dichlorodifluoromethane	ug/L	<1.0	<1.0		v3
Ethylbenzene	ug/L	<1.0	<1.0		
Isopropylbenzene (Cumene)	ug/L	<1.0	<1.0		
Methyl acetate	ug/L	<1.0	<1.0		
Methyl-tert-butyl ether	ug/L	<1.0	<1.0		
Methylcyclohexane	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	<1.0	<1.0		
Toluene	ug/L	10.6	10.4	2	
trans-1,2-Dichloroethene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	<1.0	<1.0		
Trichlorofluoromethane	ug/L	<1.0	<1.0		
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	101	102		
4-Bromofluorobenzene (S)	%	87	87		
Toluene-d8 (S)	%	101	101		

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REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALIFIERS

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

ANALYTE QUALIFIERS

IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
v1	The continuing calibration verification was above the method acceptance limit. Any detection for the analyte in the associated samples may have a high bias.
v3	The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

Pace Analytical Services, LLC
575 Broad Hollow Road
Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: FARMINGDALE PLAZA CLEANERS
Pace Project No.: 70199293

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70199293001	**DUP 122021**	EPA 8260C/5030C	239151		
70199293002	**MW-EW 122021**	EPA 8260C/5030C	239151		
70199293003	**MW-28C 122021**	EPA 8260C/5030C	239151		
70199293004	**MW-28D 122021**	EPA 8260C/5030C	239151		
70199293005	**MW-46C 122021**	EPA 8260C/5030C	239151		
70199293006	**TB 122021**	EPA 8260C/5030C	239151		

Pace Analytical®
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CHAIN-OF-CUS

WO# : 70199293
70199293

The Chain-of-Custody i... ccurately.

Submitting a sample via this chain of custody constitutes acknowledgment and acceptance of the ... standard-terms.pdf.

Page : 1 Of 1

Section A
Required Client Information:

Company:	NYSDEC
Address:	625 Broadway
12th Floor , Albany, NY 12233	
Email:	brian.jankauskas@dec.ny.gov
Phone: (518)402-9626	Fax:
Requested Due Date:	

Section B
Required Project Information:

Report To:	Brian Jankauskas
Copy To:	
Purchase Order #:	
Project Name:	Farmingdale Plaza Cleaners
Project #:	136107

Secti...
Invoic...

Attention:	
Company Name:	
Address:	
Pace Quote:	
Pace Project Manager:	
Pace Profile #:	

Regulatory Agency
State / Location
NY

MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Other OT; Tissue TS

SAMPLE ID — One Character per box. (A-Z, 0-9 / , -) Sample Ids must be unique

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED START DATE	START TIME	END DATE	END TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H2SO4	HNO3	HCl	NaOH	Na2S2O3	Methanol	Other	Analyses Test Y/N	VOCs by 8260	Residual Chlorine (Y/N)
1	DUP 122021	WT	G	12/20/21	—				3				3						3	
2	MW-EW 122021	WT	G	12/20/21	1100				3				3						3	
3	MW-28C 122021	WT	G	12/20/21	1135				3				3						3	
4	MW-28D 122021	WT	G	12/20/21	1145				3				3						3	
5	MW-46C 122021	WT	G	12/20/21	1220				3				3						3	
6	TB 122021	WT	G	12/20/21	—				2				2						2	
7																				
8																				
9																				
10																				
11																				
12																				

BFS 12/28/21
BFJ 12/28/21

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
NYSDEC EDD + Cat B	[signature] NYSDEC	12/28/21	1255	Noranne Saager	12-28-21	1256	0.4	Y	Y	Y
							TEMP in C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

SAMPLER NAME AND SIGNATURE
PRINT Name of SAMPLER:
SIGNATURE of SAMPLER: DATE Signed:

Pace Analytical®

Sample Condition Upon Receipt

WO#: 70199293
PM: LS1 Due Date: 01/12/22
CLIENT: DER- ALBANY

Client Name: DER- ALBANY Proj

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☑ No Seals intact: ☐ Yes ☐ No ☑ N/A

Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziploc ☐ None ☐ Other

Type of Ice: (Wet) Blue None

Thermometer Used: TH091 Correction Factor: 0.000

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 1.4 Cooler Temperature Corrected(°C): .4

Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Date and Initials of person examining contents: KW 12/28/21

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples orignate from a foreign source including Hawaii and Puerto Rico)? ☐ Yes ☒ No

If Yes to either question, fill out a Regulated Soil Checklist (F-LI-C-010) and include with SCUR/COC paperwork.

				COMMENTS:
Chain of Custody Present:	☑ Yes	☐ No		1.
Chain of Custody Filled Out:	☑ Yes	☐ No		2.
Chain of Custody Relinquished:	☑ Yes	☐ No		3.
Sampler Name & Signature on COC:	☑ Yes	☐ No	☐ N/A	4.
Samples Arrived within Hold Time:	☑ Yes	☐ No		5.
Short Hold Time Analysis (<72hr):	☐ Yes	☑ No		6.
Rush Turn Around Time Requested:	☐ Yes	☑ No		7.
Sufficient Volume: (Triple volume provided for I	☑ Yes	☐ No		8.
Correct Containers Used:	☑ Yes	☐ No		9.
-Pace Containers Used:	☑ Yes	☐ No		
Containers Intact:	☑ Yes	☐ No		10.
Filtered volume received for Dissolved tests	☐ Yes	☐ No	☑ N/A	11. Note if sediment is visible in the dissolved container.
Sample Labels match COC:	☑ Yes	☐ No		12.
-Includes date/time/ID/ Matrix: SL WT OIL				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				
All containers needing preservation are found to be in compliance with method recommendation?				Sample #
(HNO_3, H_2SO_4, HCl, NaOH>9 Sulfide, NAOH>12 Cyanide)	☐ Yes	☐ No	☑ N/A	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Per Method, VOA pH is checked after analysis				
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				
Residual chlorine strips Lot #				Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sulfide?	☐ Yes	☐ No	☑ N/A	15.
Lead Acetate Strips Lot #				Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm):	☐ Yes	☑ No	☐ N/A	16.
Trip Blank Present:	☑ Yes	☐ No	☐ N/A	17.
Trip Blank Custody Seals Present	☑ Yes	☐ No	☐ N/A	
Pace Trip Blank Lot # (if applicable):				

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Date/Time:

Comments/ Resolution:

* PM (Project Manager) review is documented electronically in LIMS.

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