



April 22, 2024

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: 2024 First Quarter Status Letter
Minimilt Realty Groundwater Remedial System, NYSDEC Site No. 1-52-147
540 Smith Street, East 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 2024 remedial systems sampling at the above referenced site which include a Groundwater Extraction and Treatment (GWE&T) System and a Soil Vapor Extraction (SVE) System.

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 March 2024, contained site details from October 2022 to December 2023. The current monitoring events will be contained in the next PRR which will document the time period ranging from January 2024 to March 2025. During the first quarter of 2024, PWGC made arrangements to replace the packing in the treatment tower of the GWE&T System after it was observed that the effluent samples contained exceedances in PCE, DCE, and TCE. Packing replacement was performed from March 20, 2024, to March 22, 2024. Following the replacement of the packing, the GWE&T system was fully operational and effluent samples no longer show exceedances.

Monthly GWE&T samples were collected on January 17, 2024 to confirm the effluent exceedances before the system was shut down, and on March 28, 2024, after the system had been restarted following the packing replacement and running for one week. Samples were not collected in February, as the system was not running.

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
Senior Project Manager



Laboratory Analytical Reports





March 29, 2024

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

RE: Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on March 28, 2024. 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,

Jack M. Germano
jack.germano@pacelabs.com
516-370-6012
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

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 MONTHLY 3/28

Pace Project No.: 70292221

Sample: MAG		Lab ID: 70292221001		Collected: 03/28/24 11:30		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	463	ug/L	100	1	03/29/24 06:32	03/29/24 12:00	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		03/29/24 01:39	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/24 01:39	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:39	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:39	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/24 01:39	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:39	107-06-2		
1,2-Dichloroethene (Total)	122	ug/L	2.0	1		03/29/24 01:39	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/24 01:39	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/24 01:39	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/24 01:39	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/24 01:39	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/24 01:39	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/24 01:39	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/24 01:39	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/29/24 01:39	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/29/24 01:39	74-83-9	IC	
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/24 01:39	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/24 01:39	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/24 01:39	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/24 01:39	75-00-3	v3	
Chloroform	1.5	ug/L	1.0	1		03/29/24 01:39	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/24 01:39	74-87-3	v3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/24 01:39	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/24 01:39	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/24 01:39	75-09-2		
Styrene	<1.0	ug/L	1.0	1		03/29/24 01:39	100-42-5		
Tetrachloroethene	389	ug/L	10.0	10		03/29/24 02:38	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/24 01:39	108-88-3		
Trichloroethene	51.4	ug/L	1.0	1		03/29/24 01:39	79-01-6		
Vinyl chloride	4.6	ug/L	1.0	1		03/29/24 01:39	75-01-4	v3	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/24 01:39	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:39	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:39	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	105	%	80-120	1		03/29/24 01:39	17060-07-0		
4-Bromofluorobenzene (S)	93	%	73-122	1		03/29/24 01:39	460-00-4		
Toluene-d8 (S)	93	%	75-122	1		03/29/24 01:39	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	5.8	Std. Units	0.10	1		03/29/24 11:25		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

Sample: MAG		Lab ID: 70292221001		Collected: 03/28/24 11:30		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric	Analytical Method: SM22 4500-H+B								
	Pace Analytical Services - Melville								
Temperature, Water (C)	7.5	deg C	0.10	1		03/29/24 11:25		H3,H6	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

Sample: SYS-EFF		Lab ID: 70292221002		Collected: 03/28/24 11:10		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	1230	ug/L	100	1	03/29/24 06:32	03/29/24 12:02	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		03/29/24 01:00	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/24 01:00	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:00	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:00	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/24 01:00	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:00	107-06-2		
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		03/29/24 01:00	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/24 01:00	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/24 01:00	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/24 01:00	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/24 01:00	108-10-1		
Acetone	9.9	ug/L	5.0	1		03/29/24 01:00	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/24 01:00	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/24 01:00	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/29/24 01:00	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/29/24 01:00	74-83-9	IC	
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/24 01:00	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/24 01:00	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/24 01:00	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/24 01:00	75-00-3	v3	
Chloroform	<1.0	ug/L	1.0	1		03/29/24 01:00	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/24 01:00	74-87-3	v3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/24 01:00	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/24 01:00	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/24 01:00	75-09-2		
Styrene	<1.0	ug/L	1.0	1		03/29/24 01:00	100-42-5		
Tetrachloroethene	2.0	ug/L	1.0	1		03/29/24 01:00	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/24 01:00	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		03/29/24 01:00	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		03/29/24 01:00	75-01-4	v3	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/24 01:00	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:00	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:00	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	106	%	80-120	1		03/29/24 01:00	17060-07-0		
4-Bromofluorobenzene (S)	94	%	73-122	1		03/29/24 01:00	460-00-4		
Toluene-d8 (S)	94	%	75-122	1		03/29/24 01:00	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.8	Std. Units	0.10	1		03/29/24 11:21		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

Sample: SYS-EFF		Lab ID: 70292221002		Collected: 03/28/24 11:10		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	7.6	deg C	0.10	1		03/29/24 11:21		H3,H6	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

Sample: SYS-INF		Lab ID: 70292221003		Collected: 03/28/24 11:05		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	2210	ug/L	100	1	03/29/24 06:32	03/29/24 12:05	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		03/29/24 01:19	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/24 01:19	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:19	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:19	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		03/29/24 01:19	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:19	107-06-2		
1,2-Dichloroethene (Total)	629	ug/L	20.0	10		03/29/24 02:18	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/24 01:19	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/24 01:19	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/24 01:19	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/24 01:19	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/24 01:19	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/24 01:19	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/24 01:19	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/29/24 01:19	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/29/24 01:19	74-83-9	IC	
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/24 01:19	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/24 01:19	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/24 01:19	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/24 01:19	75-00-3	v3	
Chloroform	1.1	ug/L	1.0	1		03/29/24 01:19	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/24 01:19	74-87-3	v3	
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/24 01:19	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/24 01:19	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/24 01:19	75-09-2		
Styrene	<1.0	ug/L	1.0	1		03/29/24 01:19	100-42-5		
Tetrachloroethene	847	ug/L	10.0	10		03/29/24 02:18	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/24 01:19	108-88-3		
Trichloroethene	172	ug/L	1.0	1		03/29/24 01:19	79-01-6		
Vinyl chloride	43.8	ug/L	1.0	1		03/29/24 01:19	75-01-4	v3	
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/24 01:19	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:19	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:19	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		03/29/24 01:19	17060-07-0		
4-Bromofluorobenzene (S)	97	%	73-122	1		03/29/24 01:19	460-00-4		
Toluene-d8 (S)	96	%	75-122	1		03/29/24 01:19	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	5.8	Std. Units	0.10	1		03/29/24 11:19		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

Sample: SYS-INF		Lab ID: 70292221003		Collected: 03/28/24 11:05		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	8.1	deg C	0.10	1		03/29/24 11:19		H3,H6	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

Sample: UG		Lab ID: 70292221004		Collected: 03/28/24 11:20		Received: 03/28/24 11:56		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	4820	ug/L	100	1	03/29/24 06:32	03/29/24 12:16	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		03/29/24 01:58	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		03/29/24 01:58	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:58	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:58	75-34-3		
1,1-Dichloroethene	1.9	ug/L	1.0	1		03/29/24 01:58	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		03/29/24 01:58	107-06-2		
1,2-Dichloroethene (Total)	688	ug/L	20.0	10		03/29/24 02:57	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		03/29/24 01:58	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		03/29/24 01:58	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		03/29/24 01:58	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		03/29/24 01:58	108-10-1		
Acetone	<5.0	ug/L	5.0	1		03/29/24 01:58	67-64-1		
Benzene	<0.70	ug/L	0.70	1		03/29/24 01:58	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		03/29/24 01:58	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		03/29/24 01:58	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		03/29/24 01:58	74-83-9 IC		
Carbon disulfide	<1.0	ug/L	1.0	1		03/29/24 01:58	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		03/29/24 01:58	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		03/29/24 01:58	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		03/29/24 01:58	75-00-3 v3		
Chloroform	<1.0	ug/L	1.0	1		03/29/24 01:58	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		03/29/24 01:58	74-87-3 v3		
Dibromochloromethane	<1.0	ug/L	1.0	1		03/29/24 01:58	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		03/29/24 01:58	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		03/29/24 01:58	75-09-2		
Styrene	<1.0	ug/L	1.0	1		03/29/24 01:58	100-42-5		
Tetrachloroethene	314	ug/L	10.0	10		03/29/24 02:57	127-18-4		
Toluene	<1.0	ug/L	1.0	1		03/29/24 01:58	108-88-3		
Trichloroethene	157	ug/L	10.0	10		03/29/24 02:57	79-01-6		
Vinyl chloride	103	ug/L	1.0	1		03/29/24 01:58	75-01-4 v3		
Xylene (Total)	<3.0	ug/L	3.0	1		03/29/24 01:58	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:58	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		03/29/24 01:58	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	104	%	80-120	1		03/29/24 01:58	17060-07-0		
4-Bromofluorobenzene (S)	96	%	73-122	1		03/29/24 01:58	460-00-4		
Toluene-d8 (S)	93	%	75-122	1		03/29/24 01:58	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		03/29/24 11:23			H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

Sample: UG		Lab ID: 70292221004		Collected: 03/28/24 11:20		Received: 03/28/24 11:56		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	7.7	deg C	0.10	1		03/29/24 11:23		H3,H6	

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

QC Batch: 342383

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: 70292221001, 70292221002, 70292221003, 70292221004

METHOD BLANK: 1764940

Matrix: Water

Associated Lab Samples: 70292221001, 70292221002, 70292221003, 70292221004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	03/29/24 11:35	

LABORATORY CONTROL SAMPLE: 1764941

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	12200	98	85-115	

MATRIX SPIKE SAMPLE: 1764943

Parameter	Units	70292109004 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	504	5000	5620	102	70-130	

SAMPLE DUPLICATE: 1764942

Parameter	Units	70292109004 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	504	490	3	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

QC Batch:	342358	Analysis Method:	EPA 8260C/5030C
QC Batch Method:	EPA 8260C/5030C	Analysis Description:	8260 MSV
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70292221001, 70292221002, 70292221003, 70292221004

METHOD BLANK: 1764833 Matrix: Water

Associated Lab Samples: 70292221001, 70292221002, 70292221003, 70292221004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	03/28/24 23:17	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	03/28/24 23:17	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	03/28/24 23:17	
1,1-Dichloroethane	ug/L	<1.0	1.0	03/28/24 23:17	
1,1-Dichloroethene	ug/L	<1.0	1.0	03/28/24 23:17	
1,2-Dichloroethane	ug/L	<1.0	1.0	03/28/24 23:17	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	03/28/24 23:17	
1,2-Dichloropropane	ug/L	<1.0	1.0	03/28/24 23:17	
2-Butanone (MEK)	ug/L	<5.0	5.0	03/28/24 23:17	
2-Hexanone	ug/L	<5.0	5.0	03/28/24 23:17	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	03/28/24 23:17	
Acetone	ug/L	<5.0	5.0	03/28/24 23:17	
Benzene	ug/L	<0.70	0.70	03/28/24 23:17	
Bromodichloromethane	ug/L	<1.0	1.0	03/28/24 23:17	
Bromoform	ug/L	<1.0	1.0	03/28/24 23:17	
Bromomethane	ug/L	<1.0	1.0	03/28/24 23:17	IC
Carbon disulfide	ug/L	<1.0	1.0	03/28/24 23:17	
Carbon tetrachloride	ug/L	<1.0	1.0	03/28/24 23:17	
Chlorobenzene	ug/L	<1.0	1.0	03/28/24 23:17	
Chloroethane	ug/L	<1.0	1.0	03/28/24 23:17	v3
Chloroform	ug/L	<1.0	1.0	03/28/24 23:17	
Chloromethane	ug/L	<1.0	1.0	03/28/24 23:17	v3
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	03/28/24 23:17	
Dibromochloromethane	ug/L	<1.0	1.0	03/28/24 23:17	
Ethylbenzene	ug/L	<1.0	1.0	03/28/24 23:17	
Methylene Chloride	ug/L	<1.0	1.0	03/28/24 23:17	
Styrene	ug/L	<1.0	1.0	03/28/24 23:17	
Tetrachloroethene	ug/L	<1.0	1.0	03/28/24 23:17	
Toluene	ug/L	<1.0	1.0	03/28/24 23:17	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	03/28/24 23:17	
Trichloroethene	ug/L	<1.0	1.0	03/28/24 23:17	
Vinyl chloride	ug/L	<1.0	1.0	03/28/24 23:17	v3
Xylene (Total)	ug/L	<3.0	3.0	03/28/24 23:17	
1,2-Dichloroethane-d4 (S)	%	106	80-120	03/28/24 23:17	
4-Bromofluorobenzene (S)	%	98	73-122	03/28/24 23:17	
Toluene-d8 (S)	%	96	75-122	03/28/24 23:17	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

LABORATORY CONTROL SAMPLE: 1764834

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	54.9	110	66-121	
1,1,2,2-Tetrachloroethane	ug/L	50	41.5	83	75-119	
1,1,2-Trichloroethane	ug/L	50	51.0	102	81-120	
1,1-Dichloroethane	ug/L	50	52.7	105	61-127	
1,1-Dichloroethene	ug/L	50	50.0	100	51-133	
1,2-Dichloroethane	ug/L	50	54.1	108	70-127	
1,2-Dichloroethene (Total)	ug/L	100	106	106	67-134	
1,2-Dichloropropane	ug/L	50	51.3	103	73-121	
2-Butanone (MEK)	ug/L	50	45.1	90	46-183	
2-Hexanone	ug/L	50	39.9	80	53-145	
4-Methyl-2-pentanone (MIBK)	ug/L	50	37.3	75	64-131	
Acetone	ug/L	50	52.7	105	21-195	
Benzene	ug/L	50	51.6	103	72-122	
Bromodichloromethane	ug/L	50	54.7	109	79-118	
Bromoform	ug/L	50	44.2	88	61-139	
Bromomethane	ug/L	50	49.3	99	25-144	IC
Carbon disulfide	ug/L	50	47.8	96	50-126	
Carbon tetrachloride	ug/L	50	51.3	103	57-124	
Chlorobenzene	ug/L	50	47.7	95	72-125	
Chloroethane	ug/L	50	35.7	71	51-136	v3
Chloroform	ug/L	50	55.1	110	69-124	
Chloromethane	ug/L	50	42.3	85	18-160	v3
cis-1,3-Dichloropropene	ug/L	50	51.0	102	70-127	
Dibromochloromethane	ug/L	50	46.0	92	72-134	
Ethylbenzene	ug/L	50	47.2	94	72-120	
Methylene Chloride	ug/L	50	50.6	101	59-127	
Styrene	ug/L	50	50.1	100	77-128	
Tetrachloroethene	ug/L	50	48.3	97	60-134	
Toluene	ug/L	50	51.8	104	75-120	
trans-1,3-Dichloropropene	ug/L	50	55.7	111	62-136	
Trichloroethene	ug/L	50	53.8	108	74-118	
Vinyl chloride	ug/L	50	41.5	83	39-127	v3
Xylene (Total)	ug/L	150	138	92	70-121	
1,2-Dichloroethane-d4 (S)	%			100	80-120	
4-Bromofluorobenzene (S)	%			100	73-122	
Toluene-d8 (S)	%			96	75-122	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 3/28
Pace Project No.: 70292221

QC Batch:	342396	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: 70292221001, 70292221002, 70292221003, 70292221004			

SAMPLE DUPLICATE: 1764972

Parameter	Units	70291821001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.7	7.7		1 H3,H6,N3
Temperature, Water (C)	deg C	6.1	6.3		3 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



QUALIFIERS

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

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.

BATCH QUALIFIERS

Batch: 342425

- [1] The post digestion spike for sample 70292109004 (PDS 1765076) did not meet acceptance criteria for Silver.
- [2] The serial dilution for sample 70292109004 (SD 1765077) did not meet acceptance criteria for Copper and Nickel.

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.
- N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.
- v3 The continuing calibration verification was below the method acceptance limit. Any detection for the analyte in the associated samples may have a low bias.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 3/28

Pace Project No.: 70292221

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70292221001	MAG	EPA 200.7	342383	EPA 200.7	342425
70292221002	SYS-EFF	EPA 200.7	342383	EPA 200.7	342425
70292221003	SYS-INF	EPA 200.7	342383	EPA 200.7	342425
70292221004	UG	EPA 200.7	342383	EPA 200.7	342425
70292221001	MAG	EPA 8260C/5030C	342358		
70292221002	SYS-EFF	EPA 8260C/5030C	342358		
70292221003	SYS-INF	EPA 8260C/5030C	342358		
70292221004	UG	EPA 8260C/5030C	342358		
70292221001	MAG	SM22 4500-H+B	342396		
70292221002	SYS-EFF	SM22 4500-H+B	342396		
70292221003	SYS-INF	SM22 4500-H+B	342396		
70292221004	UG	SM22 4500-H+B	342396		

REPORT OF LABORATORY ANALYSIS

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WO#: 70292221

Client Name:

Project #

PM: JMG

Due Date: 04/11/24

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Parcel ☐ Other

CLIENT: PWG

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ Non ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH211 Correction Factor: -0.1 ☐ Samples on ice, cooling process has begun

Cooler Temperature (°C): 1.4 Cooler Temperature Corrected (°C): 1.0 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

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

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents: WR 3/28/24

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☒ Yes ☐ No	6.
Rush Turn Around Time Requested: ☒ Yes ☐ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	10.
Containers Intact: ☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests: ☒ Yes ☐ No ☒ N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix: SL WT OIL OTHER	

Date and Initials of person checking preservation: WR 3/28/24

All containers needing preservation have been ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # 213623	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	
Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	Initial when completed: Lot # of added preservative: Date/Time preservative added:
KI starch test strips Lot #	14. Positive for Res. Chlorine? Y N
Residual chlorine strips Lot #	15. Positive for Sulfide? Y N
SM 4500 CN samples checked for sul ☒ Yes ☐ No ☐ N/A	16.
Lead Acetate Strips Lot #	17.
Headspace in VOA Vials (>6mm): ☐ Yes ☒ No ☐ N/A	
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	
Trip Blank Custody Seals Present: ☐ Yes ☐ No ☒ N/A	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: RS 3/28/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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



January 23, 2024

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

RE: Project: MINMILT MONTHLY 1/17
Pace Project No.: 70284451

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on January 17, 2024. 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,

A handwritten signature in black ink that reads 'Daniel H. Bonitto'.

Daniel H. Bonitto
daniel.bonitto@pacelabs.com
516-370-6000
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

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 MONTHLY 1/17

Pace Project No.: 70284451

Sample: SYS-EFF		Lab ID: 70284451001		Collected: 01/17/24 09:00		Received: 01/17/24 09:35		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	1110	ug/L	100	1	01/18/24 07:27	01/18/24 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		01/18/24 16:44	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/24 16:44	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/24 16:44	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/24 16:44	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/24 16:44	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/24 16:44	107-06-2		
1,2-Dichloroethene (Total)	198	ug/L	2.0	1		01/18/24 16:44	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/24 16:44	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/24 16:44	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/18/24 16:44	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/24 16:44	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/18/24 16:44	67-64-1	IL	
Benzene	<0.70	ug/L	0.70	1		01/18/24 16:44	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/24 16:44	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/18/24 16:44	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/18/24 16:44	74-83-9	IC,M1	
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/24 16:44	75-15-0	L1,M0	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/24 16:44	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/24 16:44	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/18/24 16:44	75-00-3	L1,M0	
Chloroform	<1.0	ug/L	1.0	1		01/18/24 16:44	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/18/24 16:44	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/24 16:44	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/24 16:44	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/24 16:44	75-09-2		
Styrene	<1.0	ug/L	1.0	1		01/18/24 16:44	100-42-5		
Tetrachloroethene	41.3	ug/L	1.0	1		01/18/24 16:44	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/18/24 16:44	108-88-3		
Trichloroethene	8.7	ug/L	1.0	1		01/18/24 16:44	79-01-6		
Vinyl chloride	1.4	ug/L	1.0	1		01/18/24 16:44	75-01-4	L1,M0, v1	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/24 16:44	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/24 16:44	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/24 16:44	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	103	%	80-120	1		01/18/24 16:44	17060-07-0		
4-Bromofluorobenzene (S)	99	%	73-122	1		01/18/24 16:44	460-00-4		
Toluene-d8 (S)	96	%	75-122	1		01/18/24 16:44	2037-26-5		

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

Sample: SYS-EFF		Lab ID: 70284451001		Collected: 01/17/24 09:00		Received: 01/17/24 09:35		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							
pH	7.2	Std. Units	0.10	1		01/20/24 15:23			H3,H6, N3
Temperature, Water (C)	22.1	deg C	0.10	1		01/20/24 15:23			H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

Sample: SYS-INF		Lab ID: 70284451002		Collected: 01/17/24 08:55		Received: 01/17/24 09:35		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	1540	ug/L	100	1	01/18/24 07:27	01/18/24 13:32	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		01/18/24 21:04	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		01/18/24 21:04	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		01/18/24 21:04	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		01/18/24 21:04	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		01/18/24 21:04	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		01/18/24 21:04	107-06-2		
1,2-Dichloroethene (Total)	580	ug/L	20.0	10		01/22/24 15:44	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		01/18/24 21:04	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		01/18/24 21:04	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		01/18/24 21:04	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		01/18/24 21:04	108-10-1		
Acetone	<5.0	ug/L	5.0	1		01/18/24 21:04	67-64-1	IL	
Benzene	<0.70	ug/L	0.70	1		01/18/24 21:04	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		01/18/24 21:04	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		01/18/24 21:04	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		01/18/24 21:04	74-83-9	IC	
Carbon disulfide	<1.0	ug/L	1.0	1		01/18/24 21:04	75-15-0	L1	
Carbon tetrachloride	<1.0	ug/L	1.0	1		01/18/24 21:04	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		01/18/24 21:04	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		01/18/24 21:04	75-00-3	L1	
Chloroform	1.1	ug/L	1.0	1		01/18/24 21:04	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		01/18/24 21:04	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		01/18/24 21:04	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		01/18/24 21:04	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		01/18/24 21:04	75-09-2		
Styrene	<1.0	ug/L	1.0	1		01/18/24 21:04	100-42-5		
Tetrachloroethene	636	ug/L	10.0	10		01/22/24 15:44	127-18-4		
Toluene	<1.0	ug/L	1.0	1		01/18/24 21:04	108-88-3		
Trichloroethene	66.4	ug/L	1.0	1		01/18/24 21:04	79-01-6		
Vinyl chloride	55.1	ug/L	1.0	1		01/18/24 21:04	75-01-4	L1,v1	
Xylene (Total)	<3.0	ug/L	3.0	1		01/18/24 21:04	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/24 21:04	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		01/18/24 21:04	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		01/18/24 21:04	17060-07-0		
4-Bromofluorobenzene (S)	100	%	73-122	1		01/18/24 21:04	460-00-4		
Toluene-d8 (S)	94	%	75-122	1		01/18/24 21:04	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		01/20/24 15:21		H3,H6, N3	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 1/17
Pace Project No.: 70284451

Sample: SYS-INF		Lab ID: 70284451002		Collected: 01/17/24 08:55		Received: 01/17/24 09:35		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)	21.9	deg C	0.10	1		01/20/24 15:21		H3,H6	

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

QC Batch: 334381

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: 70284451001, 70284451002

METHOD BLANK: 1718298

Matrix: Water

Associated Lab Samples: 70284451001, 70284451002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	01/18/24 12:15	

LABORATORY CONTROL SAMPLE: 1718299

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

MATRIX SPIKE SAMPLE: 1718301

Parameter	Units	70284441001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	5150	102	70-130	

MATRIX SPIKE SAMPLE: 1718303

Parameter	Units	70284451001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	1110	5000	6160	101	70-130	

SAMPLE DUPLICATE: 1718300

Parameter	Units	70284441001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 1718302

Parameter	Units	70284451001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	1110	1090	2	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

QC Batch: 334471

Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70284451001, 70284451002

METHOD BLANK: 1718651

Matrix: Water

Associated Lab Samples: 70284451001, 70284451002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	01/18/24 14:37	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	01/18/24 14:37	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	01/18/24 14:37	IC
1,1-Dichloroethane	ug/L	<1.0	1.0	01/18/24 14:37	
1,1-Dichloroethene	ug/L	<1.0	1.0	01/18/24 14:37	
1,2-Dichloroethane	ug/L	<1.0	1.0	01/18/24 14:37	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	01/18/24 14:37	
1,2-Dichloropropane	ug/L	<1.0	1.0	01/18/24 14:37	
2-Butanone (MEK)	ug/L	<5.0	5.0	01/18/24 14:37	
2-Hexanone	ug/L	<5.0	5.0	01/18/24 14:37	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	01/18/24 14:37	
Acetone	ug/L	<5.0	5.0	01/18/24 14:37	IL
Benzene	ug/L	<0.70	0.70	01/18/24 14:37	
Bromodichloromethane	ug/L	<1.0	1.0	01/18/24 14:37	
Bromoform	ug/L	<1.0	1.0	01/18/24 14:37	
Bromomethane	ug/L	<1.0	1.0	01/18/24 14:37	IC
Carbon disulfide	ug/L	<1.0	1.0	01/18/24 14:37	
Carbon tetrachloride	ug/L	<1.0	1.0	01/18/24 14:37	
Chlorobenzene	ug/L	<1.0	1.0	01/18/24 14:37	
Chloroethane	ug/L	<1.0	1.0	01/18/24 14:37	
Chloroform	ug/L	<1.0	1.0	01/18/24 14:37	
Chloromethane	ug/L	<1.0	1.0	01/18/24 14:37	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/24 14:37	
Dibromochloromethane	ug/L	<1.0	1.0	01/18/24 14:37	
Ethylbenzene	ug/L	<1.0	1.0	01/18/24 14:37	
Methylene Chloride	ug/L	<1.0	1.0	01/18/24 14:37	
Styrene	ug/L	<1.0	1.0	01/18/24 14:37	
Tetrachloroethene	ug/L	<1.0	1.0	01/18/24 14:37	
Toluene	ug/L	<1.0	1.0	01/18/24 14:37	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	01/18/24 14:37	
Trichloroethene	ug/L	<1.0	1.0	01/18/24 14:37	
Vinyl chloride	ug/L	<1.0	1.0	01/18/24 14:37	
Xylene (Total)	ug/L	<3.0	3.0	01/18/24 14:37	
1,2-Dichloroethane-d4 (S)	%	100	80-120	01/18/24 14:37	
4-Bromofluorobenzene (S)	%	100	73-122	01/18/24 14:37	
Toluene-d8 (S)	%	97	75-122	01/18/24 14:37	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

LABORATORY CONTROL SAMPLE: 1718652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	55.6	111	66-121	
1,1,2,2-Tetrachloroethane	ug/L	50	59.0	118	75-119	
1,1,2-Trichloroethane	ug/L	50	59.1	118	81-120	IC
1,1-Dichloroethane	ug/L	50	63.0	126	61-127	
1,1-Dichloroethene	ug/L	50	61.3	123	51-133	
1,2-Dichloroethane	ug/L	50	55.3	111	70-127	
1,2-Dichloroethene (Total)	ug/L	100	124	124	67-134	
1,2-Dichloropropane	ug/L	50	59.0	118	73-121	
2-Butanone (MEK)	ug/L	50	76.3	153	46-183	v1
2-Hexanone	ug/L	50	55.2	110	53-145	
4-Methyl-2-pentanone (MIBK)	ug/L	50	60.1	120	64-131	
Acetone	ug/L	50	52.8	106	21-195	IL,v1
Benzene	ug/L	50	56.9	114	72-122	
Bromodichloromethane	ug/L	50	56.5	113	79-118	
Bromoform	ug/L	50	50.4	101	61-139	
Bromomethane	ug/L	50	70.8	142	25-144	IC,v1
Carbon disulfide	ug/L	50	63.3	127	50-126	L1
Carbon tetrachloride	ug/L	50	54.7	109	57-124	
Chlorobenzene	ug/L	50	51.2	102	72-125	
Chloroethane	ug/L	50	71.0	142	51-136	L1
Chloroform	ug/L	50	61.8	124	69-124	
Chloromethane	ug/L	50	62.1	124	18-160	
cis-1,3-Dichloropropene	ug/L	50	60.3	121	70-127	
Dibromochloromethane	ug/L	50	51.8	104	72-134	
Ethylbenzene	ug/L	50	51.8	104	72-120	
Methylene Chloride	ug/L	50	60.7	121	59-127	
Styrene	ug/L	50	52.8	106	77-128	
Tetrachloroethene	ug/L	50	47.8	96	60-134	
Toluene	ug/L	50	56.2	112	75-120	
trans-1,3-Dichloropropene	ug/L	50	58.8	118	62-136	
Trichloroethene	ug/L	50	58.2	116	74-118	
Vinyl chloride	ug/L	50	69.0	138	39-127	L1,v1
Xylene (Total)	ug/L	150	153	102	70-121	
1,2-Dichloroethane-d4 (S)	%			101	80-120	
4-Bromofluorobenzene (S)	%			100	73-122	
Toluene-d8 (S)	%			96	75-122	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1718965 1718966

Parameter	Units	70284451001 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	58.8	56.0	118	112	68-134	5	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	58.8	57.4	118	115	64-126	2	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	60.4	58.3	121	117	68-131	4	IC
1,1-Dichloroethane	ug/L	<1.0	50	50	68.1	64.8	136	130	54-145	5	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1718965 1718966											
Parameter	Units	70284451001		MS	MSD	MS		MSD	% Rec		Qual
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	Result	% Rec	Limits	
1,1-Dichloroethene	ug/L	<1.0	50	50	50	66.8	63.2	134	126	53-147	6
1,2-Dichloroethane	ug/L	<1.0	50	50	50	57.3	55.6	115	111	58-141	3
1,2-Dichloroethene (Total)	ug/L	198	100	100	100	317	304	119	106	57-152	4
1,2-Dichloropropane	ug/L	<1.0	50	50	50	61.3	59.1	123	118	64-136	4
2-Butanone (MEK)	ug/L	<5.0	50	50	50	67.9	66.4	136	133	23-184	2 v1
2-Hexanone	ug/L	<5.0	50	50	50	50.9	51.2	102	102	49-129	1
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	57.9	57.0	116	114	52-141	2
Acetone	ug/L	<5.0	50	50	50	48.5	49.8	97	100	20-139	3 IL,v1
Benzene	ug/L	<0.70	50	50	50	60.7	57.7	121	115	67-139	5
Bromodichloromethane	ug/L	<1.0	50	50	50	58.0	56.5	116	113	70-127	3
Bromoform	ug/L	<1.0	50	50	50	49.1	49.6	98	99	47-138	1
Bromomethane	ug/L	<1.0	50	50	50	81.4	77.5	163	155	10-148	5 IC,M1,v1
Carbon disulfide	ug/L	<1.0	50	50	50	74.5	64.5	149	129	51-135	14 M0
Carbon tetrachloride	ug/L	<1.0	50	50	50	58.2	55.6	116	111	61-136	5
Chlorobenzene	ug/L	<1.0	50	50	50	52.7	51.1	105	102	73-130	3
Chloroethane	ug/L	<1.0	50	50	50	80.3	75.4	161	151	48-152	6 M0
Chloroform	ug/L	<1.0	50	50	50	65.7	62.9	131	126	58-143	4
Chloromethane	ug/L	<1.0	50	50	50	68.3	60.5	137	121	17-167	12
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	59.8	58.6	120	117	59-134	2
Dibromochloromethane	ug/L	<1.0	50	50	50	53.1	51.1	106	102	65-133	4
Ethylbenzene	ug/L	<1.0	50	50	50	54.1	52.4	108	105	63-139	3
Methylene Chloride	ug/L	<1.0	50	50	50	66.2	61.6	132	123	47-142	7
Styrene	ug/L	<1.0	50	50	50	54.4	53.2	109	106	72-134	2
Tetrachloroethene	ug/L	41.3	50	50	50	88.0	84.3	94	86	64-144	4
Toluene	ug/L	<1.0	50	50	50	58.7	56.2	117	112	72-136	4
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	58.7	57.4	117	115	53-139	2
Trichloroethene	ug/L	8.7	50	50	50	68.0	64.2	119	111	76-130	6
Vinyl chloride	ug/L	1.4	50	50	50	79.6	73.2	157	144	43-135	8 M0,v1
Xylene (Total)	ug/L	<3.0	150	150	150	159	155	106	103	63-136	3
1,2-Dichloroethane-d4 (S)	%							102	100	80-120	
4-Bromofluorobenzene (S)	%							100	100	73-122	
Toluene-d8 (S)	%							98	97	75-122	

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

QC Batch: 334660

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: 70284451001, 70284451002

SAMPLE DUPLICATE: 1719739

Parameter	Units	70284668017 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.7	7.7		0 H3,H6,N3
Temperature, Water (C)	deg C	22.3	22.2		0 H3,H6

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QUALIFIERS

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

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.

BATCH QUALIFIERS

Batch: 334407

- [1] The post digestion spike for sample 70284441001 (PDS 1718388) did not meet acceptance criteria for Silver.
- [2] The serial dilution for sample 70284441001 (SD 1718389) did not meet acceptance criteria for Aluminum, Arsenic, Boron, Copper, Iron, Molybdenum, Nickel and Zinc.
- [3] The post digestion spike for sample 70284451001 (PDS 1718390) did not meet acceptance criteria for Silver.
- [4] The serial dilution for sample 70284451001 (SD 1718391) did not meet acceptance criteria for Arsenic, Boron, Iron, Molybdenum, Nickel, Tin and Zinc.

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.
- IL This analyte exceeded secondary source verification criteria low for the initial calibration. The reported results should be considered an estimated value.
- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- N3 Accreditation is not offered by the relevant laboratory accrediting body for this parameter.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

ANALYTE QUALIFIERS

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.
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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 1/17

Pace Project No.: 70284451

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70284451001	SYS-EFF	EPA 200.7	334381	EPA 200.7	334407
70284451002	SYS-INF	EPA 200.7	334381	EPA 200.7	334407
70284451001	SYS-EFF	EPA 8260C/5030C	334471		
70284451002	SYS-INF	EPA 8260C/5030C	334471		
70284451001	SYS-EFF	SM22 4500-H+B	334660		
70284451002	SYS-INF	SM22 4500-H+B	334660		

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CHAIN-OF-CUSTODY Analytical Request Document

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

WO#: 70284451



70284451

[illegible]

WO#: 70284451

Client Name:

PWG

Project #

PM: DHB

Due Date: 01/31/24

CLIENT: PWG

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

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☒ No
Packing Material: ☐ Bubble Wrap ☒ Bubble Bags ☐ Ziplo ☐ Non ☐ Other Type of Ice: Wet Blue None

Thermometer Used: TH211 Correction Factor: +0.4 ☐ Samples on ice, cooling process has begun
Cooler Temperature (°C): 13 Cooler Temperature Corrected (°C): 1.7 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil ☒ N/A, water sample

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

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

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents:

AB 1/17/24

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested ☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☐ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	10.
Containers Intact: ☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests ☐ Yes ☐ No ☒ N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix: <u>SL</u> <u>WT</u> <u>OIL</u> <u>OTHER</u>	

Date and Initials of person checking preservation:

AB 1/17/24

All containers needing preservation have been ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # <u>U13623V</u>	Sample #
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A	
NAOH>12 Cyanide)	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water).	
Per Method, VOA pH is checked after analysis	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14.
KI starch test strips Lot #	
Residual chlorine strips Lot #	Positive for Res. Chlorine? Y N
SM 4500 CN samples checked for sul ☐ Yes ☐ No ☒ N/A	15.
Lead Acetate Strips Lot #	Positive for Sulfide? Y N
Headspace in VOA Vials (>6mm): ☐ Yes ☒ No ☐ N/A	16.
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	17.
Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A	

DATE AND INITIALS OF PERSON COMPLETING SECOND REVIEW: AB 1/17/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

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