PWGC
CLIENT DRIVEN SOLUTIONS

July 7, 2022

Steven M. Scharf, PE, Project Engineer
Division of Environmental Remediation
New York State Department of Environmental Conservation
Remedial Bureau A
625 Broadway 12th Floor
Albany, New York 12233-7015

Re: 2022 Second Quarter Status Letter
Minmilt Realty Groundwater Remedial System, NYSDEC Site No. 1-52-147
540 Smith Street, Farmingdale, New York 11735

Dear Mr. Scharf,

P.W. Grosser Consulting, Inc. (PWGC) has prepared this letter to present the analytical results of the second quarter 2022 remedial system sampling at the above referenced site.

In January 2019, New York State Department of Environmental Conservation (NYSDEC) granted permission to reduce quarterly reporting from a status update containing O&M activities, remedial system repairs, monitoring well gauging and remedial system data review to a letter containing only remedial system sampling analytical data. In November 2019, NYSDEC granted permission to reduce monthly monitoring well gauging to quarterly and quarterly SVE air sampling to bi-annually. The current sampling schedule adheres to the requirements of the Site Management Plan for the site which was approved by NYSDEC on March 7, 2022.

Details previously contained in quarterly status updates are detailed in the Periodic Review Report (PRR) prepared following each five-quarter period. The latest PRR, submitted to NYSDEC in October 2021, contained site details from April 2020 to June 2021. The current monitoring events will be contained in the next PRR which will document the time period ranging from July 2021 to September 2022. During the second quarter of 2022, PWGC collected monthly influent and effluent water samples from the groundwater treatment system, collected bi-annual air sample from the SVE system and performed quarterly monitoring well gauging.

Please do not hesitate to call this office should you have any questions or require additional information.

Sincerely,
P.W. Grosser Consulting

Ryan Morley, PG
Project Manager

Kaitlyn Crosby
Senior Hydro/ES

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353 PWGROSSER.COM 630 JOHNSON AVENUE, STE 7 BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

Attachment A
Lab Data Packages

P.W. GROSSER CONSULTING, INC.
P.W. GROSSER CONSULTING ENGINEER & HYDROGEOLOGIST, P.C.
PHONE: 631.589.6353
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630 JOHNSON AVENUE, STE 7
BOHEMIA, NY 11716
LONG ISLAND • MANHATTAN • SARATOGA SPRINGS • SYRACUSE • SEATTLE • SHELTON

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

May 03, 2022

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on April 25, 2022. 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

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

Sincerely,

Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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

CERTIFICATIONS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

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

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: SYS - EFF **Lab ID: 70212299001** Collected: 04/25/22 13:00 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**7970**	ug/L	100	1	04/29/22 10:31	04/29/22 21:13	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	107-06-2	
1,2-Dichloroethene (Total)	**27.3**	ug/L	2.0	1		05/01/22 17:25	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/01/22 17:25	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/01/22 17:25	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/01/22 17:25	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/01/22 17:25	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/01/22 17:25	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/01/22 17:25	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/01/22 17:25	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	74-87-3	L1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:25	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	100-42-5	
Tetrachloroethene	**19.6**	ug/L	1.0	1		05/01/22 17:25	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/01/22 17:25	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/01/22 17:25	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 17:25	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1		05/01/22 17:25	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		05/01/22 17:25	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		05/01/22 17:25	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.6**	Std. Units	0.10	1		04/28/22 19:05		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: SYS - EFF **Lab ID: 70212299001** Collected: 04/25/22 13:00 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**19.6**	deg C	0.10	1		04/28/22 19:05		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**4.3**	mg/L	1.0	1		04/28/22 15:18	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: SYS - INF **Lab ID: 70212299002** Collected: 04/25/22 13:05 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**15300**	ug/L	100	1	04/29/22 10:31	04/29/22 21:15	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-34-3	
1,1-Dichloroethene	**3.4**	ug/L	1.0	1		05/01/22 18:20	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	107-06-2	
1,2-Dichloroethene (Total)	**2620**	ug/L	40.0	20		05/02/22 12:51	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/01/22 18:20	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/01/22 18:20	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/01/22 18:20	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/01/22 18:20	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/01/22 18:20	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/01/22 18:20	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/01/22 18:20	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	74-87-3	L1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:20	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/01/22 18:20	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	100-42-5	
Tetrachloroethene	**1010**	ug/L	20.0	20		05/02/22 12:51	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	108-88-3	
Trichloroethene	**234**	ug/L	20.0	20		05/02/22 12:51	79-01-6	
Vinyl chloride	**130**	ug/L	1.0	1		05/01/22 18:20	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/01/22 18:20	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 18:20	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	101	%	81-122	1		05/01/22 18:20	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		05/01/22 18:20	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		05/01/22 18:20	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.3**	Std. Units	0.10	1		04/28/22 19:07		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: SYS - INF **Lab ID: 70212299002** Collected: 04/25/22 13:05 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**19.9**	deg C	0.10	1		04/28/22 19:07		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**5.1**	mg/L	1.0	1		04/28/22 15:55	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: MAG **Lab ID: 70212299003** Collected: 04/25/22 13:10 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**6030**	ug/L	100	1	04/29/22 10:31	04/29/22 21:18	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-34-3	
1,1-Dichloroethene	**2.3**	ug/L	1.0	1		05/01/22 18:02	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	107-06-2	
1,2-Dichloroethene (Total)	**1510**	ug/L	20.0	10		05/02/22 11:01	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/01/22 18:02	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/01/22 18:02	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/01/22 18:02	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/01/22 18:02	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/01/22 18:02	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/01/22 18:02	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/01/22 18:02	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	74-87-3	L1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/01/22 18:02	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/01/22 18:02	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	100-42-5	
Tetrachloroethene	**1200**	ug/L	10.0	10		05/02/22 11:01	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	108-88-3	
Trichloroethene	**76.1**	ug/L	1.0	1		05/01/22 18:02	79-01-6	
Vinyl chloride	**23.6**	ug/L	1.0	1		05/01/22 18:02	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/01/22 18:02	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 18:02	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	98	%	81-122	1		05/01/22 18:02	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		05/01/22 18:02	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		05/01/22 18:02	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.2**	Std. Units	0.10	1		04/28/22 19:08		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: MAG **Lab ID: 70212299003** Collected: 04/25/22 13:10 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**20.6**	deg C	0.10	1		04/28/22 19:08		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**1.3**	mg/L	1.0	1		04/28/22 16:06	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: UG **Lab ID: 70212299004** Collected: 04/25/22 13:15 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**25600**	ug/L	100	1	04/29/22 10:31	04/29/22 21:20	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-34-3	
1,1-Dichloroethene	**5.2**	ug/L	1.0	1		05/01/22 17:43	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	107-06-2	
1,2-Dichloroethene (Total)	**4040**	ug/L	100	50		05/02/22 12:33	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/01/22 17:43	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/01/22 17:43	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/01/22 17:43	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/01/22 17:43	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/01/22 17:43	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-25-2	
Bromomethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/01/22 17:43	56-23-5	
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/01/22 17:43	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	74-87-3	L1
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/01/22 17:43	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/01/22 17:43	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	100-42-5	
Tetrachloroethene	**503**	ug/L	50.0	50		05/02/22 12:33	127-18-4	
Toluene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	108-88-3	
Trichloroethene	**411**	ug/L	50.0	50		05/02/22 12:33	79-01-6	
Vinyl chloride	**285**	ug/L	50.0	50		05/02/22 12:33	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/01/22 17:43	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/01/22 17:43	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		05/01/22 17:43	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-118	1		05/01/22 17:43	460-00-4	
Toluene-d8 (S)	96	%	82-122	1		05/01/22 17:43	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.1**	Std. Units	0.10	1		04/28/22 19:09		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Sample: UG **Lab ID: 70212299004** Collected: 04/25/22 13:15 Received: 04/25/22 13:56 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**19.2**	deg C	0.10	1		04/28/22 19:09		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**9.6**	mg/L	1.0	1		04/28/22 16:19	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

QC Batch: 254398 | Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 | Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70212299001, 70212299002, 70212299003, 70212299004

METHOD BLANK: 1285402 Matrix: Water
Associated Lab Samples: 70212299001, 70212299002, 70212299003, 70212299004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	04/29/22 20:21	

LABORATORY CONTROL SAMPLE: 1285403

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12400	100	85-115	

MATRIX SPIKE SAMPLE: 1285719

Parameter	Units	70212665007 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	275	5000	4940	93	70-130	

MATRIX SPIKE SAMPLE: 1285721

Parameter	Units	70212508001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	4950	99	70-130	

SAMPLE DUPLICATE: 1285718

Parameter	Units	70212665007 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	275	282	2	

SAMPLE DUPLICATE: 1285720

Parameter	Units	70212508001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

QC Batch: 254631
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70212299001, 70212299002, 70212299003, 70212299004

METHOD BLANK: 1286695 Matrix: Water
Associated Lab Samples: 70212299001, 70212299002, 70212299003, 70212299004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/01/22 10:32	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	05/01/22 10:32	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/01/22 10:32	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/01/22 10:32	
2-Hexanone	ug/L	<5.0	5.0	05/01/22 10:32	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/01/22 10:32	
Acetone	ug/L	<5.0	5.0	05/01/22 10:32	
Benzene	ug/L	<0.70	0.70	05/01/22 10:32	
Bromodichloromethane	ug/L	<1.0	1.0	05/01/22 10:32	
Bromoform	ug/L	<1.0	1.0	05/01/22 10:32	
Bromomethane	ug/L	<1.0	1.0	05/01/22 10:32	
Carbon disulfide	ug/L	<1.0	1.0	05/01/22 10:32	
Carbon tetrachloride	ug/L	<1.0	1.0	05/01/22 10:32	
Chlorobenzene	ug/L	<1.0	1.0	05/01/22 10:32	
Chloroethane	ug/L	<1.0	1.0	05/01/22 10:32	
Chloroform	ug/L	<1.0	1.0	05/01/22 10:32	
Chloromethane	ug/L	<1.0	1.0	05/01/22 10:32	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/01/22 10:32	
Dibromochloromethane	ug/L	<1.0	1.0	05/01/22 10:32	
Ethylbenzene	ug/L	<1.0	1.0	05/01/22 10:32	
Methylene Chloride	ug/L	<1.0	1.0	05/01/22 10:32	
Styrene	ug/L	<1.0	1.0	05/01/22 10:32	
Tetrachloroethene	ug/L	<1.0	1.0	05/01/22 10:32	v3
Toluene	ug/L	<1.0	1.0	05/01/22 10:32	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/01/22 10:32	
Trichloroethene	ug/L	<1.0	1.0	05/01/22 10:32	
Vinyl chloride	ug/L	<1.0	1.0	05/01/22 10:32	
Xylene (Total)	ug/L	<3.0	3.0	05/01/22 10:32	
1,2-Dichloroethane-d4 (S)	%	96	81-122	05/01/22 10:32	
4-Bromofluorobenzene (S)	%	103	79-118	05/01/22 10:32	
Toluene-d8 (S)	%	97	82-122	05/01/22 10:32	

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

LABORATORY CONTROL SAMPLE: 1286696

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.9	86	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	47.7	95	70-127	
1,1,2-Trichloroethane	ug/L	50	47.3	95	81-119	
1,1-Dichloroethane	ug/L	50	56.5	113	72-126	
1,1-Dichloroethene	ug/L	50	48.8	98	66-133	
1,2-Dichloroethane	ug/L	50	51.1	102	69-134	
1,2-Dichloroethene (Total)	ug/L	100	102	102	69-123	
1,2-Dichloropropane	ug/L	50	53.5	107	75-125	
2-Butanone (MEK)	ug/L	50	56.2	112	33-165	v1
2-Hexanone	ug/L	50	51.6	103	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	56.7	113	62-131	
Acetone	ug/L	50	40.1	80	14-156	v1
Benzene	ug/L	50	49.1	98	78-117	
Bromodichloromethane	ug/L	50	48.6	97	80-123	
Bromoform	ug/L	50	44.6	89	49-138	
Bromomethane	ug/L	50	50.9	102	10-143	
Carbon disulfide	ug/L	50	51.6	103	66-133	
Carbon tetrachloride	ug/L	50	44.4	89	64-135	
Chlorobenzene	ug/L	50	45.5	91	79-117	
Chloroethane	ug/L	50	54.8	110	31-156	
Chloroform	ug/L	50	50.2	100	79-123	
Chloromethane	ug/L	50	62.1	124	39-116	L1,v1
cis-1,3-Dichloropropene	ug/L	50	52.0	104	78-131	
Dibromochloromethane	ug/L	50	46.0	92	65-123	
Ethylbenzene	ug/L	50	43.1	86	79-115	
Methylene Chloride	ug/L	50	47.0	94	67-123	
Styrene	ug/L	50	46.1	92	82-121	
Tetrachloroethene	ug/L	50	36.4	73	65-120	v3
Toluene	ug/L	50	47.5	95	80-114	
trans-1,3-Dichloropropene	ug/L	50	51.3	103	73-135	
Trichloroethene	ug/L	50	47.7	95	79-115	
Vinyl chloride	ug/L	50	56.3	113	49-118	
Xylene (Total)	ug/L	150	132	88	80-118	
1,2-Dichloroethane-d4 (S)	%			94	81-122	
4-Bromofluorobenzene (S)	%			107	79-118	
Toluene-d8 (S)	%			98	82-122	

MATRIX SPIKE SAMPLE: 1286881

Parameter	Units	70212126001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	52.5	105	72-123	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	49.5	99	64-133	
1,1,2-Trichloroethane	ug/L	<1.0	50	50.4	101	78-120	
1,1-Dichloroethane	ug/L	<1.0	50	63.4	127	70-124	M1
1,1-Dichloroethene	ug/L	<1.0	50	59.2	118	61-139	

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

MATRIX SPIKE SAMPLE: 1286881

Parameter	Units	70212126001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	53.0	106	58-138	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	118	118	59-133	
1,2-Dichloropropane	ug/L	<1.0	50	59.5	119	74-122	
2-Butanone (MEK)	ug/L	<5.0	50	52.5	105	33-148	v1
2-Hexanone	ug/L	<5.0	50	48.4	97	49-124	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	54.6	109	60-136	
Acetone	ug/L	<5.0	50	42.3	80	35-112	v1
Benzene	ug/L	<1.0	50	56.9	114	70-130	
Bromodichloromethane	ug/L	<1.0	50	52.6	105	74-122	
Bromoform	ug/L	<1.0	50	47.3	95	39-139	
Bromomethane	ug/L	<1.0	50	49.4	99	10-130	
Carbon disulfide	ug/L	<1.0	50	63.1	126	60-129	
Carbon tetrachloride	ug/L	<1.0	50	56.8	114	56-143	
Chlorobenzene	ug/L	<1.0	50	50.2	100	74-122	
Chloroethane	ug/L	<1.0	50	65.7	131	35-146	
Chloroform	ug/L	<1.0	50	56.3	113	71-129	
Chloromethane	ug/L	<1.0	50	73.9	148	29-112	M0,v1
cis-1,3-Dichloropropene	ug/L	<1.0	50	54.5	109	67-130	
Dibromochloromethane	ug/L	<1.0	50	49.1	98	55-126	
Ethylbenzene	ug/L	<1.0	50	50.0	100	70-126	
Methylene Chloride	ug/L	<1.0	50	50.6	101	69-117	
Styrene	ug/L	<1.0	50	51.2	102	79-123	
Tetrachloroethene	ug/L	<1.0	50	42.6	85	64-124	v3
Toluene	ug/L	<1.0	50	54.9	110	76-123	
trans-1,3-Dichloropropene	ug/L	<1.0	50	54.3	109	61-130	
Trichloroethene	ug/L	<1.0	50	55.3	111	73-125	
Vinyl chloride	ug/L	<1.0	50	71.0	142	33-127	M1
Xylene (Total)	ug/L	<3.0	150	152	102	78-123	
1,2-Dichloroethane-d4 (S)	%				98	81-122	
4-Bromofluorobenzene (S)	%				106	79-118	
Toluene-d8 (S)	%				97	82-122	

SAMPLE DUPLICATE: 1286880

Parameter	Units	70212915001 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		
1,1-Dichloroethane	ug/L	1.2	1.1	7	
1,1-Dichloroethene	ug/L	3.5	3.6	3	
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	61.8	61.5	0	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

SAMPLE DUPLICATE: 1286880

Parameter	Units	70212915001 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<1.0	<0.70		
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-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	741	534	32	D6,E,v3
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	ug/L	112	112	0	
Vinyl chloride	ug/L	<1.0	<1.0		
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	98	97		
4-Bromofluorobenzene (S)	%	101	102		
Toluene-d8 (S)	%	94	96		

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

QC Batch: 254391
QC Batch Method: SM22 4500-H+B
Analysis Method: SM22 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70212299001, 70212299002, 70212299003, 70212299004

SAMPLE DUPLICATE: 1285303

Parameter	Units	70212197001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.5	7.4	1	H3,H6,N3
Temperature, Water (C)	deg C	19.9	20.0	1	H3,H6

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

QC Batch: 254236
QC Batch Method: SM22 5310B
Analysis Method: SM22 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70212299001

METHOD BLANK: 1284858 Matrix: Water
Associated Lab Samples: 70212299001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	04/28/22 11:32	

LABORATORY CONTROL SAMPLE: 1284859

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.4	94	85-115	

MATRIX SPIKE SAMPLE: 1284861

Parameter	Units	70212388001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	10	9.5	95	75-125	

SAMPLE DUPLICATE: 1284860

Parameter	Units	70212388001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

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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: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

QC Batch: 254237
QC Batch Method: SM22 5310B
Analysis Method: SM22 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70212299002, 70212299003, 70212299004

METHOD BLANK: 1284862 Matrix: Water
Associated Lab Samples: 70212299002, 70212299003, 70212299004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	04/28/22 15:30	

LABORATORY CONTROL SAMPLE: 1284863

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.4	94	85-115	

MATRIX SPIKE SAMPLE: 1284865

Parameter	Units	70212483001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	0.86J	10	10.3	94	75-125	

SAMPLE DUPLICATE: 1284864

Parameter	Units	70212483001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	0.86J	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

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

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
L1	Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
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
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Melville, NY 11747
(631)694-3040

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT/MIN1001 4/25
Pace Project No.: 70212299

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70212299001	**SYS - EFF**	EPA 200.7	254398	EPA 200.7	254470
70212299002	**SYS - INF**	EPA 200.7	254398	EPA 200.7	254470
70212299003	**MAG**	EPA 200.7	254398	EPA 200.7	254470
70212299004	**UG**	EPA 200.7	254398	EPA 200.7	254470
70212299001	**SYS - EFF**	EPA 8260C/5030C	254631		
70212299002	**SYS - INF**	EPA 8260C/5030C	254631		
70212299003	**MAG**	EPA 8260C/5030C	254631		
70212299004	**UG**	EPA 8260C/5030C	254631		
70212299001	**SYS - EFF**	SM22 4500-H+B	254391		
70212299002	**SYS - INF**	SM22 4500-H+B	254391		
70212299003	**MAG**	SM22 4500-H+B	254391		
70212299004	**UG**	SM22 4500-H+B	254391		
70212299001	**SYS - EFF**	SM22 5310B	254236		
70212299002	**SYS - INF**	SM22 5310B	254237		
70212299003	**MAG**	SM22 5310B	254237		
70212299004	**UG**	SM22 5310B	254237		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 70212299

70212299

LAB US… Number or …ILY

Cont… GFD

3 | 1 | U | 2

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: PWGC	Billing Information: Same as Client
Address: 630 Johnson Ave, Bohemia, NY	
Report To: Kaitlyn Crosby	Email To: Kcrosby@pwgrosser.com
Copy To:	Site Collection Info/Address: 540 Smith Street
Customer Project Name/Number: MinMilt / MIN1001	State: NY County/City: Farmingdale Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 631-589-6353 Email: Kcrosby@pwgrosser.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Kaitlyn Crosby	Purchase Order # : Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	VOC	Iron	PH	TOC
SYS-EFF	GW	Grab			4-25-22	1300		6	P/G	X	X	X	X
SYS-INF						1305							
MAG						1310							
UG						1315							

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	(N)	NA
Custody Signatures Present	(Y)	N	NA
Collector Signature Present	(Y)	N	NA
Bottles Intact	(Y)	N	NA
Correct Bottles	(Y)	N	NA
Sufficient Volume	(Y)	N	NA
Samples Received on Ice	(Y)	N	NA
VOA - Headspace Acceptable	Y	N	(NA)
USDA Regulated Soils	Y	N	(NA)
Samples in Holding Time	(Y)	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips: _____			
Sample pH Acceptable	(Y)	N	NA
pH Strips: HC173342			
Sulfide Present	Y	N	NA
Lead Acetate Strips: _____			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: (Wet) Blue Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #:

Samples received via: FEDEX UPS (Client) Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: TH041
Cooler 1 Temp Upon Receipt: 2.6 oC
Cooler 1 Therm Corr. Factor: 0.1 oC
Cooler 1 Corrected Temp: 2.7 oC
Comments:

Relinquished by/Company: (Signature) PWGC	Date/Time: 4-25-22 1354	Received by/Company: (Signature)	Date/Time: 4/25 13:56	MTJL LAB USE ONLY Table #:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	Acctnum: Template: Prelogin:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:	PM: PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

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

June 01, 2022

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on May 17, 2022. 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

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

Sincerely,

Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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

CERTIFICATIONS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: SYS-EFF **Lab ID: 70215069001** Collected: 05/17/22 11:15 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**7850**	ug/L	100	1	05/19/22 09:15	05/23/22 21:46	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	107-06-2	
1,2-Dichloroethene (Total)	**24.7**	ug/L	2.0	1		05/24/22 12:52	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/24/22 12:52	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/24/22 12:52	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/24/22 12:52	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/24/22 12:52	67-64-1	IH
Benzene	**<0.70**	ug/L	0.70	1		05/24/22 12:52	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/24/22 12:52	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/24/22 12:52	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/24/22 12:52	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	100-42-5	
Tetrachloroethene	**12.5**	ug/L	1.0	1		05/24/22 12:52	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		05/24/22 12:52	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/24/22 12:52	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 12:52	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	81-122	1		05/24/22 12:52	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		05/24/22 12:52	460-00-4	
Toluene-d8 (S)	93	%	82-122	1		05/24/22 12:52	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.9**	Std. Units	0.10	1		05/19/22 13:48		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: SYS-EFF **Lab ID: 70215069001** Collected: 05/17/22 11:15 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.8**	deg C	0.10	1		05/19/22 13:48		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**4.0**	mg/L	1.0	1		05/31/22 17:23	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: SYS-INF **Lab ID: 70215069002** Collected: 05/17/22 11:25 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**16300**	ug/L	100	1	05/19/22 09:15	05/23/22 21:48	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-34-3	
1,1-Dichloroethene	**3.0**	ug/L	1.0	1		05/24/22 13:11	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	107-06-2	
1,2-Dichloroethene (Total)	**2630**	ug/L	50.0	25		05/24/22 13:38	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/24/22 13:11	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/24/22 13:11	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/24/22 13:11	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/24/22 13:11	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/24/22 13:11	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/24/22 13:11	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/24/22 13:11	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:11	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/24/22 13:11	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	100-42-5	
Tetrachloroethene	**596**	ug/L	25.0	25		05/24/22 13:38	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	108-88-3	
Trichloroethene	**213**	ug/L	25.0	25		05/24/22 13:38	79-01-6	
Vinyl chloride	**124**	ug/L	1.0	1		05/24/22 13:11	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/24/22 13:11	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 13:11	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	81-122	1		05/24/22 13:11	17060-07-0	
4-Bromofluorobenzene (S)	102	%	79-118	1		05/24/22 13:11	460-00-4	
Toluene-d8 (S)	93	%	82-122	1		05/24/22 13:11	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.6**	Std. Units	0.10	1		05/19/22 13:50		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: SYS-INF **Lab ID: 70215069002** Collected: 05/17/22 11:25 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**19.0**	deg C	0.10	1		05/19/22 13:50		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**4.4**	mg/L	1.0	1		05/31/22 17:47	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: MAG **Lab ID: 70215069003** Collected: 05/17/22 11:35 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**6320**	ug/L	100	1	05/19/22 09:15	05/23/22 21:50	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-34-3	
1,1-Dichloroethene	**1.9**	ug/L	1.0	1		05/24/22 13:57	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	107-06-2	
1,2-Dichloroethene (Total)	**1290**	ug/L	20.0	10		05/24/22 14:42	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/24/22 13:57	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/24/22 13:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/24/22 13:57	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/24/22 13:57	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		05/24/22 13:57	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/24/22 13:57	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/24/22 13:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/24/22 13:57	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/24/22 13:57	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	100-42-5	
Tetrachloroethene	**716**	ug/L	10.0	10		05/24/22 14:42	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	108-88-3	
Trichloroethene	**87.8**	ug/L	1.0	1		05/24/22 13:57	79-01-6	
Vinyl chloride	**22.3**	ug/L	1.0	1		05/24/22 13:57	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/24/22 13:57	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 13:57	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	88	%	81-122	1		05/24/22 13:57	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		05/24/22 13:57	460-00-4	
Toluene-d8 (S)	93	%	82-122	1		05/24/22 13:57	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.5**	Std. Units	0.10	1		05/19/22 13:53		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: MAG **Lab ID: 70215069003** Collected: 05/17/22 11:35 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.5**	deg C	0.10	1		05/19/22 13:53		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**1.3**	mg/L	1.0	1		05/31/22 17:59	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: UG **Lab ID: 70215069004** Collected: 05/17/22 11:45 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**27300**	ug/L	100	1	05/19/22 09:15	05/23/22 21:53	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-34-3	
1,1-Dichloroethene	**4.8**	ug/L	1.0	1		05/24/22 15:01	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	107-06-2	
1,2-Dichloroethene (Total)	**4140**	ug/L	80.0	40		05/24/22 15:28	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		05/24/22 15:01	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		05/24/22 15:01	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		05/24/22 15:01	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		05/24/22 15:01	67-64-1	IH
Benzene	**<0.70**	ug/L	0.70	1		05/24/22 15:01	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		05/24/22 15:01	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		05/24/22 15:01	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		05/24/22 15:01	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		05/24/22 15:01	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	100-42-5	
Tetrachloroethene	**501**	ug/L	40.0	40		05/24/22 15:28	127-18-4	v3
Toluene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	108-88-3	
Trichloroethene	**383**	ug/L	40.0	40		05/24/22 15:28	79-01-6	
Vinyl chloride	**267**	ug/L	40.0	40		05/24/22 15:28	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		05/24/22 15:01	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		05/24/22 15:01	10061-02-6	
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	81-122	1		05/24/22 15:01	17060-07-0	
4-Bromofluorobenzene (S)	100	%	79-118	1		05/24/22 15:01	460-00-4	
Toluene-d8 (S)	92	%	82-122	1		05/24/22 15:01	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.4**	Std. Units	0.10	1		05/19/22 13:58		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Sample: UG **Lab ID: 70215069004** Collected: 05/17/22 11:45 Received: 05/17/22 12:05 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**19.7**	deg C	0.10	1		05/19/22 13:58		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**8.1**	mg/L	1.0	1		05/31/22 18:11	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

QC Batch: 257310 Analysis Method: EPA 200.7
QC Batch Method: EPA 200.7 Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

METHOD BLANK: 1299419 Matrix: Water
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	05/23/22 20:32	

LABORATORY CONTROL SAMPLE: 1299420

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	13100	105	85-115	

MATRIX SPIKE SAMPLE: 1299422

Parameter	Units	70213830029 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	11300	5000	16200	99	70-130	

MATRIX SPIKE SAMPLE: 1299424

Parameter	Units	70215088025 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	322	5000	5460	103	70-130	

SAMPLE DUPLICATE: 1299421

Parameter	Units	70213830029 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	11300	11100	2	

SAMPLE DUPLICATE: 1299423

Parameter	Units	70215088025 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	322	311	4	

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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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

QC Batch: 257915
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

METHOD BLANK: 1302439 Matrix: Water
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
1,1-Dichloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
1,1-Dichloroethene	ug/L	<1.0	1.0	05/24/22 10:20	
1,2-Dichloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	05/24/22 10:20	
1,2-Dichloropropane	ug/L	<1.0	1.0	05/24/22 10:20	
2-Butanone (MEK)	ug/L	<5.0	5.0	05/24/22 10:20	
2-Hexanone	ug/L	<5.0	5.0	05/24/22 10:20	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	05/24/22 10:20	
Acetone	ug/L	<5.0	5.0	05/24/22 10:20	
Benzene	ug/L	<0.70	0.70	05/24/22 10:20	
Bromodichloromethane	ug/L	<1.0	1.0	05/24/22 10:20	
Bromoform	ug/L	<1.0	1.0	05/24/22 10:20	v3
Bromomethane	ug/L	<1.0	1.0	05/24/22 10:20	
Carbon disulfide	ug/L	<1.0	1.0	05/24/22 10:20	
Carbon tetrachloride	ug/L	<1.0	1.0	05/24/22 10:20	v3
Chlorobenzene	ug/L	<1.0	1.0	05/24/22 10:20	
Chloroethane	ug/L	<1.0	1.0	05/24/22 10:20	
Chloroform	ug/L	<1.0	1.0	05/24/22 10:20	
Chloromethane	ug/L	<1.0	1.0	05/24/22 10:20	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	05/24/22 10:20	
Dibromochloromethane	ug/L	<1.0	1.0	05/24/22 10:20	
Ethylbenzene	ug/L	<1.0	1.0	05/24/22 10:20	
Methylene Chloride	ug/L	<1.0	1.0	05/24/22 10:20	
Styrene	ug/L	<1.0	1.0	05/24/22 10:20	
Tetrachloroethene	ug/L	<1.0	1.0	05/24/22 10:20	v3
Toluene	ug/L	<1.0	1.0	05/24/22 10:20	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	05/24/22 10:20	
Trichloroethene	ug/L	<1.0	1.0	05/24/22 10:20	
Vinyl chloride	ug/L	<1.0	1.0	05/24/22 10:20	
Xylene (Total)	ug/L	<3.0	3.0	05/24/22 10:20	
1,2-Dichloroethane-d4 (S)	%	86	81-122	05/24/22 10:20	
4-Bromofluorobenzene (S)	%	101	79-118	05/24/22 10:20	
Toluene-d8 (S)	%	95	82-122	05/24/22 10:20	

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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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

LABORATORY CONTROL SAMPLE: 1302440

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	45.1	90	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	50.9	102	70-127	
1,1,2-Trichloroethane	ug/L	50	53.0	106	81-119	
1,1-Dichloroethane	ug/L	50	55.9	112	72-126	
1,1-Dichloroethene	ug/L	50	44.0	88	66-133	
1,2-Dichloroethane	ug/L	50	54.9	110	69-134	
1,2-Dichloroethene (Total)	ug/L	100	119	119	69-123	
1,2-Dichloropropane	ug/L	50	52.8	106	75-125	
2-Butanone (MEK)	ug/L	50	51.9	104	33-165	IH
2-Hexanone	ug/L	50	45.7	91	50-128	IH
4-Methyl-2-pentanone (MIBK)	ug/L	50	49.1	98	62-131	
Acetone	ug/L	50	54.6	109	14-156	IH
Benzene	ug/L	50	56.2	112	78-117	
Bromodichloromethane	ug/L	50	48.8	98	80-123	
Bromoform	ug/L	50	40.1	80	49-138	v3
Bromomethane	ug/L	50	50.9	102	10-143	
Carbon disulfide	ug/L	50	43.0	86	66-133	
Carbon tetrachloride	ug/L	50	39.2	78	64-135	v3
Chlorobenzene	ug/L	50	50.1	100	79-117	
Chloroethane	ug/L	50	41.2	82	31-156	
Chloroform	ug/L	50	57.9	116	79-123	
Chloromethane	ug/L	50	34.0	68	39-116	
cis-1,3-Dichloropropene	ug/L	50	48.9	98	78-131	
Dibromochloromethane	ug/L	50	43.0	86	65-123	
Ethylbenzene	ug/L	50	47.1	94	79-115	
Methylene Chloride	ug/L	50	56.9	114	67-123	
Styrene	ug/L	50	49.7	99	82-121	
Tetrachloroethene	ug/L	50	33.2	66	65-120	v3
Toluene	ug/L	50	55.6	111	80-114	
trans-1,3-Dichloropropene	ug/L	50	45.3	91	73-135	
Trichloroethene	ug/L	50	50.8	102	79-115	
Vinyl chloride	ug/L	50	42.1	84	49-118	
Xylene (Total)	ug/L	150	145	96	80-118	
1,2-Dichloroethane-d4 (S)	%			84	81-122	
4-Bromofluorobenzene (S)	%			101	79-118	
Toluene-d8 (S)	%			95	82-122	

SAMPLE DUPLICATE: 1302805

Parameter	Units	70215069001 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		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		

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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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

SAMPLE DUPLICATE: 1302805

Parameter	Units	70215069001 Result	Dup Result	RPD	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	24.7	24.1	3	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		IH
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		v3
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		v3
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-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	ug/L	<1.0	<1.0		
Methylene Chloride	ug/L	<1.0	<1.0		
Styrene	ug/L	<1.0	<1.0		
Tetrachloroethene	ug/L	12.5	12.1	3	v3
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Trichloroethene	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)	%	86	89		
4-Bromofluorobenzene (S)	%	100	101		
Toluene-d8 (S)	%	93	94		

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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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

QC Batch: 257418
QC Batch Method: SM22 4500-H+B
Analysis Method: SM22 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

SAMPLE DUPLICATE: 1299754

Parameter	Units	70215138001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.8	7.8	0	H3,H6,N3
Temperature, Water (C)	deg C	11.7	11.7	0	H3,H6

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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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

QC Batch: 258731 Analysis Method: SM22 5310B
QC Batch Method: SM22 5310B Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

METHOD BLANK: 1306038 Matrix: Water
Associated Lab Samples: 70215069001, 70215069002, 70215069003, 70215069004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	05/31/22 16:24	

LABORATORY CONTROL SAMPLE: 1306039

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	85-115	

MATRIX SPIKE SAMPLE: 1306041

Parameter	Units	70215436001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	10	10.0	98	75-125	

SAMPLE DUPLICATE: 1306040

Parameter	Units	70215436001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

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

H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
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: MIN1001/MINMILT 5/17
Pace Project No.: 70215069

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70215069001	**SYS-EFF**	EPA 200.7	257310	EPA 200.7	257386
70215069002	**SYS-INF**	EPA 200.7	257310	EPA 200.7	257386
70215069003	**MAG**	EPA 200.7	257310	EPA 200.7	257386
70215069004	**UG**	EPA 200.7	257310	EPA 200.7	257386
70215069001	**SYS-EFF**	EPA 8260C/5030C	257915		
70215069002	**SYS-INF**	EPA 8260C/5030C	257915		
70215069003	**MAG**	EPA 8260C/5030C	257915		
70215069004	**UG**	EPA 8260C/5030C	257915		
70215069001	**SYS-EFF**	SM22 4500-H+B	257418		
70215069002	**SYS-INF**	SM22 4500-H+B	257418		
70215069003	**MAG**	SM22 4500-H+B	257418		
70215069004	**UG**	SM22 4500-H+B	257418		
70215069001	**SYS-EFF**	SM22 5310B	258731		
70215069002	**SYS-INF**	SM22 5310B	258731		
70215069003	**MAG**	SM22 5310B	258731		
70215069004	**UG**	SM22 5310B	258731		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

LAB USE ONLY- Affix W

WO# : 70215069

70215069

ALL BOLD

Container Preserva

3 1 U 2

GFD

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

Company: PWGC	Billing Information: Same as client
Address: 630 Johnson Ave, Bohemia NY	
Report To: Kaitlyn Crosby	Email To: Kcrosby@pwgrosser.com
Copy To:	Site Collection Info/Address: 540 Smith Street
Customer Project Name/Number: MIN1001 / Minn Mist	State: NY County/City: Farmingdale Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 631-589-6353 Email: Kcrosby@pwgrosser.com	Site/Facility ID #: Compliance Monitoring? [ ] Yes [ ] No
Collected By (print): Kaitlyn Crosby	Purchase Order # : Quote #: DW PWS ID #: DW Location Code:
Collected By (signature):	Turnaround Date Required: Standard Immediately Packed on Ice: [X] Yes [ ] No
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day
	Field Filtered (if applicable): [ ] Yes [ ] No Analysis: _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	VOC	Iron	PH	TOC
SYS-EFF	GW	Grab			5-17-22	1115		6	P/G	X	X	X	X
SYS-INF						1125							
MAG						1135							
UG						1145							

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips: HC160347			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet Blue Dry None

Packing Material Used: BB

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A

Lab Tracking #:

Samples received via: FEDEX UPS Client Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: TH107
Cooler 1 Temp Upon Receipt: 2.4 oC
Cooler 1 Therm Corr. Factor: .1 oC
Cooler 1 Corrected Temp: 2.5 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PWG-C	5-17-22 1205		5/17/22 12:05
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y N NA
HCL MeOH TSP Other

Non Conformance(s): YES / NO

Page: 1 of: 1

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

June 23, 2022

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 09, 2022. 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

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

Sincerely,

Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

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

CERTIFICATIONS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: SYS-EFF **Lab ID: 70217788001** Collected: 06/09/22 11:30 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**7650**	ug/L	100	1	06/14/22 08:05	06/23/22 13:04	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-34-3	
1,1-Dichloroethene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	107-06-2	
1,2-Dichloroethene (Total)	**24.6**	ug/L	2.0	1		06/16/22 16:23	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/16/22 16:23	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/16/22 16:23	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/16/22 16:23	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		06/16/22 16:23	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		06/16/22 16:23	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/16/22 16:23	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/16/22 16:23	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/16/22 16:23	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	100-42-5	
Tetrachloroethene	**20.1**	ug/L	1.0	1		06/16/22 16:23	127-18-4	L2,v3
Toluene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	108-88-3	
Trichloroethene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	79-01-6	
Vinyl chloride	**<1.0**	ug/L	1.0	1		06/16/22 16:23	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/16/22 16:23	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 16:23	10061-02-6	v3
Surrogates								
1,2-Dichloroethane-d4 (S)	85	%	81-122	1		06/16/22 16:23	17060-07-0	
4-Bromofluorobenzene (S)	99	%	79-118	1		06/16/22 16:23	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		06/16/22 16:23	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.8**	Std. Units	0.10	1		06/14/22 12:43		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: SYS-EFF **Lab ID: 70217788001** Collected: 06/09/22 11:30 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.4**	deg C	0.10	1		06/14/22 12:43		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**3.8**	mg/L	1.0	1		06/15/22 14:19	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: SYS-INF **Lab ID: 70217788002** Collected: 06/09/22 11:40 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**14600**	ug/L	100	1	06/14/22 08:05	06/23/22 13:11	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-34-3	
1,1-Dichloroethene	**3.6**	ug/L	1.0	1		06/16/22 13:57	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	107-06-2	
1,2-Dichloroethene (Total)	**2720**	ug/L	50.0	25		06/16/22 14:26	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/16/22 13:57	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/16/22 13:57	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/16/22 13:57	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		06/16/22 13:57	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		06/16/22 13:57	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/16/22 13:57	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/16/22 13:57	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/16/22 13:57	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/16/22 13:57	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	100-42-5	
Tetrachloroethene	**768**	ug/L	25.0	25		06/16/22 14:26	127-18-4	L2,v3
Toluene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	108-88-3	
Trichloroethene	**206**	ug/L	25.0	25		06/16/22 14:26	79-01-6	
Vinyl chloride	**152**	ug/L	1.0	1		06/16/22 13:57	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/16/22 13:57	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 13:57	10061-02-6	v3
Surrogates								
1,2-Dichloroethane-d4 (S)	86	%	81-122	1		06/16/22 13:57	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		06/16/22 13:57	460-00-4	
Toluene-d8 (S)	100	%	82-122	1		06/16/22 13:57	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.5**	Std. Units	0.10	1		06/14/22 12:47		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: SYS-INF **Lab ID: 70217788002** Collected: 06/09/22 11:40 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.4**	deg C	0.10	1		06/14/22 12:47		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**4.1**	mg/L	1.0	1		06/15/22 14:31	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: MAG **Lab ID: 70217788003** Collected: 06/09/22 11:50 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**6050**	ug/L	100	1	06/14/22 08:05	06/23/22 13:14	7439-89-6	
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-34-3	
1,1-Dichloroethene	**2.0**	ug/L	1.0	1		06/16/22 14:45	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	107-06-2	
1,2-Dichloroethene (Total)	**1350**	ug/L	40.0	20		06/16/22 15:18	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/16/22 14:45	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/16/22 14:45	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/16/22 14:45	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		06/16/22 14:45	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		06/16/22 14:45	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/16/22 14:45	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/16/22 14:45	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/16/22 14:45	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/16/22 14:45	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	100-42-5	
Tetrachloroethene	**951**	ug/L	20.0	20		06/16/22 15:18	127-18-4	L2,v3
Toluene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	108-88-3	
Trichloroethene	**82.1**	ug/L	1.0	1		06/16/22 14:45	79-01-6	
Vinyl chloride	**28.9**	ug/L	1.0	1		06/16/22 14:45	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/16/22 14:45	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 14:45	10061-02-6	v3
Surrogates								
1,2-Dichloroethane-d4 (S)	87	%	81-122	1		06/16/22 14:45	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		06/16/22 14:45	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		06/16/22 14:45	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.4**	Std. Units	0.10	1		06/14/22 12:49		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: MAG **Lab ID: 70217788003** Collected: 06/09/22 11:50 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.4**	deg C	0.10	1		06/14/22 12:49		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**1.1**	mg/L	1.0	1		06/15/22 20:04	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: UG **Lab ID: 70217788004** Collected: 06/09/22 12:00 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total	Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	**24600**	ug/L	100	1	06/14/22 08:05	06/23/22 13:16	7439-89-6	M1
8260C Volatile Organics	Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	71-55-6	
1,1,2,2-Tetrachloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	79-34-5	
1,1,2-Trichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	79-00-5	
1,1-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-34-3	
1,1-Dichloroethene	**5.7**	ug/L	1.0	1		06/16/22 15:37	75-35-4	
1,2-Dichloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	107-06-2	
1,2-Dichloroethene (Total)	**4430**	ug/L	80.0	40		06/16/22 16:04	540-59-0	
1,2-Dichloropropane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	78-87-5	
2-Butanone (MEK)	**<5.0**	ug/L	5.0	1		06/16/22 15:37	78-93-3	
2-Hexanone	**<5.0**	ug/L	5.0	1		06/16/22 15:37	591-78-6	
4-Methyl-2-pentanone (MIBK)	**<5.0**	ug/L	5.0	1		06/16/22 15:37	108-10-1	
Acetone	**<5.0**	ug/L	5.0	1		06/16/22 15:37	67-64-1	
Benzene	**<0.70**	ug/L	0.70	1		06/16/22 15:37	71-43-2	
Bromodichloromethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-27-4	
Bromoform	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-25-2	v3
Bromomethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	74-83-9	
Carbon disulfide	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-15-0	
Carbon tetrachloride	**<1.0**	ug/L	1.0	1		06/16/22 15:37	56-23-5	v3
Chlorobenzene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	108-90-7	
Chloroethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-00-3	
Chloroform	**<1.0**	ug/L	1.0	1		06/16/22 15:37	67-66-3	
Chloromethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	74-87-3	
Dibromochloromethane	**<1.0**	ug/L	1.0	1		06/16/22 15:37	124-48-1	
Ethylbenzene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	100-41-4	
Methylene Chloride	**<1.0**	ug/L	1.0	1		06/16/22 15:37	75-09-2	
Styrene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	100-42-5	
Tetrachloroethene	**514**	ug/L	40.0	40		06/16/22 16:04	127-18-4	L2,v3
Toluene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	108-88-3	
Trichloroethene	**365**	ug/L	40.0	40		06/16/22 16:04	79-01-6	
Vinyl chloride	**284**	ug/L	40.0	40		06/16/22 16:04	75-01-4	
Xylene (Total)	**<3.0**	ug/L	3.0	1		06/16/22 15:37	1330-20-7	
cis-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	10061-01-5	
trans-1,3-Dichloropropene	**<1.0**	ug/L	1.0	1		06/16/22 15:37	10061-02-6	v3
Surrogates								
1,2-Dichloroethane-d4 (S)	84	%	81-122	1		06/16/22 15:37	17060-07-0	
4-Bromofluorobenzene (S)	101	%	79-118	1		06/16/22 15:37	460-00-4	
Toluene-d8 (S)	99	%	82-122	1		06/16/22 15:37	2037-26-5	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	**6.3**	Std. Units	0.10	1		06/14/22 12:51		H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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

ANALYTICAL RESULTS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Sample: UG **Lab ID: 70217788004** Collected: 06/09/22 12:00 Received: 06/09/22 12:50 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	**18.9**	deg C	0.10	1		06/14/22 12:51		H3,H6
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	**7.3**	mg/L	1.0	1		06/15/22 20:41	7440-44-0	

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

QC Batch: 260566
QC Batch Method: EPA 200.7
Analysis Method: EPA 200.7
Analysis Description: 200.7 Metals, Total
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70217788001, 70217788002, 70217788003, 70217788004

METHOD BLANK: 1315597 Matrix: Water
Associated Lab Samples: 70217788001, 70217788002, 70217788003, 70217788004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	06/23/22 12:29	

LABORATORY CONTROL SAMPLE: 1315598

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	11600	93	85-115	

MATRIX SPIKE SAMPLE: 1315600

Parameter	Units	70217977003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	5140	102	70-130	

MATRIX SPIKE SAMPLE: 1315602

Parameter	Units	70217788004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	24600	5000	28000	69	70-130	M1

SAMPLE DUPLICATE: 1315599

Parameter	Units	70217977003 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 1315601

Parameter	Units	70217788004 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	24600	24500	0	

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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: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

QC Batch: 260957
QC Batch Method: EPA 8260C/5030C
Analysis Method: EPA 8260C/5030C
Analysis Description: 8260 MSV
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70217788001, 70217788002, 70217788003, 70217788004

METHOD BLANK: 1317734 Matrix: Water
Associated Lab Samples: 70217788001, 70217788002, 70217788003, 70217788004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
1,1-Dichloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/16/22 11:33	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	06/16/22 11:33	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/16/22 11:33	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/16/22 11:33	
2-Hexanone	ug/L	<5.0	5.0	06/16/22 11:33	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/16/22 11:33	
Acetone	ug/L	<5.0	5.0	06/16/22 11:33	
Benzene	ug/L	<0.70	0.70	06/16/22 11:33	
Bromodichloromethane	ug/L	<1.0	1.0	06/16/22 11:33	
Bromoform	ug/L	<1.0	1.0	06/16/22 11:33	v3
Bromomethane	ug/L	<1.0	1.0	06/16/22 11:33	
Carbon disulfide	ug/L	<1.0	1.0	06/16/22 11:33	
Carbon tetrachloride	ug/L	<1.0	1.0	06/16/22 11:33	v3
Chlorobenzene	ug/L	<1.0	1.0	06/16/22 11:33	
Chloroethane	ug/L	<1.0	1.0	06/16/22 11:33	
Chloroform	ug/L	<1.0	1.0	06/16/22 11:33	
Chloromethane	ug/L	<1.0	1.0	06/16/22 11:33	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/16/22 11:33	
Dibromochloromethane	ug/L	<1.0	1.0	06/16/22 11:33	
Ethylbenzene	ug/L	<1.0	1.0	06/16/22 11:33	
Methylene Chloride	ug/L	<1.0	1.0	06/16/22 11:33	
Styrene	ug/L	<1.0	1.0	06/16/22 11:33	
Tetrachloroethene	ug/L	<1.0	1.0	06/16/22 11:33	v3
Toluene	ug/L	<1.0	1.0	06/16/22 11:33	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/16/22 11:33	v3
Trichloroethene	ug/L	<1.0	1.0	06/16/22 11:33	
Vinyl chloride	ug/L	<1.0	1.0	06/16/22 11:33	
Xylene (Total)	ug/L	<3.0	3.0	06/16/22 11:33	
1,2-Dichloroethane-d4 (S)	%	83	81-122	06/16/22 11:33	
4-Bromofluorobenzene (S)	%	99	79-118	06/16/22 11:33	
Toluene-d8 (S)	%	98	82-122	06/16/22 11:33	

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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: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

LABORATORY CONTROL SAMPLE: 1317735

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	38.4	77	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	49.5	99	70-127	
1,1,2-Trichloroethane	ug/L	50	50.7	101	81-119	
1,1-Dichloroethane	ug/L	50	53.4	107	72-126	
1,1-Dichloroethene	ug/L	50	48.1	96	66-133	
1,2-Dichloroethane	ug/L	50	50.9	102	69-134	
1,2-Dichloroethene (Total)	ug/L	100	116	116	69-123	
1,2-Dichloropropane	ug/L	50	49.3	99	75-125	
2-Butanone (MEK)	ug/L	50	51.4	103	33-165	IH
2-Hexanone	ug/L	50	43.1	86	50-128	IH
4-Methyl-2-pentanone (MIBK)	ug/L	50	44.4	89	62-131	
Acetone	ug/L	50	56.7	113	14-156	IH
Benzene	ug/L	50	51.0	102	78-117	
Bromodichloromethane	ug/L	50	45.1	90	80-123	
Bromoform	ug/L	50	37.9	76	49-138	v3
Bromomethane	ug/L	50	60.2	120	10-143	IH,v1
Carbon disulfide	ug/L	50	44.5	89	66-133	
Carbon tetrachloride	ug/L	50	34.0	68	64-135	v3
Chlorobenzene	ug/L	50	48.3	97	79-117	
Chloroethane	ug/L	50	39.8	80	31-156	
Chloroform	ug/L	50	55.5	111	79-123	
Chloromethane	ug/L	50	35.1	70	39-116	
cis-1,3-Dichloropropene	ug/L	50	44.4	89	78-131	
Dibromochloromethane	ug/L	50	41.5	83	65-123	
Ethylbenzene	ug/L	50	44.2	88	79-115	
Methylene Chloride	ug/L	50	57.0	114	67-123	v1
Styrene	ug/L	50	47.9	96	82-121	
Tetrachloroethene	ug/L	50	28.8	58	65-120	L2,v3
Toluene	ug/L	50	50.8	102	80-114	
trans-1,3-Dichloropropene	ug/L	50	40.0	80	73-135	v3
Trichloroethene	ug/L	50	45.0	90	79-115	
Vinyl chloride	ug/L	50	41.8	84	49-118	
Xylene (Total)	ug/L	150	135	90	80-118	
1,2-Dichloroethane-d4 (S)	%			82	81-122	
4-Bromofluorobenzene (S)	%			102	79-118	
Toluene-d8 (S)	%			101	82-122	

MATRIX SPIKE SAMPLE: 1318566

Parameter	Units	70217789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	48.6	97	72-123	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	53.8	108	64-133	
1,1,2-Trichloroethane	ug/L	<1.0	50	54.0	108	78-120	
1,1-Dichloroethane	ug/L	<1.0	50	63.6	127	70-124	M1
1,1-Dichloroethene	ug/L	<1.0	50	66.4	133	61-139	

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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: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

MATRIX SPIKE SAMPLE: 1318566

Parameter	Units	70217789001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	56.2	112	58-138	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	143	143	59-133	
1,2-Dichloropropane	ug/L	<1.0	50	54.3	109	74-122	
2-Butanone (MEK)	ug/L	<5.0	50	48.8	98	33-148	IH
2-Hexanone	ug/L	<5.0	50	44.8	90	49-124	IH
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	49.1	98	60-136	
Acetone	ug/L	<5.0	50	42.3	85	35-112	IH
Benzene	ug/L	<0.70	50	60.2	120	70-130	
Bromodichloromethane	ug/L	<1.0	50	48.3	97	74-122	
Bromoform	ug/L	<1.0	50	38.2	76	39-139	v3
Bromomethane	ug/L	<1.0	50	61.6	123	10-130	IH,v1
Carbon disulfide	ug/L	<1.0	50	61.6	123	60-129	
Carbon tetrachloride	ug/L	<1.0	50	43.7	87	56-143	v3
Chlorobenzene	ug/L	<1.0	50	54.7	109	74-122	
Chloroethane	ug/L	<1.0	50	57.0	114	35-146	
Chloroform	ug/L	<1.0	50	64.0	128	71-129	
Chloromethane	ug/L	<1.0	50	49.7	99	29-112	
cis-1,3-Dichloropropene	ug/L	<1.0	50	45.7	91	67-130	
Dibromochloromethane	ug/L	<1.0	50	42.3	85	55-126	
Ethylbenzene	ug/L	<1.0	50	54.8	110	70-126	
Methylene Chloride	ug/L	<1.0	50	63.4	127	69-117	M1,v1
Styrene	ug/L	<1.0	50	53.4	107	79-123	
Tetrachloroethene	ug/L	<1.0	50	39.7	79	64-124	v3
Toluene	ug/L	<1.0	50	60.1	120	76-123	
trans-1,3-Dichloropropene	ug/L	<1.0	50	38.7	77	61-130	v3
Trichloroethene	ug/L	<1.0	50	55.7	111	73-125	
Vinyl chloride	ug/L	<1.0	50	64.0	128	33-127	M1
Xylene (Total)	ug/L	<3.0	150	162	108	78-123	
1,2-Dichloroethane-d4 (S)	%				82	81-122	
4-Bromofluorobenzene (S)	%				101	79-118	
Toluene-d8 (S)	%				98	82-122	

SAMPLE DUPLICATE: 1318567

Parameter	Units	70217789004 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		
1,1-Dichloroethane	ug/L	<1.0	<1.0		
1,1-Dichloroethene	ug/L	<1.0	<1.0		
1,2-Dichloroethane	ug/L	<1.0	<1.0		
1,2-Dichloroethene (Total)	ug/L	153	173	12	
1,2-Dichloropropane	ug/L	<1.0	<1.0		
2-Butanone (MEK)	ug/L	<5.0	<5.0		
2-Hexanone	ug/L	<5.0	<5.0		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

SAMPLE DUPLICATE: 1318567

Parameter	Units	70217789004 Result	Dup Result	RPD	Qualifiers
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	<5.0		
Acetone	ug/L	<5.0	<5.0		
Benzene	ug/L	<0.70	<0.70		
Bromodichloromethane	ug/L	<1.0	<1.0		
Bromoform	ug/L	<1.0	<1.0		v3
Bromomethane	ug/L	<1.0	<1.0		
Carbon disulfide	ug/L	<1.0	<1.0		
Carbon tetrachloride	ug/L	<1.0	<1.0		v3
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-1,3-Dichloropropene	ug/L	<1.0	<1.0		
Dibromochloromethane	ug/L	<1.0	<1.0		
Ethylbenzene	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		v3
Toluene	ug/L	<1.0	<1.0		
trans-1,3-Dichloropropene	ug/L	<1.0	<1.0		v3
Trichloroethene	ug/L	22.9	35.1	42	D6
Vinyl chloride	ug/L	8.6	11.1	25	D6
Xylene (Total)	ug/L	<3.0	<3.0		
1,2-Dichloroethane-d4 (S)	%	83	83		
4-Bromofluorobenzene (S)	%	99	101		
Toluene-d8 (S)	%	99	99		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

QC Batch: 260608
QC Batch Method: SM22 4500-H+B
Analysis Method: SM22 4500-H+B
Analysis Description: 4500H+B pH
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70217788001, 70217788002, 70217788003, 70217788004

SAMPLE DUPLICATE: 1315778

Parameter	Units	70217788001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.8	6.8	0	H3,H6,N3
Temperature, Water (C)	deg C	18.4	18.5	1	H3,H6

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

QC Batch: 260610
QC Batch Method: SM22 5310B
Analysis Method: SM22 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70217788001, 70217788002

METHOD BLANK: 1315790 Matrix: Water
Associated Lab Samples: 70217788001, 70217788002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	06/15/22 11:02	

LABORATORY CONTROL SAMPLE: 1315791

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.6	96	85-115	

MATRIX SPIKE SAMPLE: 1315793

Parameter	Units	70217839008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	10	11.5	103	75-125	

SAMPLE DUPLICATE: 1315792

Parameter	Units	70217839008 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.3	1.3	0	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALITY CONTROL DATA

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

QC Batch: 260779
QC Batch Method: SM22 5310B
Analysis Method: SM22 5310B
Analysis Description: 5310B TOC
Laboratory: Pace Analytical Services - Melville
Associated Lab Samples: 70217788003, 70217788004

METHOD BLANK: 1316751 Matrix: Water
Associated Lab Samples: 70217788003, 70217788004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	06/15/22 19:39	

LABORATORY CONTROL SAMPLE: 1316752

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	9.5	95	85-115	

MATRIX SPIKE SAMPLE: 1316754

Parameter	Units	70217788003 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.1	10	11.2	101	75-125	

SAMPLE DUPLICATE: 1316753

Parameter	Units	70217788003 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.1	1.1	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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

QUALIFIERS

Project: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

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

D6	The precision between the sample and sample duplicate exceeded laboratory control limits.
H3	Sample was received or analysis requested beyond the recognized method holding time.
H6	Analysis initiated outside of the 15 minute EPA recommended holding time.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
N3	Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
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: MIN1001/MINMILT 6/9
Pace Project No.: 70217788

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70217788001	**SYS-EFF**	EPA 200.7	260566	EPA 200.7	260647
70217788002	**SYS-INF**	EPA 200.7	260566	EPA 200.7	260647
70217788003	**MAG**	EPA 200.7	260566	EPA 200.7	260647
70217788004	**UG**	EPA 200.7	260566	EPA 200.7	260647
70217788001	**SYS-EFF**	EPA 8260C/5030C	260957		
70217788002	**SYS-INF**	EPA 8260C/5030C	260957		
70217788003	**MAG**	EPA 8260C/5030C	260957		
70217788004	**UG**	EPA 8260C/5030C	260957		
70217788001	**SYS-EFF**	SM22 4500-H+B	260608		
70217788002	**SYS-INF**	SM22 4500-H+B	260608		
70217788003	**MAG**	SM22 4500-H+B	260608		
70217788004	**UG**	SM22 4500-H+B	260608		
70217788001	**SYS-EFF**	SM22 5310B	260610		
70217788002	**SYS-INF**	SM22 5310B	260610		
70217788003	**MAG**	SM22 5310B	260779		
70217788004	**UG**	SM22 5310B	260779		

CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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
Chain-of-Custody is a LEGAL DOCUMENT - Complete all relevant fields

WO# : 70217788

70217788

Pace Workorder Number or

· LAB USE ONLY

Company: PWGC	Billing Information: Same as Client
Address: 630 Johnson Ave, Bohemia, NY	
Report To: Kaitlyn Crosby	Email To: Kcrosby@pwgrosser.com
Copy To:	Site Collection Info/Address: 540 Smith Street
Customer Project Name/Number: MW1001/Min Milt	State: NY County/City: Farmingdale Time Zone Collected: [ ]PT [ ]MT [ ]CT [X]ET
Phone: 631-589-6353 Email: Kcrosby@pwgrosser.com	Site/Facility ID #:
Collected By (print): Kaitlyn Crosby	Purchase Order # : Quote #:
Collected By (signature):	Turnaround Date Required: Standard
Sample Disposal: [X] Dispose as appropriate [ ] Return [ ] Archive: _____ [ ] Hold:	Rush: (Expedite Charges Apply) [ ] Same Day [ ] Next Day [ ] 2 Day [ ] 3 Day [ ] 4 Day [ ] 5 Day

Compliance Monitoring? [ ] Yes [ ] No

DW PWS ID #: DW Location Code:

Immediately Packed on Ice: [X] Yes [ ] No

Field Filtered (if applicable): [ ] Yes [ ] No

Analysis: _____

Project Manager: GFD

3 1 U 2

** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other _____

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Ground Water (GW), Wastewater (WW), Product (P), Soil/Solid (SL), Oil (OL), Wipe (WP), Air (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Collected (or Composite Start) Time	Composite End Date	Composite End Time	Res Cl	# of Ctns	Container Type: Plastic (P) or Glass (G)	VOC	Iron	pH	TOC
SYS-EFF	GW	Grab			6-9-22	1130	N	6	P/G	X	X	X	X
SYS-INF						1140							
MAG						1150							
UG						1200							
							VC						

Analyses

Lab Profile/Line:

Lab Sample Receipt Checklist:

Custody Seals Present/Intact	Y	N	NA
Custody Signatures Present	Y	N	NA
Collector Signature Present	Y	N	NA
Bottles Intact	Y	N	NA
Correct Bottles	Y	N	NA
Sufficient Volume	Y	N	NA
Samples Received on Ice	Y	N	NA
VOA - Headspace Acceptable	Y	N	NA
USDA Regulated Soils	Y	N	NA
Samples in Holding Time	Y	N	NA
Residual Chlorine Present	Y	N	NA
Cl Strips:			
Sample pH Acceptable	Y	N	NA
pH Strips:			
Sulfide Present	Y	N	NA
Lead Acetate Strips:			

LAB USE ONLY:
Lab Sample # / Comments:

Customer Remarks / Special Conditions / Possible Hazards:

Type of Ice Used: Wet (Blue) Dry None

Packing Material Used:

Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y (N) N/A

Lab Tracking #:

Samples received via: FEDEX UPS (Client) Courier Pace Courier

LAB Sample Temperature Info:
Temp Blank Received: Y (N) NA
Therm ID#: TH108
Cooler 1 Temp Upon Receipt: 6.1 oC
Cooler 1 Therm Corr. Factor: 0.1 oC
Cooler 1 Corrected Temp: 6.2 oC
Comments:

Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
PWGC	6-9-22 1250		6/9/22, 12:50
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

MTJL LAB USE ONLY
Table #:
Acctnum:
Template:
Prelogin:
PM:
PB:

Trip Blank Received: Y (N) NA
HCL MeOH TSP Other

Non Conformance(s): YES / (NO)

Page: 1 of: 1

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

July 01, 2022

Kaitlyn Crosby
P.W. Grosser Engineer & Hydrogeologist
630 Johnson Ave.
Suite 7
Bohemia, NY 11716

RE: Project: MINMILT/MIN1001 6/21
Pace Project No.: 70219215

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2022. 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:

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

Sincerely,

Giovanna F. Deloca
giovanna.deloca@pacelabs.com
(631)694-3040
Project Manager

Enclosures

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

http://www.pacelabs.com DOC #378 REV3_11232021

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: PW Grosser Consulting
Address: 630 Johnson Ave, Bohemia, NY
Phone: 631-589-6353
Project Name: Min Mill / MIN1001
Project Location: 540 Smith St, Farmingdale, NY
Project Number: MIN1001
Project Manager: Kaitlyn Crosby
Pace Quote Name/Number:
Invoice Recipient: Same as Client
Sampled By: Kaitlyn Crosby

Requested Turnaround Time			
7-Day	☐	10-Day	☐
Due Date:	Standard		
Rush-Approval Required			
1-Day	☐	3-Day	☐
2-Day	☐	4-Day	☐
Data Delivery			
Format: PDF	☐	EXCEL	☐
Other:			
CLP Like Data Pkg Required:	☐		
Email To:			
Fax To #:			

ANALYSIS REQUESTED

Please fill out completely, sign, date and retain the yellow copy for your records

Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply

For summa canister and flow controller information please refer to Con-Test's Air Media Agreement

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15				" Hg				
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa Can ID	Flow Controller ID
	SVE-INF	✓	6-21-22 1100	1		SG	6	X				-28	-5		1323	7119

WO# : 70219215
70219215

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
PWGC	6-21-22 1114
Received by: (signature)	Date/Time:
	6/21/22 11:15
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements		Special Requirements
MA		☐ MA MCP Required
		MCP Certification Form Required
		☐ CT RCP Required
CT		RCP Certification Form Required
		☐ Other
Other:		

Pace Analytical®

NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Pace Analytical®

Sample Condition Upon Rec

WO#: 70219215

PM: GFD Due Date: 07/06/22

CLIENT: PWG

Client Name: PWG 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~~ Th148 Correction Factor: +.2

☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): — Cooler Temperature Corrected(°C): —

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 6/21/22

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 MS/MSD)	☑ 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 (AA)				
All containers needing preservation have been checked?	☐ Yes	☐ No	☑ N/A	13. ☐ HNO_3 ☐ H_2SO_4 ☐ NaOH ☐ HCl
pH paper Lot #				Sample #
All containers needing preservation are found to be in compliance with method recommendation? (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). Per Method, VOA pH is checked after analysis				Initial when completed: / Lot # of added preservative: / Date/Time preservative added:
Samples checked for dechlorination:	☐ Yes	☐ No	☑ N/A	14.
KI starch test strips Lot #				Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #				
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.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

June 30, 2022

Giovanna Deloca
Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747

Project Location: Minmilt/Min1001 6/21
Client Job Number:
Project Number: 70219215
Laboratory Work Order Number: 22F1705

Enclosed are results of analyses for samples as received by the laboratory on June 24, 2022. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Jessica L. Hoffman
Project Manager

Table of Contents

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Pace Analytical Services - Long Island, NY
575 Broad Hollow Road
Melville, NY 11747
ATTN: Giovanna Deloca

REPORT DATE: 6/30/2022

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 70219215

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22F1705

The results of analyses performed on the following samples submitted to CON-TEST, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: Minmilt/Min1001 6/21

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SVE-INF	22F1705-01	Soil Gas		EPA TO-15	

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA TO-15

Qualifications:

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

1,2,4-Trichlorobenzene
22F1705-01[SVE-INF], B312034-BLK1, B312034-BS1, S073366-CCV1

Hexachlorobutadiene
22F1705-01[SVE-INF], B312034-BLK1, B312034-BS1, S073366-CCV1

Naphthalene
22F1705-01[SVE-INF], B312034-BLK1, B312034-BS1, S073366-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

ANALYTICAL RESULTS

Project Location: Minmilt/Min1001 6/21
Date Received: 6/24/2022
Field Sample #: SVE-INF
Sample ID: 22F1705-01
Sample Matrix: Soil Gas
Sampled: 6/21/2022 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1323
Canister Size: 6 liter
Flow Controller ID: 7119
Sample Type: Grab

Work Order: 22F1705
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	Results	RL	Flag/Qual	Results	RL	Dilution	Analyzed	Analyst
Acetone	11	8.0		25	19	4	6/30/22 9:35	TPH
Benzene	ND	0.20		ND	0.64	4	6/30/22 9:35	TPH
Benzyl chloride	ND	0.20		ND	1.0	4	6/30/22 9:35	TPH
Bromodichloromethane	ND	0.20		ND	1.3	4	6/30/22 9:35	TPH
Bromoform	ND	0.20		ND	2.1	4	6/30/22 9:35	TPH
Bromomethane	ND	0.20		ND	0.78	4	6/30/22 9:35	TPH
1,3-Butadiene	ND	0.20		ND	0.44	4	6/30/22 9:35	TPH
2-Butanone (MEK)	ND	8.0		ND	24	4	6/30/22 9:35	TPH
Carbon Disulfide	ND	2.0		ND	6.2	4	6/30/22 9:35	TPH
Carbon Tetrachloride	ND	0.20		ND	1.3	4	6/30/22 9:35	TPH
Chlorobenzene	ND	0.20		ND	0.92	4	6/30/22 9:35	TPH
Chloroethane	0.24	0.20		0.62	0.53	4	6/30/22 9:35	TPH
Chloroform	0.60	0.20		2.9	0.98	4	6/30/22 9:35	TPH
Chloromethane	ND	0.40		ND	0.83	4	6/30/22 9:35	TPH
Cyclohexane	ND	0.20		ND	0.69	4	6/30/22 9:35	TPH
Dibromochloromethane	ND	0.20		ND	1.7	4	6/30/22 9:35	TPH
1,2-Dibromoethane (EDB)	ND	0.20		ND	1.5	4	6/30/22 9:35	TPH
1,2-Dichlorobenzene	ND	0.20		ND	1.2	4	6/30/22 9:35	TPH
1,3-Dichlorobenzene	ND	0.20		ND	1.2	4	6/30/22 9:35	TPH
1,4-Dichlorobenzene	ND	0.20		ND	1.2	4	6/30/22 9:35	TPH
Dichlorodifluoromethane (Freon 12)	1.1	0.20		5.2	0.99	4	6/30/22 9:35	TPH
1,1-Dichloroethane	23	0.20		91	0.81	4	6/30/22 9:35	TPH
1,2-Dichloroethane	ND	0.20		ND	0.81	4	6/30/22 9:35	TPH
1,1-Dichloroethylene	0.34	0.20		1.4	0.79	4	6/30/22 9:35	TPH
cis-1,2-Dichloroethylene	370	2.0		1500	7.9	40	6/29/22 21:31	TPH
trans-1,2-Dichloroethylene	2.5	0.20		10.0	0.79	4	6/30/22 9:35	TPH
1,2-Dichloropropane	ND	0.20		ND	0.92	4	6/30/22 9:35	TPH
cis-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/30/22 9:35	TPH
trans-1,3-Dichloropropene	ND	0.20		ND	0.91	4	6/30/22 9:35	TPH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.20		ND	1.4	4	6/30/22 9:35	TPH
1,4-Dioxane	ND	2.0		ND	7.2	4	6/30/22 9:35	TPH
Ethanol	180	8.0		340	15	4	6/30/22 9:35	TPH
Ethyl Acetate	ND	2.0		ND	7.2	4	6/30/22 9:35	TPH
Ethylbenzene	ND	0.20		ND	0.87	4	6/30/22 9:35	TPH
4-Ethyltoluene	ND	0.80		ND	3.9	4	6/30/22 9:35	TPH
Heptane	ND	0.20		ND	0.82	4	6/30/22 9:35	TPH
Hexachlorobutadiene	ND	0.20	V-05	ND	2.1	4	6/30/22 9:35	TPH

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ANALYTICAL RESULTS

Project Location: Minmilt/Min1001 6/21
Date Received: 6/24/2022
Field Sample #: SVE-INF
Sample ID: 22F1705-01
Sample Matrix: Soil Gas
Sampled: 6/21/2022 11:00

Sample Description/Location:
Sub Description/Location:
Canister ID: 1323
Canister Size: 6 liter
Flow Controller ID: 7119
Sample Type: Grab

Work Order: 22F1705
Initial Vacuum(in Hg): -28
Final Vacuum(in Hg): -5
Receipt Vacuum(in Hg): -5.2
Flow Controller Type: Fixed-Orifice
Flow Controller Calibration
RPD Pre and Post-Sampling:

EPA TO-15

	ppbv			ug/m3			Date/Time	
Analyte	**Results**	**RL**	**Flag/Qual**	**Results**	**RL**	**Dilution**	**Analyzed**	**Analyst**
Hexane	ND	8.0		ND	28	4	6/30/22 9:35	TPH
2-Hexanone (MBK)	ND	0.20		ND	0.82	4	6/30/22 9:35	TPH
Isopropanol	53	8.0		130	20	4	6/30/22 9:35	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.20		ND	0.72	4	6/30/22 9:35	TPH
Methylene Chloride	2.4	2.0		8.4	6.9	4	6/30/22 9:35	TPH
4-Methyl-2-pentanone (MIBK)	ND	0.20		ND	0.82	4	6/30/22 9:35	TPH
Naphthalene	ND	0.20	V-05	ND	1.0	4	6/30/22 9:35	TPH
Propene	ND	8.0		ND	14	4	6/30/22 9:35	TPH
Styrene	ND	0.80		ND	3.4	4	6/30/22 9:35	TPH
1,1,2,2-Tetrachloroethane	ND	0.20		ND	1.4	4	6/30/22 9:35	TPH
Tetrachloroethylene	170	0.20		1200	1.4	4	6/30/22 9:35	TPH
Tetrahydrofuran	ND	2.0		ND	5.9	4	6/30/22 9:35	TPH
Toluene	0.21	0.20		0.80	0.75	4	6/30/22 9:35	TPH
1,2,4-Trichlorobenzene	ND	0.20	V-05	ND	1.5	4	6/30/22 9:35	TPH
1,1,1-Trichloroethane	3.1	0.20		17	1.1	4	6/30/22 9:35	TPH
1,1,2-Trichloroethane	ND	0.20		ND	1.1	4	6/30/22 9:35	TPH
Trichloroethylene	30	0.20		160	1.1	4	6/30/22 9:35	TPH
Trichlorofluoromethane (Freon 11)	ND	0.80		ND	4.5	4	6/30/22 9:35	TPH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.80		ND	6.1	4	6/30/22 9:35	TPH
1,2,4-Trimethylbenzene	ND	0.80		ND	3.9	4	6/30/22 9:35	TPH
1,3,5-Trimethylbenzene	ND	0.80		ND	3.9	4	6/30/22 9:35	TPH
Vinyl Acetate	ND	4.0		ND	14	4	6/30/22 9:35	TPH
Vinyl Chloride	ND	0.20		ND	0.51	4	6/30/22 9:35	TPH
m&p-Xylene	ND	0.40		ND	1.7	4	6/30/22 9:35	TPH
o-Xylene	ND	0.20		ND	0.87	4	6/30/22 9:35	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	96.8	70-130	6/29/22 21:31
4-Bromofluorobenzene (1)	96.6	70-130	6/30/22 9:35

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Sample Extraction Data

Prep Method: TO-15 Prep **Analytical Method: EP**

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
22F1705-01 [SVE-INF]	B312034	1.5	1	N/A	1000	400	150	06/29/22
22F1705-01RE1 [SVE-INF]	B312034	1.5	1	N/A	1000	400	15	06/29/22

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312034 - TO-15 Prep											
Blank (B312034-BLK1)					Prepared & Analyzed: 06/29/22						
Acetone	ND	4.0									
Benzene	ND	0.10									
Benzyl chloride	ND	0.10									
Bromodichloromethane	ND	0.10									
Bromoform	ND	0.10									
Bromomethane	ND	0.10									
1,3-Butadiene	ND	0.10									
2-Butanone (MEK)	ND	4.0									
Carbon Disulfide	ND	1.0									
Carbon Tetrachloride	ND	0.10									
Chlorobenzene	ND	0.10									
Chloroethane	ND	0.10									
Chloroform	ND	0.10									
Chloromethane	ND	0.20									
Cyclohexane	ND	0.10									
Dibromochloromethane	ND	0.10									
1,2-Dibromoethane (EDB)	ND	0.10									
1,2-Dichlorobenzene	ND	0.10									
1,3-Dichlorobenzene	ND	0.10									
1,4-Dichlorobenzene	ND	0.10									
Dichlorodifluoromethane (Freon 12)	ND	0.10									
1,1-Dichloroethane	ND	0.10									
1,2-Dichloroethane	ND	0.10									
1,1-Dichloroethylene	ND	0.10									
cis-1,2-Dichloroethylene	ND	0.10									
trans-1,2-Dichloroethylene	ND	0.10									
1,2-Dichloropropane	ND	0.10									
cis-1,3-Dichloropropene	ND	0.10									
trans-1,3-Dichloropropene	ND	0.10									
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	ND	0.10									
1,4-Dioxane	ND	1.0									
Ethanol	ND	4.0									
Ethyl Acetate	ND	1.0									
Ethylbenzene	ND	0.10									
4-Ethyltoluene	ND	0.10									
Heptane	ND	0.10									
Hexachlorobutadiene	ND	0.10									V-05
Hexane	ND	4.0									
2-Hexanone (MBK)	ND	0.10									
Isopropanol	ND	4.0									
Methyl tert-Butyl Ether (MTBE)	ND	0.10									
Methylene Chloride	ND	1.0									
4-Methyl-2-pentanone (MIBK)	ND	0.10									
Naphthalene	ND	0.10									V-05
Propene	ND	4.0									
Styrene	ND	0.10									

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312034 - TO-15 Prep											
Blank (B312034-BLK1)					Prepared & Analyzed: 06/29/22						
1,1,2,2-Tetrachloroethane	ND	0.10									
Tetrachloroethylene	ND	0.10									
Tetrahydrofuran	ND	1.0									
Toluene	ND	0.10									
1,2,4-Trichlorobenzene	ND	0.10									V-05
1,1,1-Trichloroethane	ND	0.10									
1,1,2-Trichloroethane	ND	0.10									
Trichloroethylene	ND	0.10									
Trichlorofluoromethane (Freon 11)	ND	0.40									
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.40									
1,2,4-Trimethylbenzene	ND	0.10									
1,3,5-Trimethylbenzene	ND	0.10									
Vinyl Acetate	ND	2.0									
Vinyl Chloride	ND	0.10									
m&p-Xylene	ND	0.20									
o-Xylene	ND	0.10									
Surrogate: 4-Bromofluorobenzene (1)	*7.70*				*8.00*		*96.2*	*70-130*			
LCS (B312034-BS1)					Prepared & Analyzed: 06/29/22						
Acetone	5.06				5.00		101	70-130			
Benzene	4.66				5.00		93.2	70-130			
Benzyl chloride	5.93				5.00		119	70-130			
Bromodichloromethane	4.43				5.00		88.5	70-130			
Bromoform	4.47				5.00		89.3	70-130			
Bromomethane	5.22				5.00		104	70-130			
1,3-Butadiene	4.80				5.00		96.0	70-130			
2-Butanone (MEK)	4.63				5.00		92.7	70-130			
Carbon Disulfide	5.27				5.00		105	70-130			
Carbon Tetrachloride	4.59				5.00		91.8	70-130			
Chlorobenzene	4.36				5.00		87.2	70-130			
Chloroethane	4.80				5.00		96.0	70-130			
Chloroform	5.36				5.00		107	70-130			
Chloromethane	4.06				5.00		81.3	70-130			
Cyclohexane	5.47				5.00		109	70-130			
Dibromochloromethane	4.32				5.00		86.4	70-130			
1,2-Dibromoethane (EDB)	4.86				5.00		97.2	70-130			
1,2-Dichlorobenzene	5.02				5.00		100	70-130			
1,3-Dichlorobenzene	4.93				5.00		98.5	70-130			
1,4-Dichlorobenzene	5.12				5.00		102	70-130			
Dichlorodifluoromethane (Freon 12)	5.92				5.00		118	70-130			
1,1-Dichloroethane	4.86				5.00		97.1	70-130			
1,2-Dichloroethane	5.47				5.00		109	70-130			
1,1-Dichloroethylene	5.80				5.00		116	70-130			
cis-1,2-Dichloroethylene	5.26				5.00		105	70-130			
trans-1,2-Dichloroethylene	5.21				5.00		104	70-130			
1,2-Dichloropropane	4.06				5.00		81.3	70-130			

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QUALITY CONTROL

Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv Results	ppbv RL	ug/m3 Results	ug/m3 RL	Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag/Qual
Batch B312034 - TO-15 Prep											
LCS (B312034-BS1)					Prepared & Analyzed: 06/29/22						
cis-1,3-Dichloropropene	4.85				5.00		97.0	70-130			
trans-1,3-Dichloropropene	5.22				5.00		104	70-130			
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	5.19				5.00		104	70-130			
1,4-Dioxane	5.63				5.00		113	70-130			
Ethanol	3.70				5.00		74.0	70-130			
Ethyl Acetate	5.17				5.00		103	70-130			
Ethylbenzene	6.03				5.00		121	70-130			
4-Ethyltoluene	5.99				5.00		120	70-130			
Heptane	4.53				5.00		90.6	70-130			
Hexachlorobutadiene	3.83				5.00		76.6	70-130			V-05
Hexane	4.85				5.00		97.0	70-130			
2-Hexanone (MBK)	4.64				5.00		92.8	70-130			
Isopropanol	3.81				5.00		76.2	70-130			
Methyl tert-Butyl Ether (MTBE)	6.36				5.00		127	70-130			
Methylene Chloride	4.86				5.00		97.3	70-130			
4-Methyl-2-pentanone (MIBK)	4.35				5.00		86.9	70-130			
Naphthalene	4.83				5.00		96.6	70-130			V-05
Propene	4.13				5.00		82.7	70-130			
Styrene	5.80				5.00		116	70-130			
1,1,2,2-Tetrachloroethane	4.43				5.00		88.6	70-130			
Tetrachloroethylene	4.49				5.00		89.8	70-130			
Tetrahydrofuran	6.00				5.00		120	70-130			
Toluene	5.76				5.00		115	70-130			
1,2,4-Trichlorobenzene	4.63				5.00		92.7	70-130			V-05
1,1,1-Trichloroethane	4.41				5.00		88.1	70-130			
1,1,2-Trichloroethane	4.68				5.00		93.7	70-130			
Trichloroethylene	5.07				5.00		101	70-130			
Trichlorofluoromethane (Freon 11)	5.65				5.00		113	70-130			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.38				5.00		108	70-130			
1,2,4-Trimethylbenzene	5.92				5.00		118	70-130			
1,3,5-Trimethylbenzene	5.88				5.00		118	70-130			
Vinyl Acetate	4.49				5.00		89.7	70-130			
Vinyl Chloride	4.68				5.00		93.6	70-130			
m&p-Xylene	12.6				10.0		126	70-130			
o-Xylene	6.23				5.00		125	70-130			
Surrogate: 4-Bromofluorobenzene (1)	*7.68*				*8.00*		*96.0*	*70-130*			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

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INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (S072065-ICV1)			Lab File ID: G22A144022.D			Analyzed: 05/24/22 21:40			
Bromochloromethane (1)	1256331	8.479	1268674	8.485	99	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	3475998	10.259	3495969	10.259	99	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3109272	14.63	3089177	14.63	101	60 - 140	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY

EPA TO-15

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (S073366-CCV1)			Lab File ID: G22A180005.D			Analyzed: 06/29/22 16:44			
Bromochloromethane (1)	1236358	8.313	1268674	8.485	97	60 - 140	-0.1720	+/-0.50	
1,4-Difluorobenzene (1)	4101362	10.087	3495969	10.259	117	60 - 140	-0.1720	+/-0.50	
Chlorobenzene-d5 (1)	3625816	14.452	3089177	14.63	117	60 - 140	-0.1780	+/-0.50	
LCS (B312034-BS1)			Lab File ID: G22A180006.D			Analyzed: 06/29/22 17:24			
Bromochloromethane (1)	1232719	8.307	1236358	8.313	100	60 - 140	-0.0060	+/-0.50	
1,4-Difluorobenzene (1)	4096888	10.081	4101362	10.087	100	60 - 140	-0.0060	+/-0.50	
Chlorobenzene-d5 (1)	3596410	14.452	3625816	14.452	99	60 - 140	0.0000	+/-0.50	
Blank (B312034-BLK1)			Lab File ID: G22A180008.D			Analyzed: 06/29/22 18:44			
Bromochloromethane (1)	1178541	8.313	1236358	8.313	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3825786	10.087	4101362	10.087	93	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3456851	14.452	3625816	14.452	95	60 - 140	0.0000	+/-0.50	
SVE-INF (22F1705-01RE1)			Lab File ID: G22A180012.D			Analyzed: 06/29/22 21:31			
Bromochloromethane (1)	1165600	8.313	1236358	8.313	94	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3723879	10.087	4101362	10.087	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3367176	14.452	3625816	14.452	93	60 - 140	0.0000	+/-0.50	
SVE-INF (22F1705-01)			Lab File ID: G22A180027.D			Analyzed: 06/30/22 09:35			
Bromochloromethane (1)	1176850	8.313	1236358	8.313	95	60 - 140	0.0000	+/-0.50	
1,4-Difluorobenzene (1)	3750500	10.087	4101362	10.087	91	60 - 140	0.0000	+/-0.50	
Chlorobenzene-d5 (1)	3420540	14.452	3625816	14.452	94	60 - 140	0.0000	+/-0.50	

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073366-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT	
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	5.00	4.90	1.151493	1.128962		-2.0	30
Benzene	A	5.00	4.30	0.7332017	0.6300151		-14.1	30
Benzyl chloride	A	5.00	4.60	0.8139827	0.7482158		-8.1	30
Bromodichloromethane	A	5.00	4.07	0.6420887	0.5231889		-18.5	30
Bromoform	A	5.00	3.88	0.5736496	0.4448415		-22.5	30
Bromomethane	A	5.00	4.81	0.6308906	0.6066955		-3.8	30
1,3-Butadiene	A	5.00	4.59	0.4964754	0.4560595		-8.1	30
2-Butanone (MEK)	A	5.00	4.13	1.307552	1.0797		-17.4	30
Carbon Disulfide	A	5.00	4.60	2.084846	1.919597		-7.9	30
Carbon Tetrachloride	A	5.00	4.29	0.5519968	0.4734505		-14.2	30
Chlorobenzene	A	5.00	3.98	0.8673951	0.689665		-20.5	30
Chloroethane	A	5.00	4.34	0.3476824	0.3016227		-13.2	30
Chloroform	A	5.00	4.91	1.689144	1.659543		-1.8	30
Chloromethane	A	5.00	3.89	0.7054116	0.5481946		-22.3	30
Cyclohexane	A	5.00	4.97	0.2611425	0.2595988		-0.6	30
Dibromochloromethane	A	5.00	3.84	0.6525782	0.5018951		-23.1	30
1,2-Dibromoethane (EDB)	A	5.00	4.36	0.5460525	0.4757951		-12.9	30
1,2-Dichlorobenzene	A	5.00	4.10	0.5533656	0.4532824		-18.1	30
1,3-Dichlorobenzene	A	5.00	4.19	0.6446225	0.5396214		-16.3	30
1,4-Dichlorobenzene	A	5.00	4.28	0.593266	0.5083131		-14.3	30
Dichlorodifluoromethane (Freon 12)	A	5.00	5.65	1.883984	2.130265		13.1	30
1,1-Dichloroethane	A	5.00	4.37	1.346209	1.176031		-12.6	30
1,2-Dichloroethane	A	5.00	4.92	0.9859284	0.9699171		-1.6	30
1,1-Dichloroethylene	A	5.00	5.15	1.099842	1.13223		2.9	30
cis-1,2-Dichloroethylene	A	5.00	4.82	0.8418185	0.8110777		-3.7	30
trans-1,2-Dichloroethylene	A	5.00	4.70	0.9140014	0.8583779		-6.1	30
1,2-Dichloropropane	A	5.00	3.67	0.2819467	0.2071183		-26.5	30
cis-1,3-Dichloropropene	A	5.00	4.54	0.3748223	0.3403915		-9.2	30
trans-1,3-Dichloropropene	A	5.00	4.56	0.3349989	0.3058648		-8.7	30
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 1	A	5.00	5.09	1.887877	1.921735		1.8	30
1,4-Dioxane	A	5.00	4.81	0.1293352	0.1243809		-3.8	30
Ethanol	A	5.00	3.98	0.2262248	0.1798379		-20.5	30
Ethyl Acetate	A	5.00	4.41	0.2082657	0.1838018		-11.7	30
Ethylbenzene	A	5.00	5.49	1.036502	1.138046		9.8	30
4-Ethyltoluene	A	5.00	5.21	1.10029	1.146642		4.2	30
Heptane	A	5.00	4.14	0.204423	0.1690658		-17.3	30
Hexachlorobutadiene	A	5.00	2.96	0.4702012	0.2786343		-40.7	30 *
Hexane	A	5.00	4.40	0.8402901	0.7221429		-11.9	30

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CONTINUING CALIBRATION CHECK

EPA TO-15

S073366-CCV1

COMPOUND	TYPE	CONC. (ppbv)		RESPONSE FACTOR			% DIFF / DRIFT		
		STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2-Hexanone (MBK)	A	5.00	3.91	0.5190239	0.4060301		-21.8	30	
Isopropanol	A	5.00	4.11	1.331902	1.094181		-17.8	30	
Methyl tert-Butyl Ether (MTBE)	A	5.00	5.73	1.485856	1.703791		14.7	30	
Methylene Chloride	A	5.00	4.44	0.8718752	0.7745109		-11.2	30	
4-Methyl-2-pentanone (MIBK)	A	5.00	3.90	0.5280853	0.4116712		-22.0	30	
Naphthalene	A	5.00	3.09	0.8097238	0.4998175		-38.3	30	*
Propene	A	5.00	3.81	0.6694116	0.510304		-23.8	30	
Styrene	A	5.00	5.11	0.6161769	0.629842		2.2	30	
1,1,2,2-Tetrachloroethane	A	5.00	3.80	0.8728764	0.6630457		-24.0	30	
Tetrachloroethylene	A	5.00	4.19	0.4248838	0.3559978		-16.2	30	
Tetrahydrofuran	A	5.00	5.38	0.2426183	0.2613146		7.7	30	
Toluene	A	5.00	5.27	0.8496792	0.8953085		5.4	30	
1,2,4-Trichlorobenzene	A	5.00	3.19	0.3770874	0.2408833		-36.1	30	*
1,1,1-Trichloroethane	A	5.00	4.22	0.5826866	0.4915936		-15.6	30	
1,1,2-Trichloroethane	A	5.00	4.10	0.3885097	0.3187176		-18.0	30	
Trichloroethylene	A	5.00	4.62	0.336337	0.3105244		-7.7	30	
Trichlorofluoromethane (Freon 11)	A	5.00	5.21	1.696458	1.76774		4.2	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113	A	5.00	4.96	1.596114	1.582448		-0.9	30	
1,2,4-Trimethylbenzene	A	5.00	5.07	0.8998802	0.9131283		1.5	30	
1,3,5-Trimethylbenzene	A	5.00	5.11	0.9666427	0.988513		2.3	30	
Vinyl Acetate	A	5.00	4.25	1.605446	1.365621		-14.9	30	
Vinyl Chloride	A	5.00	4.25	0.7512303	0.6381077		-15.1	30	
m&p-Xylene	A	10.0	11.4	0.8167711	0.9313236		14.0	30	
o-Xylene	A	5.00	5.55	0.8322358	0.9230752		10.9	30	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Acetone	AIHA,NY,ME,NH
Benzene	AIHA,FL,NJ,NY,ME,NH,VA
Benzyl chloride	AIHA,FL,NJ,NY,ME,NH,VA
Bromodichloromethane	AIHA,NJ,NY,ME,NH,VA
Bromoform	AIHA,NJ,NY,ME,NH,VA
Bromomethane	AIHA,FL,NJ,NY,ME,NH
1,3-Butadiene	AIHA,NJ,NY,ME,NH,VA
2-Butanone (MEK)	AIHA,FL,NJ,NY,ME,NH,VA
Carbon Disulfide	AIHA,NJ,NY,ME,NH,VA
Carbon Tetrachloride	AIHA,FL,NJ,NY,ME,NH,VA
Chlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Chloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Chloroform	AIHA,FL,NJ,NY,ME,NH,VA
Chloromethane	AIHA,FL,NJ,NY,ME,NH,VA
Cyclohexane	AIHA,NJ,NY,ME,NH,VA
Dibromochloromethane	AIHA,NY,ME,NH
1,2-Dibromoethane (EDB)	AIHA,NJ,NY,ME,NH
1,2-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
1,3-Dichlorobenzene	AIHA,NJ,NY,ME,NH
1,4-Dichlorobenzene	AIHA,FL,NJ,NY,ME,NH,VA
Dichlorodifluoromethane (Freon 12)	AIHA,NY,ME,NH
1,1-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,2-Dichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1-Dichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,2-Dichloroethylene	AIHA,FL,NY,ME,NH,VA
trans-1,2-Dichloroethylene	AIHA,NJ,NY,ME,NH,VA
1,2-Dichloropropane	AIHA,FL,NJ,NY,ME,NH,VA
cis-1,3-Dichloropropene	AIHA,FL,NJ,NY,ME,NH,VA
trans-1,3-Dichloropropene	AIHA,NY,ME,NH
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	AIHA,NJ,NY,ME,NH,VA
1,4-Dioxane	AIHA,NJ,NY,ME,NH,VA
Ethanol	AIHA
Ethyl Acetate	AIHA
Ethylbenzene	AIHA,FL,NJ,NY,ME,NH,VA
4-Ethyltoluene	AIHA,NJ
Heptane	AIHA,NJ,NY,ME,NH,VA
Hexachlorobutadiene	AIHA,NJ,NY,ME,NH,VA
Hexane	AIHA,FL,NJ,NY,ME,NH,VA
2-Hexanone (MBK)	AIHA
Isopropanol	AIHA,NY,ME,NH
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,ME,NH,VA
Methylene Chloride	AIHA,FL,NJ,NY,ME,NH,VA
4-Methyl-2-pentanone (MIBK)	AIHA,FL,NJ,NY,ME,NH
Naphthalene	NY,ME,NH
Propene	AIHA
Styrene	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2,2-Tetrachloroethane	AIHA,FL,NJ,NY,ME,NH,VA

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA TO-15 in Air	
Tetrachloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Tetrahydrofuran	AIHA
Toluene	AIHA,FL,NJ,NY,ME,NH,VA
1,2,4-Trichlorobenzene	AIHA,NJ,NY,ME,NH,VA
1,1,1-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
1,1,2-Trichloroethane	AIHA,FL,NJ,NY,ME,NH,VA
Trichloroethylene	AIHA,FL,NJ,NY,ME,NH,VA
Trichlorofluoromethane (Freon 11)	AIHA,NY,ME,NH
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	AIHA,NJ,NY,ME,NH,VA
1,2,4-Trimethylbenzene	AIHA,NJ,NY,ME,NH
1,3,5-Trimethylbenzene	AIHA,NJ,NY,ME,NH
Vinyl Acetate	AIHA,FL,NJ,NY,ME,NH,VA
Vinyl Chloride	AIHA,FL,NJ,NY,ME,NH,VA
m&p-Xylene	AIHA,FL,NJ,NY,ME,NH,VA
o-Xylene	AIHA,FL,NJ,NY,ME,NH,VA

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2024
MA	Massachusetts DEP	M-MA100	06/30/2023
CT	Connecticut Department of Publilc Health	PH-0165	12/31/2022
NY	New York State Department of Health	10899 NELAP	04/1/2023
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
RI	Rhode Island Department of Health	LAO00373	12/30/2022
NC	North Carolina Div. of Water Quality	652	12/31/2022
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
FL	Florida Department of Health	E871027 NELAP	06/30/2023
VT	Vermont Department of Health Lead Laboratory	LL720741	07/30/2023
ME	State of Maine	MA00100	06/9/2023
VA	Commonwealth of Virginia	460217	12/14/2022
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2022
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
NC-DW	North Carolina Department of Health	25703	07/31/2022
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023
MI	Dept. of Env, Great Lakes, and Energy	9100	09/6/2022

22F1705

Internal Transfer Chain of Custody

Pace Analytical®
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☐ Samples Pre-Logged into eCOC.

State Of Origin: NY
Cert. Needed: ☒ Yes ☐ No
Owner Received Date: 6/21/2022 Results Requested By: 7/6/2022

Workorder: 70219215 **Workorder Name:** MINMILT/MIN1001 6/21

Report To	Subcontract To
Giovanna F. Deloca Pace Analytical Melville 575 Broad Hollow Road Melville, NY 11747 Phone (631)694-3040	Pace New England 39 Spruce St. East Longmeadow, MA 01028 Phone (413)525-2332

Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers: Other	Requested Analysis: TO-15	LAB USE ONLY
1	SVE-INF	PS	6/21/2022 11:00	70219215001	Air	1	X	1
2								
3								
4								
5								

Transfers	Released By	Date/Time	Received By	Date/Time
1	Pace LT	6/23/22 1845		6/21/22
2				
3				

Comments

Cooler Temperature on Receipt ___ °C | Custody Seal Y or N | Received on Ice Y or N | Samples Intact Y or

***In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.
This chain of custody is considered complete as is since this information is available in the owner laboratory.

Pace Analytical®

Phone: 413-525-2332
Fax: 413-525-6405
www.pacelabs.com

CHAIN OF CUSTODY RECORD (AIR)

39 Spruce Street
East Longmeadow, MA 01028

Company Name: PW Grosser Consulting
Address: 630 Johnson Ave, Bohemia, NY
Phone: 631-589-6353
PO#/Billing Info: MinMit / MIN1001
Project Location: 540 Smith St, Farmingdale, NY
Project Number: MIN1001
Project Manager: Kaitlyn Crosby
Pace Quote Name/Number:
Invoice Recipient: Same as Client
Sampled By: Kaitlyn Crosby

Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: Standard

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Lab Use	Client Use	Collection Data		Duration	Flow Rate	Matrix	Volume	TO-15				" Hg			Please fill out completely, sign, date and retain the yellow copy for your records	
Pace Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Total Minutes Sampled	☐ m³/min ☐ L/min	Code	☒ Liters ☐ m³					Initial Pressure	Final Pressure	Lab Receipt Pressure	Summa canisters and flow controllers must be returned within 15 days of receipt or rental fees will apply	For summa canister and flow controller information please refer to Con-Test's Air Media Agreement
															Summa Can ID	Flow Controller ID
	SVE-INF	✓	6-21-22 1100	1		SG	6	X				-29	-5		1323	7119

WO#: 70219215
70219215

Comments:

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Matrix Codes:
SG = SOIL GAS
IA = INDOOR AIR
AMB = AMBIENT
SS = SUB SLAB
D = DUP
BL = BLANK
O = Other_____

Relinquished by: (signature)	Date/Time:
PWGC	6-21-22 1114
Received by: (signature)	Date/Time:
	6/21/22 11:15
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Data Deliverable Requirements
NJ
NY
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ Other

Pace Analytical®
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Table of Contents

FedEx® Tracking

584490592489

ADD NICKNAME

Delivered
Friday, 6/24/2022 at 10:12 am

DELIVERED

Signed for by: R.PETRAITIS

GET STATUS UPDATES

OBTAIN PROOF OF DELIVERY

FROM	TO
MELVILLE, NY US	EAST LONGMEADOW, MA US

MANAGE DELIVERY

Travel History

TIME ZONE
Local Scan Time

Friday, June 24, 2022		
10:12 AM	EAST LONGMEADOW, MA	Delivered
7:46 AM	WINDSOR LOCKS, CT	On FedEx vehicle for delivery
7:38 AM	WINDSOR LOCKS, CT	At local FedEx facility
3:09 AM	NEWARK, NJ	Departed FedEx hub
Thursday, June 23, 2022		
10:03 PM	NEWARK, NJ	Departed FedEx hub
9:58 PM	NEWARK, NJ	Arrived at FedEx hub
8:42 PM	MELVILLE, NY	Left FedEx origin facility

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 278 Rev 6 2017

Air Media Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Pace

Received By LR Date 6/24 Time 1012

How were the samples received? In Cooler ____ On Ice ____ No Ice ____ In Box T Ambient ____ Melted Ice ____

Were samples within Temperature Compliance? 2-6°C ____ By Gun # ____ Actual Temp - ____ By Blank # ____ Actual Temp - ____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there any loose caps/valves on any samples? F

Is COC in ink/ Legible? T

Did COC Include all Pertinent Information? Client T Analysis T Sampler Name F Project T ID's T Collection Dates/Times T

Are Sample Labels filled out and legible? T

Are there Rushes? F Who was notified? ____

Samples are received within holding time? T

Proper Media Used? T Individually Certified Cans? F

Are there Trip Blanks? F Is there enough Volume? T

Containers:	#	Size	Regulator	Duration	Accessories:			
Summa Cans	1	6L	1	Grab	Nut/Ferrule		IC Train	
Tedlar Bags					Tubing			
TO-17 Tubes					T-Connector		Shipping Charges	
Radiello					Syringe			
Pufs/TO-11s					Tedlar			

Can #'s					Reg #'s				
1323					7119				
Unused Media					**Pufs/TO-17's**				

Comments:

Lab pressure -5.2