



April 19, 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 First 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 first 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 first quarter of 2022, PWGC collected monthly influent and effluent water samples from the groundwater treatment 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



cc w/encl.: R. Cole

Attachment A Lab Data Packages

February 01, 2022

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

RE: Project: MIN1001/MINMILT 1/18
Pace Project No.: 70201117

Dear Kaitlyn Crosby:

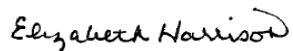
Enclosed are the analytical results for sample(s) received by the laboratory on January 18, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

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

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: SYS - EFF		Lab ID: 70201117001		Collected: 01/18/22 11:30		Received: 01/18/22 13:16		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	10600	ug/L	100	1	01/25/22 10:58	01/26/22 13:08	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		01/20/22 21:05	71-55-6	IC	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/20/22 21:05	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/20/22 21:05	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/20/22 21:05	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/20/22 21:05	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/20/22 21:05	107-06-2		
1,2-Dichloroethene (Total)	22.3	ug/L	2.0	1		01/20/22 21:05	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/20/22 21:05	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/20/22 21:05	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/20/22 21:05	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/20/22 21:05	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/20/22 21:05	67-64-1		
Benzene	<0.70	ug/L	0.70	1		01/20/22 21:05	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/20/22 21:05	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/20/22 21:05	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/20/22 21:05	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/20/22 21:05	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/20/22 21:05	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/20/22 21:05	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/20/22 21:05	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/20/22 21:05	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/20/22 21:05	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/20/22 21:05	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		01/20/22 21:05	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/20/22 21:05	75-09-2		
Styrene	<1.0	ug/L	1.0	1		01/20/22 21:05	100-42-5		
Tetrachloroethene	24.7	ug/L	1.0	1		01/20/22 21:05	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/20/22 21:05	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		01/20/22 21:05	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		01/20/22 21:05	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		01/20/22 21:05	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/20/22 21:05	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/20/22 21:05	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	81-122	1		01/20/22 21:05	17060-07-0		
4-Bromofluorobenzene (S)	94	%	79-118	1		01/20/22 21:05	460-00-4		
Toluene-d8 (S)	103	%	82-122	1		01/20/22 21:05	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.3	Std. Units	0.10	1		01/21/22 17:37		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: SYS - EFF		Lab ID: 70201117001		Collected: 01/18/22 11:30		Received: 01/18/22 13:16		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)	14.0	deg C	0.10	1		01/21/22 17:37		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	4.2	mg/L	1.0	1		01/19/22 18:35	7440-44-0		

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: SYS - INF		Lab ID: 70201117002		Collected: 01/18/22 11:40		Received: 01/18/22 13:16		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	13800	ug/L	100	1	01/25/22 10:58	01/26/22 13:10	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		01/20/22 20:28	71-55-6	IC	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/20/22 20:28	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/20/22 20:28	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/20/22 20:28	75-34-3		
1,1-Dichloroethene	3.0	ug/L	1.0	1		01/20/22 20:28	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/20/22 20:28	107-06-2		
1,2-Dichloroethene (Total)	1800	ug/L	40.0	20		01/20/22 20:47	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/20/22 20:28	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/20/22 20:28	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/20/22 20:28	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/20/22 20:28	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/20/22 20:28	67-64-1		
Benzene	<0.70	ug/L	0.70	1		01/20/22 20:28	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/20/22 20:28	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/20/22 20:28	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/20/22 20:28	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/20/22 20:28	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/20/22 20:28	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/20/22 20:28	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/20/22 20:28	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/20/22 20:28	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/20/22 20:28	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/20/22 20:28	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		01/20/22 20:28	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/20/22 20:28	75-09-2		
Styrene	<1.0	ug/L	1.0	1		01/20/22 20:28	100-42-5		
Tetrachloroethene	1030	ug/L	20.0	20		01/20/22 20:47	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/20/22 20:28	108-88-3		
Trichloroethene	183	ug/L	20.0	20		01/20/22 20:47	79-01-6		
Vinyl chloride	51.2	ug/L	1.0	1		01/20/22 20:28	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		01/20/22 20:28	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/20/22 20:28	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/20/22 20:28	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	81-122	1		01/20/22 20:28	17060-07-0		
4-Bromofluorobenzene (S)	94	%	79-118	1		01/20/22 20:28	460-00-4		
Toluene-d8 (S)	103	%	82-122	1		01/20/22 20:28	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	5.9	Std. Units	0.10	1		01/21/22 17:37		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: SYS - INF		Lab ID: 70201117002		Collected: 01/18/22 11:40		Received: 01/18/22 13:16		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)	13.1	deg C	0.10	1		01/21/22 17:37		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	4.4	mg/L	1.0	1		01/19/22 18:58	7440-44-0		

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: MAG		Lab ID: 70201117003		Collected: 01/18/22 11:50		Received: 01/18/22 13:16		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	5710	ug/L	100	1	01/25/22 10:58	01/26/22 13:18	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		01/21/22 01:46	71-55-6	IC		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/21/22 01:46	79-34-5			
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/21/22 01:46	79-00-5			
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/21/22 01:46	75-34-3			
1,1-Dichloroethene	1.7	ug/L	1.0	1		01/21/22 01:46	75-35-4			
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/21/22 01:46	107-06-2			
1,2-Dichloroethene (Total)	987	ug/L	40.0	20		01/25/22 20:41	540-59-0			
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/21/22 01:46	78-87-5			
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/21/22 01:46	78-93-3			
2-Hexanone	<5.0	ug/L	5.0	1		01/21/22 01:46	591-78-6			
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/21/22 01:46	108-10-1			
Acetone	<5.0	ug/L	5.0	1		01/21/22 01:46	67-64-1			
Benzene	<0.70	ug/L	0.70	1		01/21/22 01:46	71-43-2			
Bromodichloromethane	<1.0	ug/L	1.0	1		01/21/22 01:46	75-27-4			
Bromoform	<1.0	ug/L	1.0	1		01/21/22 01:46	75-25-2			
Bromomethane	<1.0	ug/L	1.0	1		01/21/22 01:46	74-83-9			
Carbon disulfide	<1.0	ug/L	1.0	1		01/21/22 01:46	75-15-0			
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/21/22 01:46	56-23-5			
Chlorobenzene	<1.0	ug/L	1.0	1		01/21/22 01:46	108-90-7			
Chloroethane	<1.0	ug/L	1.0	1		01/21/22 01:46	75-00-3			
Chloroform	<1.0	ug/L	1.0	1		01/21/22 01:46	67-66-3			
Chloromethane	<1.0	ug/L	1.0	1		01/21/22 01:46	74-87-3			
Dibromochloromethane	<1.0	ug/L	1.0	1		01/21/22 01:46	124-48-1			
Ethylbenzene	<1.0	ug/L	1.0	1		01/21/22 01:46	100-41-4			
Methylene Chloride	<1.0	ug/L	1.0	1		01/21/22 01:46	75-09-2			
Styrene	<1.0	ug/L	1.0	1		01/21/22 01:46	100-42-5			
Tetrachloroethene	1730	ug/L	20.0	20		01/25/22 20:41	127-18-4			
Toluene	<1.0	ug/L	1.0	1		01/21/22 01:46	108-88-3			
Trichloroethene	72.3	ug/L	1.0	1		01/21/22 01:46	79-01-6			
Vinyl chloride	4.8	ug/L	1.0	1		01/21/22 01:46	75-01-4			
Xylene (Total)	<3.0	ug/L	3.0	1		01/21/22 01:46	1330-20-7			
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/21/22 01:46	10061-01-5			
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/21/22 01:46	10061-02-6			
Surrogates										
1,2-Dichloroethane-d4 (S)	93	%	81-122	1		01/21/22 01:46	17060-07-0			
4-Bromofluorobenzene (S)	94	%	79-118	1		01/21/22 01:46	460-00-4			
Toluene-d8 (S)	103	%	82-122	1		01/21/22 01:46	2037-26-5			
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville								
pH	5.8	Std. Units	0.10	1		01/21/22 17:38			H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: MAG		Lab ID: 70201117003		Collected: 01/18/22 11:50		Received: 01/18/22 13:16		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)	14.4	deg C	0.10	1		01/21/22 17:38		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	1.3	mg/L	1.0	1		01/20/22 19:20	7440-44-0		

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: UG		Lab ID: 70201117004		Collected: 01/18/22 12:00		Received: 01/18/22 13:16		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	24000	ug/L	100	1	01/25/22 10:58	01/26/22 13:21	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		01/21/22 02:05	71-55-6	IC	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/21/22 02:05	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/21/22 02:05	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/21/22 02:05	75-34-3		
1,1-Dichloroethene	4.5	ug/L	1.0	1		01/21/22 02:05	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/21/22 02:05	107-06-2		
1,2-Dichloroethene (Total)	2780	ug/L	40.0	20		01/25/22 21:00	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/21/22 02:05	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/21/22 02:05	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/21/22 02:05	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/21/22 02:05	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/21/22 02:05	67-64-1		
Benzene	<0.70	ug/L	0.70	1		01/21/22 02:05	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/21/22 02:05	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/21/22 02:05	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/21/22 02:05	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		01/21/22 02:05	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/21/22 02:05	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/21/22 02:05	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/21/22 02:05	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		01/21/22 02:05	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/21/22 02:05	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/21/22 02:05	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		01/21/22 02:05	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/21/22 02:05	75-09-2		
Styrene	<1.0	ug/L	1.0	1		01/21/22 02:05	100-42-5		
Tetrachloroethene	1040	ug/L	20.0	20		01/25/22 21:00	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/21/22 02:05	108-88-3		
Trichloroethene	354	ug/L	20.0	20		01/25/22 21:00	79-01-6		
Vinyl chloride	100	ug/L	1.0	1		01/21/22 02:05	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		01/21/22 02:05	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/21/22 02:05	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/21/22 02:05	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	99	%	81-122	1		01/21/22 02:05	17060-07-0		
4-Bromofluorobenzene (S)	93	%	79-118	1		01/21/22 02:05	460-00-4		
Toluene-d8 (S)	103	%	82-122	1		01/21/22 02:05	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	5.8	Std. Units	0.10	1		01/21/22 17:38		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Sample: UG		Lab ID: 70201117004		Collected: 01/18/22 12:00		Received: 01/18/22 13:16		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)	14.4	deg C	0.10	1		01/21/22 17:38		H3,H6	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	8.2	mg/L	1.0	1		01/20/22 19:33	7440-44-0		

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

QC Batch: 241833

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: 70201117001, 70201117002, 70201117003, 70201117004

METHOD BLANK: 1222122

Matrix: Water

Associated Lab Samples: 70201117001, 70201117002, 70201117003, 70201117004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/26/22 12:30	

LABORATORY CONTROL SAMPLE: 1222123

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12600	101	85-115	

MATRIX SPIKE SAMPLE: 1222125

Parameter	Units	70200869001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	12500	11700	93	70-130	

MATRIX SPIKE SAMPLE: 1222128

Parameter	Units	30459116001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	70.9J	12500	12200	97	70-130	

SAMPLE DUPLICATE: 1222124

Parameter	Units	70200869001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 1222127

Parameter	Units	30459116001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	70.9J	<100		

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

QC Batch:	241454	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70201117001, 70201117002, 70201117003, 70201117004

METHOD BLANK: 1220111

Matrix: Water

Associated Lab Samples: 70201117001, 70201117002, 70201117003, 70201117004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/20/22 19:21	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/20/22 19:21	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/20/22 19:21	IC
1,1-Dichloroethane	ug/L	<1.0	1.0	01/20/22 19:21	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/20/22 19:21	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/20/22 19:21	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/20/22 19:21	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/20/22 19:21	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/20/22 19:21	
2-Hexanone	ug/L	<5.0	5.0	01/20/22 19:21	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/20/22 19:21	
Acetone	ug/L	<5.0	5.0	01/20/22 19:21	
Benzene	ug/L	<0.70	0.70	01/20/22 19:21	
Bromodichloromethane	ug/L	<1.0	1.0	01/20/22 19:21	
Bromoform	ug/L	<1.0	1.0	01/20/22 19:21	
Bromomethane	ug/L	<1.0	1.0	01/20/22 19:21	
Carbon disulfide	ug/L	<1.0	1.0	01/20/22 19:21	
Carbon tetrachloride	ug/L	<1.0	1.0	01/20/22 19:21	
Chlorobenzene	ug/L	<1.0	1.0	01/20/22 19:21	
Chloroethane	ug/L	<1.0	1.0	01/20/22 19:21	
Chloroform	ug/L	<1.0	1.0	01/20/22 19:21	
Chloromethane	ug/L	<1.0	1.0	01/20/22 19:21	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/20/22 19:21	
Dibromochloromethane	ug/L	<1.0	1.0	01/20/22 19:21	
Ethylbenzene	ug/L	<1.0	1.0	01/20/22 19:21	
Methylene Chloride	ug/L	<1.0	1.0	01/20/22 19:21	
Styrene	ug/L	<1.0	1.0	01/20/22 19:21	
Tetrachloroethene	ug/L	<1.0	1.0	01/20/22 19:21	
Toluene	ug/L	<1.0	1.0	01/20/22 19:21	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/20/22 19:21	
Trichloroethene	ug/L	<1.0	1.0	01/20/22 19:21	
Vinyl chloride	ug/L	<1.0	1.0	01/20/22 19:21	
Xylene (Total)	ug/L	<3.0	3.0	01/20/22 19:21	
1,2-Dichloroethane-d4 (S)	%	103	81-122	01/20/22 19:21	
4-Bromofluorobenzene (S)	%	96	79-118	01/20/22 19:21	
Toluene-d8 (S)	%	101	82-122	01/20/22 19:21	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

LABORATORY CONTROL SAMPLE: 1220112

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	39.5	79	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	48.2	96	70-127	
1,1,2-Trichloroethane	ug/L	50	45.6	91	81-119	IC
1,1-Dichloroethane	ug/L	50	46.3	93	72-126	
1,1-Dichloroethene	ug/L	50	47.2	94	66-133	
1,2-Dichloroethane	ug/L	50	50.7	101	69-134	
1,2-Dichloroethene (Total)	ug/L	100	93.6	94	69-123	
1,2-Dichloropropane	ug/L	50	44.5	89	75-125	
2-Butanone (MEK)	ug/L	50	38.3	77	33-165	
2-Hexanone	ug/L	50	52.4	105	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	50.0	100	62-131	
Acetone	ug/L	50	45.3	91	14-156	IH
Benzene	ug/L	50	45.1	90	78-117	
Bromodichloromethane	ug/L	50	45.6	91	80-123	
Bromoform	ug/L	50	43.3	87	49-138	
Bromomethane	ug/L	50	44.9	90	10-143	
Carbon disulfide	ug/L	50	43.9	88	66-133	
Carbon tetrachloride	ug/L	50	39.4	79	64-135	
Chlorobenzene	ug/L	50	44.8	90	79-117	
Chloroethane	ug/L	50	43.3	87	31-156	
Chloroform	ug/L	50	47.6	95	79-123	
Chloromethane	ug/L	50	47.4	95	39-116	
cis-1,3-Dichloropropene	ug/L	50	47.6	95	78-131	
Dibromochloromethane	ug/L	50	47.7	95	65-123	
Ethylbenzene	ug/L	50	47.7	95	79-115	
Methylene Chloride	ug/L	50	46.0	92	67-123	
Styrene	ug/L	50	50.7	101	82-121	
Tetrachloroethene	ug/L	50	56.8	114	65-120	
Toluene	ug/L	50	46.5	93	80-114	
trans-1,3-Dichloropropene	ug/L	50	48.4	97	73-135	
Trichloroethene	ug/L	50	42.8	86	79-115	
Vinyl chloride	ug/L	50	45.8	92	49-118	
Xylene (Total)	ug/L	150	150	100	80-118	
1,2-Dichloroethane-d4 (S)	%			99	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			102	82-122	

MATRIX SPIKE SAMPLE: 1224793

Parameter	Units	70201058002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	50	45.9	92	72-123	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	45.7	91	64-133	
1,1,2-Trichloroethane	ug/L	<1.0	50	46.8	94	78-120	IC
1,1-Dichloroethane	ug/L	<1.0	50	50.1	100	70-124	
1,1-Dichloroethene	ug/L	<1.0	50	55.3	111	61-139	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

MATRIX SPIKE SAMPLE: 1224793		70201058002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,2-Dichloroethane	ug/L	<1.0	50	51.7	103	58-138	
1,2-Dichloroethene (Total)	ug/L	<2.0	100	104	104	59-133	
1,2-Dichloropropane	ug/L	<1.0	50	48.2	96	74-122	
2-Butanone (MEK)	ug/L	<5.0	50	31.1	62	33-148	
2-Hexanone	ug/L	<5.0	50	44.0	88	49-124	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	47.9	96	60-136	
Acetone	ug/L	<5.0	50	31.8	64	35-112	IH
Benzene	ug/L	<0.70	50	49.3	99	70-130	
Bromodichloromethane	ug/L	<1.0	50	47.3	95	74-122	
Bromoform	ug/L	<1.0	50	41.3	83	39-139	
Bromomethane	ug/L	<1.0	50	50.3	101	10-130	
Carbon disulfide	ug/L	<1.0	50	50.9	102	60-129	
Carbon tetrachloride	ug/L	<1.0	50	45.4	91	56-143	
Chlorobenzene	ug/L	<1.0	50	48.1	96	74-122	
Chloroethane	ug/L	<1.0	50	50.5	101	35-146	
Chloroform	ug/L	<1.0	50	51.1	102	71-129	
Chloromethane	ug/L	<1.0	50	52.0	104	29-112	
cis-1,3-Dichloropropene	ug/L	<1.0	50	48.8	98	67-130	
Dibromochloromethane	ug/L	<1.0	50	49.2	98	55-126	
Ethylbenzene	ug/L	<1.0	50	53.2	106	70-126	
Methylene Chloride	ug/L	<1.0	50	48.6	97	69-117	
Styrene	ug/L	<1.0	50	50.4	101	79-123	
Tetrachloroethene	ug/L	<1.0	50	47.8	96	64-124	
Toluene	ug/L	<1.0	50	50.3	101	76-123	
trans-1,3-Dichloropropene	ug/L	<1.0	50	48.6	97	61-130	
Trichloroethene	ug/L	<1.0	50	47.7	95	73-125	
Vinyl chloride	ug/L	<1.0	50	54.8	110	33-127	
Xylene (Total)	ug/L	<3.0	150	157	104	78-123	
1,2-Dichloroethane-d4 (S)	%				102	81-122	
4-Bromofluorobenzene (S)	%				95	79-118	
Toluene-d8 (S)	%				102	82-122	

SAMPLE DUPLICATE: 1224792

Parameter	Units	70201058001	Dup	RPD	Qualifiers
		Result	Result		
1,1,1-Trichloroethane	ug/L	<1.0	<1.0		
1,1,2,2-Tetrachloroethane	ug/L	<1.0	<1.0		
1,1,2-Trichloroethane	ug/L	<1.0	<1.0		IC
1,1-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	<2.0	<2.0		
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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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

SAMPLE DUPLICATE: 1224792

Parameter	Units	70201058001 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		
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	<1.0	<1.0		
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)	%	106	99		
4-Bromofluorobenzene (S)	%	96	90		
Toluene-d8 (S)	%	101	102		

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

QC Batch:	241555	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70201117001, 70201117002, 70201117003, 70201117004

SAMPLE DUPLICATE: 1220453

Parameter	Units	70200920001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	6.1	6.2		0 H3,H6,N3
Temperature, Water (C)	deg C	14.1	14.2		1 H3,H6

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

QC Batch: 241100

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70201117001, 70201117002

METHOD BLANK: 1218513

Matrix: Water

Associated Lab Samples: 70201117001, 70201117002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/19/22 14:09	

LABORATORY CONTROL SAMPLE: 1218514

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: 1218567

Parameter	Units	70201058001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	1.3	10	11.1	98	75-125	

SAMPLE DUPLICATE: 1218566

Parameter	Units	70201058001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	1.3	1.4	5	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

QC Batch: 241324

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70201117003, 70201117004

METHOD BLANK: 1219488

Matrix: Water

Associated Lab Samples: 70201117003, 70201117004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	01/20/22 16:44	

LABORATORY CONTROL SAMPLE: 1219489

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: 1219491

Parameter	Units	70201120009 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<340 ppb	10	9.4	93	75-125	

SAMPLE DUPLICATE: 1219490

Parameter	Units	70201120009 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<340 ppb	<1.0		

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QUALIFIERS

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

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.

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

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

N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 1/18

Pace Project No.: 70201117

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70201117001	SYS - EFF	EPA 200.7	241833	EPA 200.7	241899
70201117002	SYS - INF	EPA 200.7	241833	EPA 200.7	241899
70201117003	MAG	EPA 200.7	241833	EPA 200.7	241899
70201117004	UG	EPA 200.7	241833	EPA 200.7	241899
70201117001	SYS - EFF	EPA 8260C/5030C	241454		
70201117002	SYS - INF	EPA 8260C/5030C	241454		
70201117003	MAG	EPA 8260C/5030C	241454		
70201117004	UG	EPA 8260C/5030C	241454		
70201117001	SYS - EFF	SM22 4500-H+B	241555		
70201117002	SYS - INF	SM22 4500-H+B	241555		
70201117003	MAG	SM22 4500-H+B	241555		
70201117004	UG	SM22 4500-H+B	241555		
70201117001	SYS - EFF	SM22 5310B	241100		
70201117002	SYS - INF	SM22 5310B	241100		
70201117003	MAG	SM22 5310B	241324		
70201117004	UG	SM22 5310B	241324		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

Company: PWGC		Billing Information:					
Address: 630 Johnson Ave, Bohemia, NY		Email To: Kaitlyn Crosby					
Report To: Kaitlyn Crosby		Site Collection Info/Address: 540 Smith Street					
Copy To:		State: NY County/City: Farmingdale Time Zone Collected: JPT ☐ JMT ☐ JCT ☐ ET					
Customer Project Name/Number: MTN1001 / Min Mill		Compliance Monitoring? ☐ Yes ☐ No					
Phone: 631-589-6353		DW PWS ID #: _____					
Email: Kaitlyn.Crosby@pwgcsr.com		DW Location Code: _____					
Collected By (print): Kaitlyn Crosby		Immediately Packed on Ice: ☒ Yes ☐ No					
Collected By (signature): <i>[Signature]</i>		Field Filtered (if applicable): ☐ Yes ☐ No					
Sample Disposal: ☒ Dispose as appropriate		Analysis: _____					
☐ Return							
☐ Archive: _____							
☐ Hold: _____							
* 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 (AP), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)							
Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start) Date	Composite End Date	Time	Res Cl	# of Ctns
SYS-EFF	GW	Grab	1-18-22	1130			6
SYS-INF				1140			
MAG				1150			
UG				1200			
Customer Remarks / Special Conditions / Possible Hazards:							
Type of Ice Used: Wet Blue Dry None							
Packing Material Used: Bubble							
Radchem sample(s) screened (<500 cpm): Y N NA							
Relinquished by/Company: (Signature) <i>[Signature]</i>		Date/Time: 1-18-22 1316		Received by/Company: (Signature) <i>[Signature]</i>		Date/Time: 1-18-22 1316	
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:	
Relinquished by/Company: (Signature)		Date/Time:		Received by/Company: (Signature)		Date/Time:	

LAB USE OF

WO#: 70201117



70201117

A

Conte

3 1 0

** 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

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
TSDA Regulated Soils Y N NA
Samples in Holding Time Y N NA
Residual Chlorine Present Y N NA
Cl Strips: Y N NA
Sample pH Acceptable Y N NA
pH Strips: **AC55908** Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: _____
LAB USE ONLY:
Lab Sample # / Comments:

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: **114041**
Cooler 1 Temp Upon Receipt: **0.4** °C
Cooler 1 Therm Corr. Factor: **0.4** °C
Cooler 1 Corrected Temp: **0.4** °C
Comments:

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

Lab Tracking #:

Samples received via:

FEDEX UPS Courier Pace Courier

Date/Time: **1-18-22 1316**

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

MTIL LAB USE ONLY

Table #:

Acctnum:

Template:

Prelogin:

PM:

PB:

Received by/Company: (Signature)

Received by/Company: (Signature)

Received by/Company: (Signature)

Received by/Company: (Signature)

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March 03, 2022

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

RE: Project: MIN1001/MINMILT 2/17
Pace Project No.: 70204626

Dear Kaitlyn Crosby:

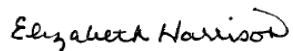
Enclosed are the analytical results for sample(s) received by the laboratory on February 17, 2022. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise 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,



Elizabeth Harrison
betty.harrison@pacelabs.com
(631)694-3040
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

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

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: SYS-EFF		Lab ID: 70204626001		Collected: 02/17/22 11:45		Received: 02/17/22 12:47		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	21000	ug/L	100	1	02/24/22 08:55	03/03/22 13:49	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		02/23/22 16:00	71-55-6	IC	
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/23/22 16:00	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/23/22 16:00	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 16:00	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		02/23/22 16:00	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 16:00	107-06-2		
1,2-Dichloroethene (Total)	26.2	ug/L	2.0	1		02/23/22 16:00	540-59-0	v3	
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/23/22 16:00	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		02/23/22 16:00	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		02/23/22 16:00	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		02/23/22 16:00	108-10-1		
Acetone	<5.0	ug/L	5.0	1		02/23/22 16:00	67-64-1		
Benzene	<0.70	ug/L	0.70	1		02/23/22 16:00	71-43-2	IC	
Bromodichloromethane	<1.0	ug/L	1.0	1		02/23/22 16:00	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		02/23/22 16:00	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		02/23/22 16:00	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		02/23/22 16:00	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/23/22 16:00	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		02/23/22 16:00	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		02/23/22 16:00	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		02/23/22 16:00	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/23/22 16:00	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/23/22 16:00	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		02/23/22 16:00	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		02/23/22 16:00	75-09-2		
Styrene	<1.0	ug/L	1.0	1		02/23/22 16:00	100-42-5		
Tetrachloroethene	23.3	ug/L	1.0	1		02/23/22 16:00	127-18-4		
Toluene	<1.0	ug/L	1.0	1		02/23/22 16:00	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		02/23/22 16:00	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		02/23/22 16:00	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		02/23/22 16:00	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 16:00	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 16:00	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		02/23/22 16:00	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-118	1		02/23/22 16:00	460-00-4		
Toluene-d8 (S)	100	%	82-122	1		02/23/22 16:00	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.7	Std. Units	0.10	1		02/18/22 15:56		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: SYS-EFF		Lab ID: 70204626001		Collected: 02/17/22 11:45		Received: 02/17/22 12:47		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)	11.1	deg C	0.10	1		02/18/22 15:56		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	4.9	mg/L	1.0	1		02/21/22 19:04	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: SYS-INF		Lab ID: 70204626002		Collected: 02/17/22 11:50		Received: 02/17/22 12:47		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	02/24/22 08:55	03/03/22 13:51	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		02/23/22 13:30	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/23/22 13:30	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/23/22 13:30	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 13:30	75-34-3		
1,1-Dichloroethene	2.7	ug/L	1.0	1		02/23/22 13:30	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 13:30	107-06-2		
1,2-Dichloroethene (Total)	1960	ug/L	50.0	25		02/23/22 13:56	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/23/22 13:30	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		02/23/22 13:30	78-93-3	v3	
2-Hexanone	<5.0	ug/L	5.0	1		02/23/22 13:30	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		02/23/22 13:30	108-10-1		
Acetone	<5.0	ug/L	5.0	1		02/23/22 13:30	67-64-1		
Benzene	<0.70	ug/L	0.70	1		02/23/22 13:30	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		02/23/22 13:30	75-27-4	IC	
Bromoform	<1.0	ug/L	1.0	1		02/23/22 13:30	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		02/23/22 13:30	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		02/23/22 13:30	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/23/22 13:30	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		02/23/22 13:30	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		02/23/22 13:30	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		02/23/22 13:30	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/23/22 13:30	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/23/22 13:30	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		02/23/22 13:30	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		02/23/22 13:30	75-09-2		
Styrene	<1.0	ug/L	1.0	1		02/23/22 13:30	100-42-5		
Tetrachloroethene	978	ug/L	25.0	25		02/23/22 13:56	127-18-4		
Toluene	<1.0	ug/L	1.0	1		02/23/22 13:30	108-88-3		
Trichloroethene	200	ug/L	1.0	1		02/23/22 13:30	79-01-6		
Vinyl chloride	59.4	ug/L	1.0	1		02/23/22 13:30	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		02/23/22 13:30	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 13:30	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 13:30	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	81-122	1		02/23/22 13:30	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-118	1		02/23/22 13:30	460-00-4		
Toluene-d8 (S)	100	%	82-122	1		02/23/22 13:30	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.4	Std. Units	0.10	1		02/18/22 15:58		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: SYS-INF		Lab ID: 70204626002		Collected: 02/17/22 11:50		Received: 02/17/22 12:47		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)	10.7	deg C	0.10	1		02/18/22 15:58		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	5.0	mg/L	1.0	1		02/21/22 19:16	7440-44-0		

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: MAG		Lab ID: 70204626003		Collected: 02/17/22 11:55		Received: 02/17/22 12:47		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	6620	ug/L	100	1	02/24/22 08:55	03/03/22 13:54	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		02/23/22 14:15	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/23/22 14:15	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/23/22 14:15	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 14:15	75-34-3		
1,1-Dichloroethene	1.8	ug/L	1.0	1		02/23/22 14:15	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 14:15	107-06-2		
1,2-Dichloroethene (Total)	1080	ug/L	40.0	20		02/23/22 14:55	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/23/22 14:15	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		02/23/22 14:15	78-93-3	v3	
2-Hexanone	<5.0	ug/L	5.0	1		02/23/22 14:15	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		02/23/22 14:15	108-10-1		
Acetone	<5.0	ug/L	5.0	1		02/23/22 14:15	67-64-1		
Benzene	<0.70	ug/L	0.70	1		02/23/22 14:15	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		02/23/22 14:15	75-27-4	IC	
Bromoform	<1.0	ug/L	1.0	1		02/23/22 14:15	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		02/23/22 14:15	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		02/23/22 14:15	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/23/22 14:15	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		02/23/22 14:15	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		02/23/22 14:15	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		02/23/22 14:15	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/23/22 14:15	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/23/22 14:15	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		02/23/22 14:15	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		02/23/22 14:15	75-09-2		
Styrene	<1.0	ug/L	1.0	1		02/23/22 14:15	100-42-5		
Tetrachloroethene	1080	ug/L	20.0	20		02/23/22 14:55	127-18-4		
Toluene	<1.0	ug/L	1.0	1		02/23/22 14:15	108-88-3		
Trichloroethene	69.6	ug/L	1.0	1		02/23/22 14:15	79-01-6		
Vinyl chloride	8.2	ug/L	1.0	1		02/23/22 14:15	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		02/23/22 14:15	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 14:15	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 14:15	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	90	%	81-122	1		02/23/22 14:15	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-118	1		02/23/22 14:15	460-00-4		
Toluene-d8 (S)	97	%	82-122	1		02/23/22 14:15	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.1	Std. Units	0.10	1		02/18/22 15:59		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: MAG		Lab ID: 70204626003		Collected: 02/17/22 11:55		Received: 02/17/22 12:47		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)	11.7	deg C	0.10	1		02/18/22 15:59		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B								
	Pace Analytical Services - Melville								
Total Organic Carbon	1.4	mg/L	1.0	1		02/21/22 19:28	7440-44-0		

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: UG		Lab ID: 70204626004		Collected: 02/17/22 12:00		Received: 02/17/22 12:47		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	27100	ug/L	100	1	02/24/22 08:55	03/03/22 13:56	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		02/23/22 15:14	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		02/23/22 15:14	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		02/23/22 15:14	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 15:14	75-34-3		
1,1-Dichloroethene	4.3	ug/L	1.0	1		02/23/22 15:14	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		02/23/22 15:14	107-06-2		
1,2-Dichloroethene (Total)	3080	ug/L	80.0	40		02/23/22 15:41	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		02/23/22 15:14	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		02/23/22 15:14	78-93-3	v3	
2-Hexanone	<5.0	ug/L	5.0	1		02/23/22 15:14	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		02/23/22 15:14	108-10-1		
Acetone	<5.0	ug/L	5.0	1		02/23/22 15:14	67-64-1		
Benzene	<0.70	ug/L	0.70	1		02/23/22 15:14	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		02/23/22 15:14	75-27-4	IC	
Bromoform	<1.0	ug/L	1.0	1		02/23/22 15:14	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		02/23/22 15:14	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		02/23/22 15:14	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		02/23/22 15:14	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		02/23/22 15:14	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		02/23/22 15:14	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		02/23/22 15:14	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		02/23/22 15:14	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		02/23/22 15:14	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		02/23/22 15:14	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		02/23/22 15:14	75-09-2		
Styrene	<1.0	ug/L	1.0	1		02/23/22 15:14	100-42-5		
Tetrachloroethene	689	ug/L	40.0	40		02/23/22 15:41	127-18-4		
Toluene	<1.0	ug/L	1.0	1		02/23/22 15:14	108-88-3		
Trichloroethene	319	ug/L	40.0	40		02/23/22 15:41	79-01-6		
Vinyl chloride	122	ug/L	1.0	1		02/23/22 15:14	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		02/23/22 15:14	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 15:14	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		02/23/22 15:14	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	91	%	81-122	1		02/23/22 15:14	17060-07-0		
4-Bromofluorobenzene (S)	98	%	79-118	1		02/23/22 15:14	460-00-4		
Toluene-d8 (S)	100	%	82-122	1		02/23/22 15:14	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		02/18/22 16:01		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Sample: UG		Lab ID: 70204626004		Collected: 02/17/22 12:00		Received: 02/17/22 12:47		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)	7.5	deg C	0.10	1		02/18/22 16:01		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	9.4	mg/L	1.0	1		02/21/22 19:41	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

QC Batch: 245733

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: 70204626001, 70204626002, 70204626003, 70204626004

METHOD BLANK: 1241708

Matrix: Water

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	03/03/22 13:25	

LABORATORY CONTROL SAMPLE: 1241709

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

MATRIX SPIKE SAMPLE: 1241711

Parameter	Units	70204532001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	5550	111	70-130	

MATRIX SPIKE SAMPLE: 1241713

Parameter	Units	70205006006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	220	5000	5710	110	70-130	

SAMPLE DUPLICATE: 1241710

Parameter	Units	70204532001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 1241712

Parameter	Units	70205006006 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	220	214	3	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

QC Batch:	245612	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

METHOD BLANK: 1240629 Matrix: Water

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	02/23/22 10:02	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	02/23/22 10:02	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	02/23/22 10:02	IC
1,1-Dichloroethane	ug/L	<1.0	1.0	02/23/22 10:02	
1,1-Dichloroethene	ug/L	<1.0	1.0	02/23/22 10:02	
1,2-Dichloroethane	ug/L	<1.0	1.0	02/23/22 10:02	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	02/23/22 10:02	
1,2-Dichloropropane	ug/L	<1.0	1.0	02/23/22 10:02	
2-Butanone (MEK)	ug/L	<5.0	5.0	02/23/22 10:02	v3
2-Hexanone	ug/L	<5.0	5.0	02/23/22 10:02	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	02/23/22 10:02	
Acetone	ug/L	<5.0	5.0	02/23/22 10:02	
Benzene	ug/L	<0.70	0.70	02/23/22 10:02	
Bromodichloromethane	ug/L	<1.0	1.0	02/23/22 10:02	IC
Bromoform	ug/L	<1.0	1.0	02/23/22 10:02	
Bromomethane	ug/L	<1.0	1.0	02/23/22 10:02	
Carbon disulfide	ug/L	<1.0	1.0	02/23/22 10:02	
Carbon tetrachloride	ug/L	<1.0	1.0	02/23/22 10:02	
Chlorobenzene	ug/L	<1.0	1.0	02/23/22 10:02	
Chloroethane	ug/L	<1.0	1.0	02/23/22 10:02	
Chloroform	ug/L	<1.0	1.0	02/23/22 10:02	
Chloromethane	ug/L	<1.0	1.0	02/23/22 10:02	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	02/23/22 10:02	
Dibromochloromethane	ug/L	<1.0	1.0	02/23/22 10:02	
Ethylbenzene	ug/L	<1.0	1.0	02/23/22 10:02	
Methylene Chloride	ug/L	<1.0	1.0	02/23/22 10:02	
Styrene	ug/L	<1.0	1.0	02/23/22 10:02	
Tetrachloroethene	ug/L	<1.0	1.0	02/23/22 10:02	
Toluene	ug/L	<1.0	1.0	02/23/22 10:02	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	02/23/22 10:02	
Trichloroethene	ug/L	<1.0	1.0	02/23/22 10:02	
Vinyl chloride	ug/L	<1.0	1.0	02/23/22 10:02	
Xylene (Total)	ug/L	<3.0	3.0	02/23/22 10:02	
1,2-Dichloroethane-d4 (S)	%	90	81-122	02/23/22 10:02	
4-Bromofluorobenzene (S)	%	98	79-118	02/23/22 10:02	
Toluene-d8 (S)	%	99	82-122	02/23/22 10:02	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

LABORATORY CONTROL SAMPLE: 1240630

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	40.5	81	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	45.2	90	70-127	
1,1,2-Trichloroethane	ug/L	50	45.7	91	81-119	IC
1,1-Dichloroethane	ug/L	50	45.0	90	72-126	
1,1-Dichloroethene	ug/L	50	46.1	92	66-133	
1,2-Dichloroethane	ug/L	50	45.3	91	69-134	
1,2-Dichloroethene (Total)	ug/L	100	98.0	98	69-123	
1,2-Dichloropropane	ug/L	50	42.9	86	75-125	
2-Butanone (MEK)	ug/L	50	38.1	76	33-165	v3
2-Hexanone	ug/L	50	42.6	85	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	38.2	76	62-131	
Acetone	ug/L	50	65.9	132	14-156	v1
Benzene	ug/L	50	44.2	88	78-117	
Bromodichloromethane	ug/L	50	43.0	86	80-123	IC
Bromoform	ug/L	50	37.9	76	49-138	
Bromomethane	ug/L	50	38.0	76	10-143	
Carbon disulfide	ug/L	50	41.0	82	66-133	
Carbon tetrachloride	ug/L	50	39.1	78	64-135	
Chlorobenzene	ug/L	50	44.1	88	79-117	
Chloroethane	ug/L	50	41.8	84	31-156	
Chloroform	ug/L	50	46.1	92	79-123	
Chloromethane	ug/L	50	32.7	65	39-116	
cis-1,3-Dichloropropene	ug/L	50	41.0	82	78-131	
Dibromochloromethane	ug/L	50	38.0	76	65-123	
Ethylbenzene	ug/L	50	43.4	87	79-115	
Methylene Chloride	ug/L	50	47.3	95	67-123	
Styrene	ug/L	50	41.8	84	82-121	
Tetrachloroethene	ug/L	50	41.2	82	65-120	
Toluene	ug/L	50	45.8	92	80-114	
trans-1,3-Dichloropropene	ug/L	50	38.2	76	73-135	
Trichloroethene	ug/L	50	45.1	90	79-115	
Vinyl chloride	ug/L	50	36.8	74	49-118	
Xylene (Total)	ug/L	150	133	89	80-118	
1,2-Dichloroethane-d4 (S)	%			90	81-122	
4-Bromofluorobenzene (S)	%			100	79-118	
Toluene-d8 (S)	%			100	82-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1240631 1240632

Parameter	Units	70204616001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,1,1-Trichloroethane	ug/L	<1.0	50	50	57.3	58.4	115	117	72-123	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	60.7	60.7	121	121	64-133	0	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	61.9	62.2	124	124	78-120	1	IC, M1
1,1-Dichloroethane	ug/L	<1.0	50	50	63.7	63.7	127	127	70-124	0	M1

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1240631 1240632											
Parameter	Units	70204616001		MS	MSD	MSD		MS	MSD	% Rec	Qual
		Result	Conc.	Spike	Spike	Result	Result	% Rec	% Rec	Limits	
1,1-Dichloroethene	ug/L	<1.0	50	50	50	64.8	63.0	130	126	61-139	3
1,2-Dichloroethane	ug/L	<1.0	50	50	50	63.6	62.3	127	125	58-138	2
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	100	137	135	137	135	59-133	1
1,2-Dichloropropane	ug/L	<1.0	50	50	50	59.1	60.1	118	120	74-122	2
2-Butanone (MEK)	ug/L	<5.0	50	50	50	56.9	56.1	114	112	33-148	1 v3
2-Hexanone	ug/L	<5.0	50	50	50	50.8	51.7	102	103	49-124	2
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	56.1	55.6	112	111	60-136	1
Acetone	ug/L	<5.0	50	50	50	52.1	48.9	104	98	35-112	6 v1
Benzene	ug/L	<1.0	50	50	50	63.9	64.4	128	129	70-130	1
Bromodichloromethane	ug/L	<1.0	50	50	50	57.6	58.4	115	117	74-122	2 IC
Bromoform	ug/L	<1.0	50	50	50	51.0	53.0	102	106	39-139	4
Bromomethane	ug/L	<1.0	50	50	50	41.8	50.1	84	100	10-130	18
Carbon disulfide	ug/L	<1.0	50	50	50	59.2	56.9	118	114	60-129	4
Carbon tetrachloride	ug/L	<1.0	50	50	50	55.7	56.9	111	114	56-143	2
Chlorobenzene	ug/L	<1.0	50	50	50	61.9	62.5	124	125	74-122	1 M1
Chloroethane	ug/L	<1.0	50	50	50	56.8	54.1	114	108	35-146	5
Chloroform	ug/L	<1.0	50	50	50	66.0	65.2	132	130	71-129	1 M1
Chloromethane	ug/L	<1.0	50	50	50	38.2	40.8	76	82	29-112	6
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	53.9	54.9	108	110	67-130	2
Dibromochloromethane	ug/L	<1.0	50	50	50	54.5	55.7	109	111	55-126	2
Ethylbenzene	ug/L	<1.0	50	50	50	64.7	65.5	129	131	70-126	1 M1
Methylene Chloride	ug/L	<1.0	50	50	50	66.1	64.1	132	128	69-117	3 M1
Styrene	ug/L	<1.0	50	50	50	62.9	62.9	126	126	79-123	0 M1
Tetrachloroethene	ug/L	<1.0	50	50	50	62.1	63.0	124	126	64-124	1 M1
Toluene	ug/L	<1.0	50	50	50	65.1	66.1	130	132	76-123	2 M1
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	50.4	51.4	101	103	61-130	2
Trichloroethene	ug/L	<1.0	50	50	50	64.6	64.4	129	129	73-125	0 M1
Vinyl chloride	ug/L	<1.0	50	50	50	49.8	48.4	100	97	33-127	3
Xylene (Total)	ug/L	<3.0	150	150	150	193	194	129	129	78-123	0 MS
1,2-Dichloroethane-d4 (S)	%							90	90	81-122	
4-Bromofluorobenzene (S)	%							104	103	79-118	
Toluene-d8 (S)	%							99	99	82-122	

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

QC Batch:	245180	Analysis Method:	SM22 4500-H+B
QC Batch Method:	SM22 4500-H+B	Analysis Description:	4500H+B pH
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

SAMPLE DUPLICATE: 1238545

Parameter	Units	70204460002 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.5	8.4		0 H3,H6,N3
Temperature, Water (C)	deg C	9.2	9.3		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

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QUALITY CONTROL DATA

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

QC Batch: 245260

Analysis Method: SM22 5310B

QC Batch Method: SM22 5310B

Analysis Description: 5310B TOC

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

METHOD BLANK: 1238929

Matrix: Water

Associated Lab Samples: 70204626001, 70204626002, 70204626003, 70204626004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	02/21/22 16:16	

LABORATORY CONTROL SAMPLE: 1238930

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	10	8.8	88	85-115	

MATRIX SPIKE SAMPLE: 1238932

Parameter	Units	70203568011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	0.40J	10	10.5	101	75-125	

SAMPLE DUPLICATE: 1238931

Parameter	Units	70203568011 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	0.40J	<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

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QUALIFIERS

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
M1	Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
MS	Analyte recovery in the matrix spike was outside QC limits for one or more of the constituent analytes used in the calculated result.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MIN1001/MINMILT 2/17

Pace Project No.: 70204626

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70204626001	SYS-EFF	EPA 200.7	245733	EPA 200.7	245848
70204626002	SYS-INF	EPA 200.7	245733	EPA 200.7	245848
70204626003	MAG	EPA 200.7	245733	EPA 200.7	245848
70204626004	UG	EPA 200.7	245733	EPA 200.7	245848
70204626001	SYS-EFF	EPA 8260C/5030C	245612		
70204626002	SYS-INF	EPA 8260C/5030C	245612		
70204626003	MAG	EPA 8260C/5030C	245612		
70204626004	UG	EPA 8260C/5030C	245612		
70204626001	SYS-EFF	SM22 4500-H+B	245180		
70204626002	SYS-INF	SM22 4500-H+B	245180		
70204626003	MAG	SM22 4500-H+B	245180		
70204626004	UG	SM22 4500-H+B	245180		
70204626001	SYS-EFF	SM22 5310B	245260		
70204626002	SYS-INF	SM22 5310B	245260		
70204626003	MAG	SM22 5310B	245260		
70204626004	UG	SM22 5310B	245260		

REPORT OF LABORATORY ANALYSIS

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CHAIN-OF-CUSTODY Analytical Request Document

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

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

Company: PWCrosser Consulting

Address: 630 Johnson Ave Bala, NY

Billing Information: Same as client

Report To: Kaitlyn Crosby

Email To: KCrosby@pwcrosser.com

Copy To:

Site Collection Info/Address: 540 Smith St, Farmingdale, NY

Customer Project Name/Number: MI N1001 / minM14

State: NY County/City: Farmingdale Time Zone Collected: EST

Phone: 631-389-6355

Site/Facility ID #: MI N1001

Compliance Monitoring? [] Yes [] No

Purchase Order #: Standard

Quote #: Standard

Turnaround Date Required: Standard

Rush: (Expedite Charges Apply) [] Yes [] No

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

Analysis: _____

Container Type: Plastic (P) or Glass (G) _____

Matrix * G-W

Comp / Grab Grab

Collected (or Composite Start) Date 2-17-22 Time 1145

Res Cl 6

Time 1150

Time 1155

Time 1200

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

Time _____

WO#: 70204626



70204626

Lab Sample Receipt Checklist:

or LAB USE ONLY

Project Manager: Emh

** 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

Analyses

Lab Sample Receipt Checklist:
Custody Seals Present/Intact Y N NA
Custody Signatures Present Y N NA
Collector Signatures 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: Y N NA
Sample pH Acceptable Y N NA
pH Strips: Y N NA
Sulfide Present Y N NA
Lead Acetate Strips: Y N NA

LAB USE ONLY:
Lab Sample # / Comments:

LAB Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: 18091
Cooler 1 Temp Upon Receipt: 23.0C
Cooler 1 Therm Corr. Factor: 0.0C
Cooler 1 Corrected Temp: 23.0C
Comments:

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

Lab Tracking #:

Samples received via:

FEDEX UPS Client Courier Pace Courier

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Date/Time: 2/17/22 12:47

Relinquished by/Company: (Signature) PWC

Relinquished by/Company: (Signature) PWC

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April 01, 2022

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

RE: Project: MINMILT/MIN1001 - 3/21
Pace Project No.: 70208119

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on March 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:

- 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



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

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

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: SYS-EFF		Lab ID: 70208119001		Collected: 03/21/22 11:00		Received: 03/21/22 15:07		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	11300	ug/L	100	1	03/23/22 10:35	03/24/22 21:57	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		03/29/22 22:50	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/22 22:50	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/22 22:50	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 22:50	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/22 22:50	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 22:50	107-06-2		
1,2-Dichloroethene (Total)	20.8	ug/L	2.0	1		03/29/22 22:50	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/22 22:50	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/22 22:50	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/22 22:50	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/22 22:50	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/22 22:50	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/22 22:50	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/22 22:50	75-27-4	L2	
Bromoform	<1.0	ug/L	1.0	1		03/29/22 22:50	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1		03/29/22 22:50	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/22 22:50	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/22 22:50	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/22 22:50	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/22 22:50	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/29/22 22:50	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/22 22:50	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/22 22:50	124-48-1	L2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/22 22:50	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/22 22:50	75-09-2	IC	
Styrene	<1.0	ug/L	1.0	1		03/29/22 22:50	100-42-5		
Tetrachloroethene	21.7	ug/L	1.0	1		03/29/22 22:50	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/22 22:50	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		03/29/22 22:50	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		03/29/22 22:50	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/22 22:50	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 22:50	10061-01-5	L2	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 22:50	10061-02-6	L2	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	81-122	1		03/29/22 22:50	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		03/29/22 22:50	460-00-4		
Toluene-d8 (S)	101	%	82-122	1		03/29/22 22:50	2037-26-5		
4500H+ pH, Electrometric									
Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville									
pH	6.7	Std. Units	0.10	1		03/22/22 17:38		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: SYS-EFF		Lab ID: 70208119001		Collected: 03/21/22 11:00		Received: 03/21/22 15:07		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)	12.8	deg C	0.10	1		03/22/22 17:38		H3,H6	
5310B TOC as NPOC		Analytical Method: SM22 5310B Pace Analytical Services - Melville							
Total Organic Carbon	4.4	mg/L	1.0	1		03/23/22 20:33	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: SYS-INF		Lab ID: 70208119002		Collected: 03/21/22 11:05		Received: 03/21/22 15:07		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	17400	ug/L	100	1	03/23/22 10:35	03/24/22 22:00	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		03/29/22 23:10	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/22 23:10	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:10	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:10	75-34-3		
1,1-Dichloroethene	3.0	ug/L	1.0	1		03/29/22 23:10	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:10	107-06-2		
1,2-Dichloroethene (Total)	2140	ug/L	40.0	20		03/30/22 23:15	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/22 23:10	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/22 23:10	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/22 23:10	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/22 23:10	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/22 23:10	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/22 23:10	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/22 23:10	75-27-4	L2	
Bromoform	<1.0	ug/L	1.0	1		03/29/22 23:10	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1		03/29/22 23:10	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/22 23:10	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/22 23:10	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/22 23:10	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/22 23:10	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/29/22 23:10	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/22 23:10	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/22 23:10	124-48-1	L2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/22 23:10	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/22 23:10	75-09-2	IC	
Styrene	<1.0	ug/L	1.0	1		03/29/22 23:10	100-42-5		
Tetrachloroethene	1010	ug/L	20.0	20		03/30/22 23:15	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/22 23:10	108-88-3		
Trichloroethene	213	ug/L	20.0	20		03/30/22 23:15	79-01-6		
Vinyl chloride	90.9	ug/L	1.0	1		03/29/22 23:10	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/22 23:10	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:10	10061-01-5	L2	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:10	10061-02-6	L2	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	81-122	1		03/29/22 23:10	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		03/29/22 23:10	460-00-4		
Toluene-d8 (S)	102	%	82-122	1		03/29/22 23:10	2037-26-5		
4500H+ pH, Electrometric									
Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville									
pH	6.4	Std. Units	0.10	1		03/22/22 17:39		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: SYS-INF		Lab ID: 70208119002		Collected: 03/21/22 11:05		Received: 03/21/22 15:07		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)	12.4	deg C	0.10	1		03/22/22 17:39		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	4.9	mg/L	1.0	1		03/23/22 20:45	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: MAG		Lab ID: 70208119003		Collected: 03/21/22 11:15		Received: 03/21/22 15:07		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	7090	ug/L	100	1	03/23/22 10:35	03/24/22 22:03	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		03/29/22 23:29	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/22 23:29	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:29	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:29	75-34-3		
1,1-Dichloroethene	1.8	ug/L	1.0	1		03/29/22 23:29	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:29	107-06-2		
1,2-Dichloroethene (Total)	1120	ug/L	20.0	10		03/30/22 23:35	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/22 23:29	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/22 23:29	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/22 23:29	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/22 23:29	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/22 23:29	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/22 23:29	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/22 23:29	75-27-4	L2	
Bromoform	<1.0	ug/L	1.0	1		03/29/22 23:29	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1		03/29/22 23:29	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/22 23:29	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/22 23:29	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/22 23:29	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/22 23:29	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/29/22 23:29	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/22 23:29	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/22 23:29	124-48-1	L2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/22 23:29	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/22 23:29	75-09-2	IC	
Styrene	<1.0	ug/L	1.0	1		03/29/22 23:29	100-42-5		
Tetrachloroethene	910	ug/L	10.0	10		03/30/22 23:35	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/22 23:29	108-88-3		
Trichloroethene	79.0	ug/L	1.0	1		03/29/22 23:29	79-01-6		
Vinyl chloride	13.4	ug/L	1.0	1		03/29/22 23:29	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/22 23:29	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:29	10061-01-5	L2	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:29	10061-02-6	L2	
Surrogates									
1,2-Dichloroethane-d4 (S)	100	%	81-122	1		03/29/22 23:29	17060-07-0		
4-Bromofluorobenzene (S)	99	%	79-118	1		03/29/22 23:29	460-00-4		
Toluene-d8 (S)	101	%	82-122	1		03/29/22 23:29	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		03/22/22 17:41		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: MAG		Lab ID: 70208119003		Collected: 03/21/22 11:15		Received: 03/21/22 15:07		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)	13.4	deg C	0.10	1		03/22/22 17:41		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	1.4	mg/L	1.0	1		03/23/22 20:57	7440-44-0		

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: UG		Lab ID: 70208119004		Collected: 03/21/22 11:10		Received: 03/21/22 15:07		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	29600	ug/L	100	1	03/23/22 10:35	03/24/22 22:10	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		03/29/22 23:48	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/22 23:48	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:48	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:48	75-34-3		
1,1-Dichloroethene	4.6	ug/L	1.0	1		03/29/22 23:48	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/22 23:48	107-06-2		
1,2-Dichloroethene (Total)	3120	ug/L	50.0	25		03/30/22 23:54	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/22 23:48	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/22 23:48	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/22 23:48	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/22 23:48	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/22 23:48	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/22 23:48	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/22 23:48	75-27-4	L2	
Bromoform	<1.0	ug/L	1.0	1		03/29/22 23:48	75-25-2	v3	
Bromomethane	<1.0	ug/L	1.0	1		03/29/22 23:48	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/22 23:48	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/22 23:48	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/22 23:48	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/22 23:48	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		03/29/22 23:48	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/22 23:48	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/22 23:48	124-48-1	L2	
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/22 23:48	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/22 23:48	75-09-2	IC	
Styrene	<1.0	ug/L	1.0	1		03/29/22 23:48	100-42-5		
Tetrachloroethene	763	ug/L	25.0	25		03/30/22 23:54	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/22 23:48	108-88-3		
Trichloroethene	380	ug/L	25.0	25		03/30/22 23:54	79-01-6		
Vinyl chloride	187	ug/L	1.0	1		03/29/22 23:48	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/22 23:48	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:48	10061-01-5	L2	
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/22 23:48	10061-02-6	L2	
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	81-122	1		03/29/22 23:48	17060-07-0		
4-Bromofluorobenzene (S)	101	%	79-118	1		03/29/22 23:48	460-00-4		
Toluene-d8 (S)	103	%	82-122	1		03/29/22 23:48	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		03/22/22 17:40		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Sample: UG		Lab ID: 70208119004		Collected: 03/21/22 11:10		Received: 03/21/22 15:07		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)	13.4	deg C	0.10	1		03/22/22 17:40		H3,H6	
5310B TOC as NPOC	Analytical Method: SM22 5310B Pace Analytical Services - Melville								
Total Organic Carbon	9.1	mg/L	1.0	1		03/23/22 21:09	7440-44-0		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

QC Batch:	249212	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: 70208119001, 70208119002, 70208119003, 70208119004

METHOD BLANK: 1259396 Matrix: Water

Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	03/24/22 13:59	

LABORATORY CONTROL SAMPLE: 1259397

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12000	96	85-115	

MATRIX SPIKE SAMPLE: 1259399

Parameter	Units	70208261001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	759	5000	6130	107	70-130	

MATRIX SPIKE SAMPLE: 1259401

Parameter	Units	70208014008 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	184	5000	5420	105	70-130	

SAMPLE DUPLICATE: 1259398

Parameter	Units	70208261001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	759	749	1	

SAMPLE DUPLICATE: 1259400

Parameter	Units	70208014008 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	184	143	25 D6	

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QUALITY CONTROL DATA

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

QC Batch:	250056	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

METHOD BLANK: 1263546 Matrix: Water

Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/29/22 20:09	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	03/29/22 20:09	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/29/22 20:09	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/29/22 20:09	
2-Hexanone	ug/L	<5.0	5.0	03/29/22 20:09	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/29/22 20:09	
Acetone	ug/L	<5.0	5.0	03/29/22 20:09	
Benzene	ug/L	<0.70	0.70	03/29/22 20:09	
Bromodichloromethane	ug/L	<1.0	1.0	03/29/22 20:09	
Bromoform	ug/L	<1.0	1.0	03/29/22 20:09	v3
Bromomethane	ug/L	<1.0	1.0	03/29/22 20:09	
Carbon disulfide	ug/L	<1.0	1.0	03/29/22 20:09	
Carbon tetrachloride	ug/L	<1.0	1.0	03/29/22 20:09	
Chlorobenzene	ug/L	<1.0	1.0	03/29/22 20:09	
Chloroethane	ug/L	<1.0	1.0	03/29/22 20:09	
Chloroform	ug/L	<1.0	1.0	03/29/22 20:09	
Chloromethane	ug/L	<1.0	1.0	03/29/22 20:09	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/29/22 20:09	
Dibromochloromethane	ug/L	<1.0	1.0	03/29/22 20:09	
Ethylbenzene	ug/L	<1.0	1.0	03/29/22 20:09	
Methylene Chloride	ug/L	<1.0	1.0	03/29/22 20:09	IC
Styrene	ug/L	<1.0	1.0	03/29/22 20:09	
Tetrachloroethene	ug/L	<1.0	1.0	03/29/22 20:09	
Toluene	ug/L	<1.0	1.0	03/29/22 20:09	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/29/22 20:09	
Trichloroethene	ug/L	<1.0	1.0	03/29/22 20:09	
Vinyl chloride	ug/L	<1.0	1.0	03/29/22 20:09	
Xylene (Total)	ug/L	<3.0	3.0	03/29/22 20:09	
1,2-Dichloroethane-d4 (S)	%	100	81-122	03/29/22 20:09	
4-Bromofluorobenzene (S)	%	99	79-118	03/29/22 20:09	
Toluene-d8 (S)	%	100	82-122	03/29/22 20:09	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

LABORATORY CONTROL SAMPLE: 1263547

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	40.6	81	72-126	
1,1,2,2-Tetrachloroethane	ug/L	50	40.6	81	70-127	
1,1,2-Trichloroethane	ug/L	50	47.7	95	81-119	
1,1-Dichloroethane	ug/L	50	47.8	96	72-126	
1,1-Dichloroethene	ug/L	50	43.5	87	66-133	
1,2-Dichloroethane	ug/L	50	45.8	92	69-134	
1,2-Dichloroethene (Total)	ug/L	100	93.8	94	69-123	
1,2-Dichloropropane	ug/L	50	45.5	91	75-125	
2-Butanone (MEK)	ug/L	50	49.4	99	33-165	
2-Hexanone	ug/L	50	48.6	97	50-128	
4-Methyl-2-pentanone (MIBK)	ug/L	50	41.2	82	62-131	
Acetone	ug/L	50	72.9	146	14-156	IH
Benzene	ug/L	50	47.9	96	78-117	
Bromodichloromethane	ug/L	50	37.0	74	80-123	L2
Bromoform	ug/L	50	25.2	50	49-138	v3
Bromomethane	ug/L	50	55.0	110	10-143	v1
Carbon disulfide	ug/L	50	38.2	76	66-133	
Carbon tetrachloride	ug/L	50	35.7	71	64-135	
Chlorobenzene	ug/L	50	47.9	96	79-117	
Chloroethane	ug/L	50	48.8	98	31-156	
Chloroform	ug/L	50	47.5	95	79-123	
Chloromethane	ug/L	50	40.6	81	39-116	
cis-1,3-Dichloropropene	ug/L	50	38.1	76	78-131	L2
Dibromochloromethane	ug/L	50	32.0	64	65-123	L2
Ethylbenzene	ug/L	50	48.3	97	79-115	
Methylene Chloride	ug/L	50	46.1	92	67-123	IC
Styrene	ug/L	50	48.2	96	82-121	
Tetrachloroethene	ug/L	50	47.7	95	65-120	
Toluene	ug/L	50	47.7	95	80-114	
trans-1,3-Dichloropropene	ug/L	50	35.7	71	73-135	L2
Trichloroethene	ug/L	50	48.2	96	79-115	
Vinyl chloride	ug/L	50	46.1	92	49-118	
Xylene (Total)	ug/L	150	142	95	80-118	
1,2-Dichloroethane-d4 (S)	%			100	81-122	
4-Bromofluorobenzene (S)	%			102	79-118	
Toluene-d8 (S)	%			102	82-122	

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QUALITY CONTROL DATA

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

QC Batch: 249151

Analysis Method: SM22 4500-H+B

QC Batch Method: SM22 4500-H+B

Analysis Description: 4500H+B pH

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

SAMPLE DUPLICATE: 1259114

Parameter	Units	70208204001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	8.1	8.1	0	H3,H6,N3
Temperature, Water (C)	deg C	14.9	14.9	0	H3,H6

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QUALITY CONTROL DATA

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

QC Batch:	249231	Analysis Method:	SM22 5310B
QC Batch Method:	SM22 5310B	Analysis Description:	5310B TOC
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

METHOD BLANK: 1259450 Matrix: Water
Associated Lab Samples: 70208119001, 70208119002, 70208119003, 70208119004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Total Organic Carbon	mg/L	<0.50	0.50	03/23/22 17:53	

LABORATORY CONTROL SAMPLE: 1259451

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: 1259455

Parameter	Units	70208196001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Total Organic Carbon	mg/L	<1.0	10	9.9	94	75-125	

SAMPLE DUPLICATE: 1259454

Parameter	Units	70208196001 Result	Dup Result	RPD	Qualifiers
Total Organic Carbon	mg/L	<1.0	<1.0		

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QUALIFIERS

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

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.
IC	The initial calibration for this compound was outside of method control limits. The result is estimated.
IH	This analyte exceeded secondary source verification criteria high for the initial calibration. The reported results should be considered an estimated value.
L2	Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
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.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT/MIN1001 - 3/21

Pace Project No.: 70208119

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70208119001	SYS-EFF	EPA 200.7	249212	EPA 200.7	249332
70208119002	SYS-INF	EPA 200.7	249212	EPA 200.7	249332
70208119003	MAG	EPA 200.7	249212	EPA 200.7	249332
70208119004	UG	EPA 200.7	249212	EPA 200.7	249332
70208119001	SYS-EFF	EPA 8260C/5030C	250056		
70208119002	SYS-INF	EPA 8260C/5030C	250056		
70208119003	MAG	EPA 8260C/5030C	250056		
70208119004	UG	EPA 8260C/5030C	250056		
70208119001	SYS-EFF	SM22 4500-H+B	249151		
70208119002	SYS-INF	SM22 4500-H+B	249151		
70208119003	MAG	SM22 4500-H+B	249151		
70208119004	UG	SM22 4500-H+B	249151		
70208119001	SYS-EFF	SM22 5310B	249231		
70208119002	SYS-INF	SM22 5310B	249231		
70208119003	MAG	SM22 5310B	249231		
70208119004	UG	SM22 5310B	249231		

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