



July 23, 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 Second 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. In May 2024, it was observed that the pump in the upper glacial well had been malfunctioning and required replacement. As such, monthly samples were not collected as arrangements were made for pump replacement. The new pump was installed in the upper glacial well on June 4, 2024.

Monthly GWE&T samples were collected on April 10, 2024 and June 14, 2024. Bi-annual SVE influent samples were collected on June 14, 2024. Analytical data report for the aforementioned sampling events is attached to this letter.

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





April 19, 2024

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

RE: Project: MINMILT MONTHLY 4/10
Pace Project No.: 70293700

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on April 10, 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 4/10

Pace Project No.: 70293700

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 4/10

Pace Project No.: 70293700

Sample: SYS-EFF		Lab ID: 70293700001		Collected: 04/10/24 08:45		Received: 04/10/24 09:45		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	2730	ug/L	100	1	04/11/24 07:57	04/11/24 15:50	7439-89-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/10/24 19:54	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	107-06-2		
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		04/10/24 19:54	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/10/24 19:54	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/10/24 19:54	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		04/10/24 19:54	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/10/24 19:54	108-10-1		
Acetone	<5.0	ug/L	5.0	1		04/10/24 19:54	67-64-1	v3	
Benzene	<0.70	ug/L	0.70	1		04/10/24 19:54	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		04/10/24 19:54	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		04/10/24 19:54	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		04/10/24 19:54	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		04/10/24 19:54	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/10/24 19:54	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		04/10/24 19:54	108-90-7	L1	
Chloroethane	<1.0	ug/L	1.0	1		04/10/24 19:54	75-00-3	v3	
Chloroform	<1.0	ug/L	1.0	1		04/10/24 19:54	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		04/10/24 19:54	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		04/10/24 19:54	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		04/10/24 19:54	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		04/10/24 19:54	75-09-2		
Styrene	<1.0	ug/L	1.0	1		04/10/24 19:54	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		04/10/24 19:54	127-18-4		
Toluene	<1.0	ug/L	1.0	1		04/10/24 19:54	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		04/10/24 19:54	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		04/10/24 19:54	75-01-4	v3	
Xylene (Total)	<3.0	ug/L	3.0	1		04/10/24 19:54	1330-20-7	LS	
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/10/24 19:54	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/10/24 19:54	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	102	%	80-120	1		04/10/24 19:54	17060-07-0		
4-Bromofluorobenzene (S)	98	%	80-120	1		04/10/24 19:54	460-00-4		
Toluene-d8 (S)	96	%	80-120	1		04/10/24 19:54	2037-26-5		
4500H+ pH, Electrometric									
Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville									
pH	7.6	Std. Units	0.10	1		04/18/24 16:33		H3,H6, N3	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

Sample: SYS-EFF		Lab ID: 70293700001		Collected: 04/10/24 08:45		Received: 04/10/24 09:45		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)	22.3	deg C	0.10	1		04/18/24 16:33		H3,H6	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

Sample: SYS-INF		Lab ID: 70293700002		Collected: 04/10/24 08:35		Received: 04/10/24 09:45		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	2980	ug/L	100	1	04/11/24 07:57	04/11/24 15:53	7439-89-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	79-00-5		
1,1-Dichloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		04/10/24 20:16	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	107-06-2		
1,2-Dichloroethene (Total)	384	ug/L	40.0	20		04/11/24 16:36	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		04/10/24 20:16	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		04/10/24 20:16	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		04/10/24 20:16	591-78-6		
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		04/10/24 20:16	108-10-1		
Acetone	<5.0	ug/L	5.0	1		04/10/24 20:16	67-64-1	v3	
Benzene	<0.70	ug/L	0.70	1		04/10/24 20:16	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		04/10/24 20:16	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		04/10/24 20:16	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		04/10/24 20:16	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		04/10/24 20:16	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		04/10/24 20:16	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		04/10/24 20:16	108-90-7	L1	
Chloroethane	<1.0	ug/L	1.0	1		04/10/24 20:16	75-00-3	v3	
Chloroform	1.1	ug/L	1.0	1		04/10/24 20:16	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		04/10/24 20:16	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		04/10/24 20:16	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		04/10/24 20:16	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		04/10/24 20:16	75-09-2		
Styrene	<1.0	ug/L	1.0	1		04/10/24 20:16	100-42-5		
Tetrachloroethene	820	ug/L	20.0	20		04/11/24 16:36	127-18-4		
Toluene	<1.0	ug/L	1.0	1		04/10/24 20:16	108-88-3		
Trichloroethene	91.7	ug/L	1.0	1		04/10/24 20:16	79-01-6		
Vinyl chloride	45.8	ug/L	1.0	1		04/10/24 20:16	75-01-4	v3	
Xylene (Total)	<3.0	ug/L	3.0	1		04/10/24 20:16	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/10/24 20:16	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		04/10/24 20:16	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	101	%	80-120	1		04/10/24 20:16	17060-07-0		
4-Bromofluorobenzene (S)	97	%	80-120	1		04/10/24 20:16	460-00-4		
Toluene-d8 (S)	95	%	80-120	1		04/10/24 20:16	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.4	Std. Units	0.10	1		04/18/24 15:45		H3,H6, N3	

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ANALYTICAL RESULTS

Project: MINMILT MONTHLY 4/10
Pace Project No.: 70293700

Sample: SYS-INF		Lab ID: 70293700002		Collected: 04/10/24 08:35		Received: 04/10/24 09:45		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)	22.5	deg C	0.10	1		04/18/24 15:45		H3,H6	

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

QC Batch:	343881	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: 70293700001, 70293700002

METHOD BLANK: 1774651 Matrix: Water

Associated Lab Samples: 70293700001, 70293700002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	04/11/24 14:24	

LABORATORY CONTROL SAMPLE: 1774652

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	12500	13000	104	85-115	

MATRIX SPIKE SAMPLE: 1774654

Parameter	Units	70293675006 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	925	5000	6090	103	70-130	

MATRIX SPIKE SAMPLE: 1774656

Parameter	Units	70293638001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	4970	99	70-130	

SAMPLE DUPLICATE: 1774653

Parameter	Units	70293675006 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	925	1010	9	

SAMPLE DUPLICATE: 1774655

Parameter	Units	70293638001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

QC Batch: 343804

Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70293700001, 70293700002

METHOD BLANK: 1774089

Matrix: Water

Associated Lab Samples: 70293700001, 70293700002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	04/10/24 16:05	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	04/10/24 16:05	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	04/10/24 16:05	
1,1-Dichloroethane	ug/L	<1.0	1.0	04/10/24 16:05	
1,1-Dichloroethene	ug/L	<1.0	1.0	04/10/24 16:05	
1,2-Dichloroethane	ug/L	<1.0	1.0	04/10/24 16:05	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	04/10/24 16:05	
1,2-Dichloropropane	ug/L	<1.0	1.0	04/10/24 16:05	
2-Butanone (MEK)	ug/L	<5.0	5.0	04/10/24 16:05	
2-Hexanone	ug/L	<5.0	5.0	04/10/24 16:05	
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	04/10/24 16:05	
Acetone	ug/L	<5.0	5.0	04/10/24 16:05	v3
Benzene	ug/L	<0.70	0.70	04/10/24 16:05	
Bromodichloromethane	ug/L	<1.0	1.0	04/10/24 16:05	
Bromoform	ug/L	<1.0	1.0	04/10/24 16:05	
Bromomethane	ug/L	<1.0	1.0	04/10/24 16:05	
Carbon disulfide	ug/L	<1.0	1.0	04/10/24 16:05	
Carbon tetrachloride	ug/L	<1.0	1.0	04/10/24 16:05	
Chlorobenzene	ug/L	<1.0	1.0	04/10/24 16:05	
Chloroethane	ug/L	<1.0	1.0	04/10/24 16:05	v3
Chloroform	ug/L	<1.0	1.0	04/10/24 16:05	
Chloromethane	ug/L	<1.0	1.0	04/10/24 16:05	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	04/10/24 16:05	
Dibromochloromethane	ug/L	<1.0	1.0	04/10/24 16:05	
Ethylbenzene	ug/L	<1.0	1.0	04/10/24 16:05	
Methylene Chloride	ug/L	<1.0	1.0	04/10/24 16:05	
Styrene	ug/L	<1.0	1.0	04/10/24 16:05	
Tetrachloroethene	ug/L	<1.0	1.0	04/10/24 16:05	
Toluene	ug/L	<1.0	1.0	04/10/24 16:05	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	04/10/24 16:05	
Trichloroethene	ug/L	<1.0	1.0	04/10/24 16:05	
Vinyl chloride	ug/L	<1.0	1.0	04/10/24 16:05	v3
Xylene (Total)	ug/L	<3.0	3.0	04/10/24 16:05	
1,2-Dichloroethane-d4 (S)	%	101	80-120	04/10/24 16:05	
4-Bromofluorobenzene (S)	%	99	80-120	04/10/24 16:05	
Toluene-d8 (S)	%	97	80-120	04/10/24 16:05	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

LABORATORY CONTROL SAMPLE: 1774090

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	52.8	106	72-122	
1,1,2,2-Tetrachloroethane	ug/L	50	40.0	80	71-118	
1,1,2-Trichloroethane	ug/L	50	51.0	102	83-122	
1,1-Dichloroethane	ug/L	50	46.6	93	72-131	
1,1-Dichloroethene	ug/L	50	44.8	90	71-128	
1,2-Dichloroethane	ug/L	50	47.9	96	74-118	
1,2-Dichloroethene (Total)	ug/L	100	93.1	93	70-131	
1,2-Dichloropropane	ug/L	50	53.2	106	75-121	
2-Butanone (MEK)	ug/L	50	46.4	93	43-175	
2-Hexanone	ug/L	50	42.0	84	55-141	
4-Methyl-2-pentanone (MIBK)	ug/L	50	41.4	83	64-131	
Acetone	ug/L	50	40.4	81	11-200 v3	
Benzene	ug/L	50	52.6	105	74-121	
Bromodichloromethane	ug/L	50	51.9	104	76-121	
Bromoform	ug/L	50	51.1	102	60-135	
Bromomethane	ug/L	50	41.2	82	10-200	
Carbon disulfide	ug/L	50	43.4	87	67-129	
Carbon tetrachloride	ug/L	50	48.8	98	69-129	
Chlorobenzene	ug/L	50	56.9	114	82-113 L1	
Chloroethane	ug/L	50	32.7	65	59-140 v3	
Chloroform	ug/L	50	47.4	95	78-126	
Chloromethane	ug/L	50	49.7	99	40-136	
cis-1,3-Dichloropropene	ug/L	50	52.6	105	71-127	
Dibromochloromethane	ug/L	50	53.7	107	70-125	
Ethylbenzene	ug/L	50	56.1	112	79-113	
Methylene Chloride	ug/L	50	43.8	88	70-127	
Styrene	ug/L	50	56.2	112	77-120	
Tetrachloroethene	ug/L	50	58.8	118	76-123	
Toluene	ug/L	50	53.3	107	82-118	
trans-1,3-Dichloropropene	ug/L	50	49.7	99	66-129	
Trichloroethene	ug/L	50	53.5	107	82-123	
Vinyl chloride	ug/L	50	42.3	85	51-144 v3	
Xylene (Total)	ug/L	150	169	113	81-112 LS	
1,2-Dichloroethane-d4 (S)	%			95	80-120	
4-Bromofluorobenzene (S)	%			104	80-120	
Toluene-d8 (S)	%			98	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1774934 1774935

Parameter	Units	70293700001 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	48.4	47.7	97	95	69-137	2	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	38.8	38.7	78	77	65-126	0	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	48.2	48.8	96	98	78-129	1	
1,1-Dichloroethane	ug/L	<1.0	50	50	45.0	43.1	90	86	74-136	4	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1774934 1774935											
Parameter	Units	70293700001		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	42.5	41.5	85	83	74-138	2
1,2-Dichloroethane	ug/L	<1.0	50	50	50	46.6	45.3	93	91	74-121	3
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	100	86.2	88.1	86	88	66-148	2
1,2-Dichloropropane	ug/L	<1.0	50	50	50	50.3	50.1	101	100	75-127	0
2-Butanone (MEK)	ug/L	<5.0	50	50	50	43.0	45.1	86	90	44-149	5
2-Hexanone	ug/L	<5.0	50	50	50	39.4	40.6	79	81	61-115	3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	42.2	43.9	84	88	67-120	4
Acetone	ug/L	<5.0	50	50	50	36.2	37.3	72	75	10-181	3 v3
Benzene	ug/L	<0.70	50	50	50	49.9	47.9	100	96	70-133	4
Bromodichloromethane	ug/L	<1.0	50	50	50	48.9	48.2	98	96	76-129	1
Bromoform	ug/L	<1.0	50	50	50	47.4	47.2	95	94	51-140	0
Bromomethane	ug/L	<1.0	50	50	50	36.6	40.5	73	81	10-200	10
Carbon disulfide	ug/L	<1.0	50	50	50	40.7	39.6	81	79	66-149	3
Carbon tetrachloride	ug/L	<1.0	50	50	50	47.6	45.6	95	91	59-146	4
Chlorobenzene	ug/L	<1.0	50	50	50	52.0	49.9	104	100	77-124	4
Chloroethane	ug/L	<1.0	50	50	50	31.0	30.2	62	60	56-158	3 v3
Chloroform	ug/L	<1.0	50	50	50	45.4	44.6	91	89	80-133	2
Chloromethane	ug/L	<1.0	50	50	50	45.6	45.6	91	91	37-146	0
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	49.0	48.1	98	96	64-137	2
Dibromochloromethane	ug/L	<1.0	50	50	50	49.8	48.8	100	98	65-132	2
Ethylbenzene	ug/L	<1.0	50	50	50	50.0	48.3	100	97	71-126	3
Methylene Chloride	ug/L	<1.0	50	50	50	42.4	41.2	85	82	73-132	3
Styrene	ug/L	<1.0	50	50	50	51.1	48.8	102	98	81-122	5
Tetrachloroethene	ug/L	<1.0	50	50	50	53.1	50.1	106	100	72-131	6
Toluene	ug/L	<1.0	50	50	50	49.6	48.3	99	97	72-135	3
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	46.5	46.9	93	94	59-138	1
Trichloroethene	ug/L	<1.0	50	50	50	50.5	49.4	101	99	79-137	2
Vinyl chloride	ug/L	<1.0	50	50	50	39.7	38.7	79	77	48-158	2 v3
Xylene (Total)	ug/L	<3.0	150	150	150	153	145	102	97	77-120	5
1,2-Dichloroethane-d4 (S)	%							96	97	80-120	
4-Bromofluorobenzene (S)	%							102	103	80-120	
Toluene-d8 (S)	%							98	96	80-120	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MONTHLY 4/10
Pace Project No.: 70293700

QC Batch:	344847	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: 70293700001, 70293700002			

SAMPLE DUPLICATE: 1780107

Parameter	Units	70293821001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	7.3	7.3	0	H3,H6,N3
Temperature, Water (C)	deg C	22.3	22.3	0	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 4/10

Pace Project No.: 70293700

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: 343905

- [1] The post digestion spike for sample 70293675006 (PDS 1774723) did not meet acceptance criteria for Silver and Sodium.
- [2] The serial dilution for sample 70293675006 (SD 1774724) did not meet acceptance criteria for Calcium, Iron, Magnesium, Manganese, Molybdenum, Sodium, Lead, Selenium and Silicon.
- [3] The post digestion spike for sample 70293638001 (PDS 1774725) did not meet acceptance criteria for Silver.
- [4] The serial dilution for sample 70293638001 (SD 1774726) did not meet acceptance criteria for Silver, Aluminum, Arsenic, Cobalt, Iron, Potassium, Molybdenum, Nickel, Nickel, Lead, Antimony, Selenium, Tin and Vanadium.

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.
- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- LS Analyte recovery in the laboratory control sample (LCS) 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.
- 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.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT MONTHLY 4/10

Pace Project No.: 70293700

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70293700001	SYS-EFF	EPA 200.7	343881	EPA 200.7	343905
70293700002	SYS-INF	EPA 200.7	343881	EPA 200.7	343905
70293700001	SYS-EFF	EPA 8260C/5030C	343804		
70293700002	SYS-INF	EPA 8260C/5030C	343804		
70293700001	SYS-EFF	SM22 4500-H+B	344847		
70293700002	SYS-INF	SM22 4500-H+B	344847		

REPORT OF LABORATORY ANALYSIS

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Company Name: P.W. Grosser Engineer & Hydrogeologist
Street Address: 630 Johnson Ave., Bohemia, NY 11716

Customer Project #: MINMILT MONTHLY

Site Collection Info/Facility ID (as applicable):

Time Zone Collected: [] AK [] PT [] MT [] CT [] ET

Data Deliverables:
[] Level II [] Level III [] Level IV
[] EQUIS
[] Other

Regulatory Program (DW, RCRA, etc.) as applicable: Reportable [] Yes [] No

Rush (Pre-approval required):
[] Same Day [] 1 Day [] 2 Day [] 3 Day [] Other

Date Results Requested:
Analysis: Field Filtered (if applicable): [] Yes [] No

* Matrix Codes (Insert in Matrix box below): Drinking Water (DW), Waste Water (WW), Product (P), Soil/Solid (SS), Oil (OL), Wipe (WP), Tissue (TS), Bioassay (B), Vapor (V), Surface Water (SW), Sediment (SED), Sludge (SL), Caulk (CK), Leachate (LL), Other (OT)

Customer Sample ID

Matrix * Comp / Grab

Composite Start Date Time

Collected or Composite End Date Time

Cont. Results Units

Res. Chlorine

WT

WT

WT

WT

WT

WT

WT

WT

WT

WT

WT

WT

WT

WT

CHAIN-OF-CUSTODY Analytical Request Document

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

Contact/Report To: Crosby, Kaitlyn
Phone #: (631)589-6353
E-Mail: kcrosby@pwgrosser.com

Invoice To: Ryan M @pwgrosser.com

Invoice E-Mail:

Purchase Order # (if applicable):

Quote #:

County / State origin of sample(s): New York

Identify Container Preservative Type***

Specify Container Size **

125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Proj. Mgr: Daniel Bonitto

AcctNum / Client ID:

Table #:

Profile / Template:

5392

Prelog / Bottle Ord. ID:

1092918

Sample Comment

200.7 ICP Metals

4500H+B pH

8260 Full List

Preservation non-conformance identified for

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: Rebecca Reagan

Signature: Rebecca Reagan

Date/Time: 4/10/24 9:25

Relinquished by/Company: (Signature)

Relinquished by/Company: (Signature)

Relinquished by/Company: (Signature)

Relinquished by/Company: (Signature)

Relinquished by/Company: (Signature)

Relinquished by/Company: (Signature)

LAB USE ONLY- Affix Workorder/Login Label Here

WO#: 70293700

70293700

Identify Container Preservative Type***

Specify Container Size **

125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 90mL, (10) Other

*** Preservative Types: (1) None, (2) HNO3, (3) H2SO4, (4) HCl, (5) NaOH, (6) Zn Acetate, (7) NaHSO4, (8) Sod. Thiosulfate, (9) Ascorbic Acid, (10) MeOH, (11) Other

Analysis Requested

Proj. Mgr:	Daniel Bonitto
AcctNum / Client ID:	
Table #:	
Profile / Template:	
5392	
Prelog / Bottle Ord. ID:	
1092918	
Sample Comment	

Customer Remarks / Special Conditions / Possible Hazards:

Coolers: 1

Thermometer ID: TH11

Correction Factor (°C): -0.7

Obs Temp (°C): 0.8

Corrected Temp (°C): 0.4

Tracking Number: 910129

Date/Time: 4/10/24

Delivered by: [] Person [] Courier [] FedEx [] UPS [] Other

Page: 1 of 1

WO#: 70293700

Client Name:

PWG

Project

PM: JMG

Due Date: 04/24/24

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): 0.8 Cooler Temperature Corrected (°C): 0.4 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:

WKL 4/10/24

	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:

ASF 4/10/24

All containers needing preservation have been ☒ Yes ☐ No ☐ N/A	13. ☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
pH paper Lot # 200623	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.
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:

WKL 4/10/24

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:



July 03, 2024

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

RE: Project: MINMILT 6/14
Pace Project No.: 70301642

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 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 National - Mt. Juliet

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

Sincerely,

A small, faint signature of Jack M. Germano.

Brianna D. Rivera for
Jack M. Germano
jack.germano@pacelabs.com
516-370-6012
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT 6/14

Pace Project No.: 70301642

Pace Analytical Services National

12065 Lebanon Road, Mt. Juliet, TN 37122

Alabama Certification #: 40660

Alaska Certification #: 17-026

Arizona Certification #: AZ0612

Arkansas Certification #: 88-0469

California Certification #: 2932

Canada Certification #: 1461.01

Colorado Certification #: TN00003

Connecticut Certification #: PH-0197

DOD Certification #: #1461.01

EPA# TN00003

Florida Certification #: E87487

Georgia DW Certification #: 923

Georgia Certification: NELAP

Idaho Certification #: TN00003

Illinois Certification #: 200008

Indiana Certification #: C-TN-01

Iowa Certification #: 364

Kansas Certification #: E-10277

Kentucky UST Certification #: 16

Kentucky Certification #: 90010

Louisiana Certification #: AI30792

Louisiana DW Certification #: LA180010

Maine Certification #: TN0002

Maryland Certification #: 324

Massachusetts Certification #: M-TN003

Michigan Certification #: 9958

Minnesota Certification #: 047-999-395

Mississippi Certification #: TN00003

Missouri Certification #: 340

Montana Certification #: CERT0086

Nebraska Certification #: NE-OS-15-05

Nevada Certification #: TN-03-2002-34

New Hampshire Certification #: 2975

New Jersey Certification #: TN002

New Mexico DW Certification

New York Certification #: 11742

North Carolina Aquatic Toxicity Certification #: 41

North Carolina Drinking Water Certification #: 21704

North Carolina Environmental Certificate #: 375

North Dakota Certification #: R-140

Ohio VAP Certification #: CL0069

Oklahoma Certification #: 9915

Oregon Certification #: TN200002

Pennsylvania Certification #: 68-02979

Rhode Island Certification #: LAO00356

South Carolina Certification #: 84004

South Dakota Certification

Tennessee DW/Chem/Micro Certification #: 2006

Texas Mold Certification #: LAB0152

Texas Certification #: T 104704245-17-14

USDA Soil Permit #: P330-15-00234

Utah Certification #: TN00003

Virginia Certification #: VT2006

Vermont Dept. of Health: ID# VT-2006

Virginia Certification #: 460132

Washington Certification #: C847

West Virginia Certification #: 233

Wisconsin Certification #: 998093910

Wyoming UST Certification #: via A2LA 2926.01

A2LA-ISO 17025 Certification #: 1461.01

A2LA-ISO 17025 Certification #: 1461.02

AIHA-LAP/LLC EMLAP Certification #:100789

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SAMPLE ANALYTE COUNT

Project: MINMILT 6/14

Pace Project No.: 70301642

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
70301642001	SVE-INF	TO-15	DAH, MNP	70	PAN

PAN = Pace National - Mt. Juliet

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT 6/14

Pace Project No.: 70301642

Sample: SVE-INF		Lab ID: 70301642001		Collected: 06/14/24 10:35		Received: 06/14/24 11:05		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
VOA (MS) TO-15		Analytical Method: TO-15 Preparation Method: TO-15							
Pace National - Mt. Juliet									
Acetone	<2.97	ug/m3	2.97	1	06/19/24 11:57	06/19/24 11:57	67-64-1	W4	
Allyl chloride	<0.626	ug/m3	0.626	1	06/19/24 11:57	06/19/24 11:57	107-05-1	W4	
Benzene	<0.639	ug/m3	0.639	1	06/19/24 11:57	06/19/24 11:57	71-43-2	W4	
Benzyl chloride	<1.04	ug/m3	1.04	1	06/19/24 11:57	06/19/24 11:57	100-44-7	W4	
Bromodichloromethane	<1.34	ug/m3	1.34	1	06/19/24 11:57	06/19/24 11:57	75-27-4	W4	
Bromoform	<6.21	ug/m3	6.21	1	06/19/24 11:57	06/19/24 11:57	75-25-2	W4	
Bromomethane	<0.776	ug/m3	0.776	1	06/19/24 11:57	06/19/24 11:57	74-83-9	W4	
1,3-Butadiene	<4.43	ug/m3	4.43	1	06/19/24 11:57	06/19/24 11:57	106-99-0	W4	
Carbon disulfide	<1.24	ug/m3	1.24	1	06/19/24 11:57	06/19/24 11:57	75-15-0	W4	
Carbon tetrachloride	<1.26	ug/m3	1.26	1	06/19/24 11:57	06/19/24 11:57	56-23-5	W4	
Chlorobenzene	<0.924	ug/m3	0.924	1	06/19/24 11:57	06/19/24 11:57	108-90-7	W4	
Chloroethane	<0.528	ug/m3	0.528	1	06/19/24 11:57	06/19/24 11:57	75-00-3	W4	
Chloroform	<0.973	ug/m3	0.973	1	06/19/24 11:57	06/19/24 11:57	67-66-3	W4	
Chloromethane	0.892	ug/m3	0.413	1	06/19/24 11:57	06/19/24 11:57	74-87-3	W4	
2-Chlorotoluene	<1.03	ug/m3	1.03	1	06/19/24 11:57	06/19/24 11:57	95-49-8	W4	
Cyclohexane	<0.689	ug/m3	0.689	1	06/19/24 11:57	06/19/24 11:57	110-82-7	W4	
Dibromochloromethane	<1.70	ug/m3	1.70	1	06/19/24 11:57	06/19/24 11:57	124-48-1	W4	
1,2-Dibromoethane (EDB)	<1.54	ug/m3	1.54	1	06/19/24 11:57	06/19/24 11:57	106-93-4	W4	
1,2-Dichlorobenzene	<1.20	ug/m3	1.20	1	06/19/24 11:57	06/19/24 11:57	95-50-1	W4	
1,3-Dichlorobenzene	<1.20	ug/m3	1.20	1	06/19/24 11:57	06/19/24 11:57	541-73-1	W4	
1,4-Dichlorobenzene	<1.20	ug/m3	1.20	1	06/19/24 11:57	06/19/24 11:57	106-46-7	W4	
1,2-Dichloroethane	14.1	ug/m3	0.810	1	06/19/24 11:57	06/19/24 11:57	107-06-2	W4	
1,1-Dichloroethane	10.3	ug/m3	0.802	1	06/19/24 11:57	06/19/24 11:57	75-34-3	W4	
1,1-Dichloroethene	<0.793	ug/m3	0.793	1	06/19/24 11:57	06/19/24 11:57	75-35-4	W4	
cis-1,2-Dichloroethene	132	ug/m3	0.793	1	06/19/24 11:57	06/19/24 11:57	156-59-2	W4	
trans-1,2-Dichloroethene	3.26	ug/m3	0.793	1	06/19/24 11:57	06/19/24 11:57	156-60-5	W4	
1,2-Dichloropropane	<0.924	ug/m3	0.924	1	06/19/24 11:57	06/19/24 11:57	78-87-5	W4	
cis-1,3-Dichloropropene	<0.908	ug/m3	0.908	1	06/19/24 11:57	06/19/24 11:57	10061-01-5	W4	
trans-1,3-Dichloropropene	<0.908	ug/m3	0.908	1	06/19/24 11:57	06/19/24 11:57	10061-02-6	W4	
1,4-Dioxane (p-Dioxane)	<2.27	ug/m3	2.27	1	06/19/24 11:57	06/19/24 11:57	123-91-1	W4	
Ethanol	12.1	ug/m3	4.71	1	06/19/24 11:57	06/19/24 11:57	64-17-5	W4	
Ethylbenzene	<0.867	ug/m3	0.867	1	06/19/24 11:57	06/19/24 11:57	100-41-4	W4	
4-Ethyltoluene	<0.982	ug/m3	0.982	1	06/19/24 11:57	06/19/24 11:57	622-96-8	W4	
Trichlorofluoromethane	1.89	ug/m3	1.12	1	06/19/24 11:57	06/19/24 11:57	75-69-4	W4	
Dichlorodifluoromethane	5.98	ug/m3	0.989	1	06/19/24 11:57	06/19/24 11:57	75-71-8	W4	
1,1,2-Trichlorotrifluoroethane	<1.53	ug/m3	1.53	1	06/19/24 11:57	06/19/24 11:57	76-13-1	W4	
Dichlorotetrafluoroethane	<1.40	ug/m3	1.40	1	06/19/24 11:57	06/19/24 11:57	76-14-2	W4	
n-Heptane	<0.818	ug/m3	0.818	1	06/19/24 11:57	06/19/24 11:57	142-82-5	W4	
Hexachloro-1,3-butadiene	<6.73	ug/m3	6.73	1	06/19/24 11:57	06/19/24 11:57	87-68-3	W4	
n-Hexane	<2.22	ug/m3	2.22	1	06/19/24 11:57	06/19/24 11:57	110-54-3	W4	
Isopropylbenzene (Cumene)	<0.983	ug/m3	0.983	1	06/19/24 11:57	06/19/24 11:57	98-82-8	W4	
Methylene Chloride	13.0	ug/m3	0.694	1	06/19/24 11:57	06/19/24 11:57	75-09-2	W4	
2-Hexanone	<5.11	ug/m3	5.11	1	06/19/24 11:57	06/19/24 11:57	591-78-6	W4	
2-Butanone (MEK)	<3.69	ug/m3	3.69	1	06/19/24 11:57	06/19/24 11:57	78-93-3	W4	
4-Methyl-2-pentanone (MIBK)	<5.12	ug/m3	5.12	1	06/19/24 11:57	06/19/24 11:57	108-10-1	W4	
Methyl methacrylate	<0.819	ug/m3	0.819	1	06/19/24 11:57	06/19/24 11:57	80-62-6	W4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT 6/14

Pace Project No.: 70301642

Sample: SVE-INF		Lab ID: 70301642001		Collected: 06/14/24 10:35		Received: 06/14/24 11:05		Matrix: Air	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
VOA (MS) TO-15		Analytical Method: TO-15 Preparation Method: TO-15 Pace National - Mt. Juliet							
Methyl-tert-butyl ether	<0.721	ug/m3	0.721	1	06/19/24 11:57	06/19/24 11:57	1634-04-4	W4	
Naphthalene	<3.30	ug/m3	3.30	1	06/19/24 11:57	06/19/24 11:57	91-20-3	W4	
2-Propanol	81.4	ug/m3	3.07	1	06/19/24 11:57	06/19/24 11:57	67-63-0	W4	
Propylene	14.5	ug/m3	2.15	1	06/19/24 11:57	06/19/24 11:57	115-07-1	W4	
Styrene	<1.70	ug/m3	1.70	1	06/19/24 11:57	06/19/24 11:57	100-42-5	W4	
1,1,2,2-Tetrachloroethane	<1.37	ug/m3	1.37	1	06/19/24 11:57	06/19/24 11:57	79-34-5	W4	
Tetrachloroethene	849	ug/m3	13.6	10	06/19/24 16:32	06/19/24 16:32	127-18-4	W4	
Tetrahydrofuran	<0.590	ug/m3	0.590	1	06/19/24 11:57	06/19/24 11:57	109-99-9	W4	
Toluene	3.18	ug/m3	1.88	1	06/19/24 11:57	06/19/24 11:57	108-88-3	W4	
1,2,4-Trichlorobenzene	<4.66	ug/m3	4.66	1	06/19/24 11:57	06/19/24 11:57	120-82-1	W4	
1,1,1-Trichloroethane	3.82	ug/m3	1.09	1	06/19/24 11:57	06/19/24 11:57	71-55-6	W4	
1,1,2-Trichloroethane	<1.09	ug/m3	1.09	1	06/19/24 11:57	06/19/24 11:57	79-00-5	W4	
Trichloroethene	54.7	ug/m3	1.07	1	06/19/24 11:57	06/19/24 11:57	79-01-6	W4	
1,2,4-Trimethylbenzene	<0.982	ug/m3	0.982	1	06/19/24 11:57	06/19/24 11:57	95-63-6	W4	
1,3,5-Trimethylbenzene	<0.982	ug/m3	0.982	1	06/19/24 11:57	06/19/24 11:57	108-67-8	W4	
2,2,4-Trimethylpentane	<0.934	ug/m3	0.934	1	06/19/24 11:57	06/19/24 11:57	540-84-1	W4	
Vinyl chloride	1.44	ug/m3	0.511	1	06/19/24 11:57	06/19/24 11:57	75-01-4	W4	
Vinyl bromide	<0.875	ug/m3	0.875	1	06/19/24 11:57	06/19/24 11:57	593-60-2	W4	
Vinyl acetate	<2.22	ug/m3	2.22	1	06/19/24 11:57	06/19/24 11:57	108-05-4	W4	
Xylene (Total)	<2.61	ug/m3	2.61	1	06/19/24 11:57	06/19/24 11:57	1330-20-7	W4	
m&p-Xylene	<1.73	ug/m3	1.73	1	06/19/24 11:57	06/19/24 11:57	179601-23-1	W4	
o-Xylene	<0.867	ug/m3	0.867	1	06/19/24 11:57	06/19/24 11:57	95-47-6	W4	
Gasoline Range Organics	1010	ug/m3	826	1	06/19/24 11:57	06/19/24 11:57		W4	
Surrogates									
4-Bromofluorobenzene (S)	97.4	%	60.0-140	1	06/19/24 11:57	06/19/24 11:57	460-00-4		
4-Bromofluorobenzene (S)	99.3	%	60.0-140	10	06/19/24 16:32	06/19/24 16:32	460-00-4		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT 6/14

Pace Project No.: 70301642

QC Batch: 2307984

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: VOA (MS) TO-15

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 70301642001

METHOD BLANK: R4083805-3

Matrix: Air

Associated Lab Samples: 70301642001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Acetone	ppbv	<1.25	1.25	06/19/24 09:43	
Allyl chloride	ppbv	<0.200	0.200	06/19/24 09:43	
Benzene	ppbv	<0.200	0.200	06/19/24 09:43	
Benzyl chloride	ppbv	<0.200	0.200	06/19/24 09:43	
Bromodichloromethane	ppbv	<0.200	0.200	06/19/24 09:43	
Bromoform	ppbv	<0.600	0.600	06/19/24 09:43	
Bromomethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,3-Butadiene	ppbv	<2.00	2.00	06/19/24 09:43	
Carbon disulfide	ppbv	<0.400	0.400	06/19/24 09:43	
Carbon tetrachloride	ppbv	<0.200	0.200	06/19/24 09:43	
Chlorobenzene	ppbv	<0.200	0.200	06/19/24 09:43	
Chloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
Chloroform	ppbv	<0.200	0.200	06/19/24 09:43	
Chloromethane	ppbv	<0.200	0.200	06/19/24 09:43	
2-Chlorotoluene	ppbv	<0.200	0.200	06/19/24 09:43	
Cyclohexane	ppbv	<0.200	0.200	06/19/24 09:43	
Dibromochloromethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,2-Dibromoethane (EDB)	ppbv	<0.200	0.200	06/19/24 09:43	
1,2-Dichlorobenzene	ppbv	<0.200	0.200	06/19/24 09:43	
1,3-Dichlorobenzene	ppbv	<0.200	0.200	06/19/24 09:43	
1,4-Dichlorobenzene	ppbv	<0.200	0.200	06/19/24 09:43	
1,2-Dichloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,1-Dichloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,1-Dichloroethene	ppbv	<0.200	0.200	06/19/24 09:43	
cis-1,2-Dichloroethene	ppbv	<0.200	0.200	06/19/24 09:43	
trans-1,2-Dichloroethene	ppbv	<0.200	0.200	06/19/24 09:43	
1,2-Dichloropropane	ppbv	<0.200	0.200	06/19/24 09:43	
cis-1,3-Dichloropropene	ppbv	<0.200	0.200	06/19/24 09:43	
trans-1,3-Dichloropropene	ppbv	<0.200	0.200	06/19/24 09:43	
1,4-Dioxane (p-Dioxane)	ppbv	<0.630	0.630	06/19/24 09:43	
Ethanol	ppbv	<2.50	2.50	06/19/24 09:43	
Ethylbenzene	ppbv	<0.200	0.200	06/19/24 09:43	
4-Ethyltoluene	ppbv	<0.200	0.200	06/19/24 09:43	
Trichlorofluoromethane	ppbv	<0.200	0.200	06/19/24 09:43	
Dichlorodifluoromethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,1,2-Trichlorotrifluoroethane	ppbv	<0.200	0.200	06/19/24 09:43	
Dichlorotetrafluoroethane	ppbv	<0.200	0.200	06/19/24 09:43	
n-Heptane	ppbv	<0.200	0.200	06/19/24 09:43	
Hexachloro-1,3-butadiene	ppbv	<0.630	0.630	06/19/24 09:43	
n-Hexane	ppbv	<0.630	0.630	06/19/24 09:43	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT 6/14

Pace Project No.: 70301642

METHOD BLANK: R4083805-3

Matrix: Air

Associated Lab Samples: 70301642001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Isopropylbenzene (Cumene)	ppbv	<0.200	0.200	06/19/24 09:43	
Methylene Chloride	ppbv	<0.200	0.200	06/19/24 09:43	
2-Hexanone	ppbv	<1.25	1.25	06/19/24 09:43	
2-Butanone (MEK)	ppbv	<1.25	1.25	06/19/24 09:43	
4-Methyl-2-pentanone (MIBK)	ppbv	<1.25	1.25	06/19/24 09:43	
Methyl methacrylate	ppbv	<0.200	0.200	06/19/24 09:43	
Methyl-tert-butyl ether	ppbv	<0.200	0.200	06/19/24 09:43	
Naphthalene	ppbv	<0.630	0.630	06/19/24 09:43	
2-Propanol	ppbv	<1.25	1.25	06/19/24 09:43	
Propylene	ppbv	<1.25	1.25	06/19/24 09:43	
Styrene	ppbv	<0.400	0.400	06/19/24 09:43	
1,1,2,2-Tetrachloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
Tetrahydrofuran	ppbv	<0.200	0.200	06/19/24 09:43	
Toluene	ppbv	<0.500	0.500	06/19/24 09:43	
1,2,4-Trichlorobenzene	ppbv	<0.630	0.630	06/19/24 09:43	
1,1,1-Trichloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
1,1,2-Trichloroethane	ppbv	<0.200	0.200	06/19/24 09:43	
Trichloroethene	ppbv	<0.200	0.200	06/19/24 09:43	
1,2,4-Trimethylbenzene	ppbv	<0.200	0.200	06/19/24 09:43	
1,3,5-Trimethylbenzene	ppbv	<0.200	0.200	06/19/24 09:43	
2,2,4-Trimethylpentane	ppbv	<0.200	0.200	06/19/24 09:43	
Vinyl chloride	ppbv	<0.200	0.200	06/19/24 09:43	
Vinyl bromide	ppbv	<0.200	0.200	06/19/24 09:43	
Vinyl acetate	ppbv	<0.630	0.630	06/19/24 09:43	
Xylene (Total)	ppbv	<0.600	0.600	06/19/24 09:43	
m&p-Xylene	ppbv	<0.400	0.400	06/19/24 09:43	
o-Xylene	ppbv	<0.200	0.200	06/19/24 09:43	
Gasoline Range Organics	ppbv	<200	200	06/19/24 09:43	
4-Bromofluorobenzene (S)	%	97.3	60.0-140	06/19/24 09:43	

LABORATORY CONTROL SAMPLE & LCSD: R4083805-1

R4083805-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Acetone	ppbv	3.75	3.72	3.87	99.2	103	70.0-130	3.95	25	
Allyl chloride	ppbv	3.75	3.87	4.04	103	108	70.0-130	4.30	25	
Benzene	ppbv	3.75	3.99	3.99	106	106	70.0-130	0.00	25	
Benzyl chloride	ppbv	3.75	4.27	4.29	114	114	70.0-152	0.467	25	
Bromodichloromethane	ppbv	3.75	4.05	4.09	108	109	70.0-130	0.983	25	
Bromoform	ppbv	3.75	4.10	4.15	109	111	70.0-130	1.21	25	
Bromomethane	ppbv	3.75	4.10	4.22	109	113	70.0-130	2.88	25	
1,3-Butadiene	ppbv	3.75	3.91	4.07	104	109	70.0-130	4.01	25	
Carbon disulfide	ppbv	7.50	8.12	8.21	108	109	70.0-130	1.10	25	
Carbon tetrachloride	ppbv	3.75	4.01	4.00	107	107	70.0-130	0.250	25	
Chlorobenzene	ppbv	3.75	4.04	4.09	108	109	70.0-130	1.23	25	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT 6/14

Pace Project No.: 70301642

LABORATORY CONTROL SAMPLE & LCSD: R4083805-1			R4083805-2				% Rec Limits	RPD	Max RPD	Qualifiers
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec				
Chloroethane	ppbv	3.75	4.12	4.19	110	112	70.0-130	1.68	25	
Chloroform	ppbv	3.75	4.02	4.07	107	109	70.0-130	1.24	25	
Chloromethane	ppbv	3.75	3.94	4.09	105	109	70.0-130	3.74	25	
2-Chlorotoluene	ppbv	3.75	3.98	4.08	106	109	70.0-130	2.48	25	
Cyclohexane	ppbv	3.75	4.00	4.08	107	109	70.0-130	1.98	25	
Dibromochloromethane	ppbv	3.75	4.05	4.13	108	110	70.0-130	1.96	25	
1,2-Dibromoethane (EDB)	ppbv	3.75	4.05	4.10	108	109	70.0-130	1.23	25	
1,2-Dichlorobenzene	ppbv	3.75	4.17	4.21	111	112	70.0-130	0.955	25	
1,3-Dichlorobenzene	ppbv	3.75	4.14	4.21	110	112	70.0-130	1.68	25	
1,4-Dichlorobenzene	ppbv	3.75	4.18	4.19	111	112	70.0-130	0.239	25	
1,2-Dichloroethane	ppbv	3.75	3.98	4.00	106	107	70.0-130	0.501	25	
1,1-Dichloroethane	ppbv	3.75	3.92	4.00	105	107	70.0-130	2.02	25	
1,1-Dichloroethene	ppbv	3.75	3.95	3.99	105	106	70.0-130	1.01	25	
cis-1,2-Dichloroethene	ppbv	3.75	3.97	4.03	106	107	70.0-130	1.50	25	
trans-1,2-Dichloroethene	ppbv	3.75	4.00	4.03	107	107	70.0-130	0.747	25	
1,2-Dichloropropane	ppbv	3.75	3.95	3.98	105	106	70.0-130	0.757	25	
cis-1,3-Dichloropropene	ppbv	3.75	3.98	3.99	106	106	70.0-130	0.251	25	
trans-1,3-Dichloropropene	ppbv	3.75	3.98	3.97	106	106	70.0-130	0.252	25	
1,4-Dioxane (p-Dioxane)	ppbv	3.75	3.92	3.96	105	106	70.0-140	1.02	25	
Ethanol	ppbv	3.75	3.54	3.64	94.4	97.1	55.0-148	2.79	25	
Ethylbenzene	ppbv	3.75	4.04	4.07	108	109	70.0-130	0.740	25	
4-Ethyltoluene	ppbv	3.75	4.08	4.14	109	110	70.0-130	1.46	25	
Trichlorofluoromethane	ppbv	3.75	3.99	4.08	106	109	70.0-130	2.23	25	
Dichlorodifluoromethane	ppbv	3.75	4.09	4.14	109	110	64.0-139	1.22	25	
1,1,2-Trichlorotrifluoroethane	ppbv	3.75	4.03	4.06	107	108	70.0-130	0.742	25	
Dichlorotetrafluoroethane	ppbv	3.75	3.98	4.06	106	108	70.0-130	1.99	25	
n-Heptane	ppbv	3.75	3.91	4.02	104	107	70.0-130	2.77	25	
Hexachloro-1,3-butadiene	ppbv	3.75	3.98	4.03	106	107	70.0-151	1.25	25	
n-Hexane	ppbv	3.75	3.97	4.00	106	107	70.0-130	0.753	25	
Isopropylbenzene (Cumene)	ppbv	3.75	4.03	4.14	107	110	70.0-130	2.69	25	
Methylene Chloride	ppbv	3.75	3.79	3.87	101	103	70.0-130	2.09	25	
2-Hexanone	ppbv	3.75	4.02	4.03	107	107	70.0-149	0.248	25	
2-Butanone (MEK)	ppbv	3.75	4.01	4.11	107	110	70.0-130	2.46	25	
4-Methyl-2-pentanone (MIBK)	ppbv	3.75	3.94	4.01	105	107	70.0-139	1.76	25	
Methyl methacrylate	ppbv	3.75	3.95	3.90	105	104	70.0-130	1.27	25	
Methyl-tert-butyl ether	ppbv	3.75	3.96	4.07	106	109	70.0-130	2.74	25	
Naphthalene	ppbv	3.75	4.29	4.29	114	114	70.0-159	0.00	25	
2-Propanol	ppbv	3.75	3.76	3.84	100	102	70.0-139	2.11	25	
Propylene	ppbv	3.75	3.88	3.95	103	105	64.0-144	1.79	25	
Styrene	ppbv	7.50	8.26	8.42	110	112	70.0-130	1.92	25	
1,1,2,2-Tetrachloroethane	ppbv	3.75	4.02	4.06	107	108	70.0-130	0.990	25	
Tetrahydrofuran	ppbv	3.75	3.89	4.03	104	107	70.0-137	3.54	25	
Toluene	ppbv	3.75	4.00	4.03	107	107	70.0-130	0.747	25	
1,2,4-Trichlorobenzene	ppbv	3.75	3.88	3.89	103	104	70.0-160	0.257	25	
1,1,1-Trichloroethane	ppbv	3.75	3.97	4.03	106	107	70.0-130	1.50	25	
1,1,2-Trichloroethane	ppbv	3.75	3.99	4.02	106	107	70.0-130	0.749	25	
Trichloroethene	ppbv	3.75	3.98	4.04	106	108	70.0-130	1.50	25	

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QUALITY CONTROL DATA

Project: MINMILT 6/14

Pace Project No.: 70301642

LABORATORY CONTROL SAMPLE & LCSD: R4083805-1			R4083805-2							
Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2,4-Trimethylbenzene	ppbv	3.75	4.08	4.11	109	110	70.0-130	0.733	25	
1,3,5-Trimethylbenzene	ppbv	3.75	4.08	4.12	109	110	70.0-130	0.976	25	
2,2,4-Trimethylpentane	ppbv	3.75	4.00	4.04	107	108	70.0-130	0.995	25	
Vinyl chloride	ppbv	3.75	4.03	4.14	107	110	70.0-130	2.69	25	
Vinyl bromide	ppbv	3.75	4.10	4.16	109	111	70.0-130	1.45	25	
Vinyl acetate	ppbv	3.75	3.78	3.81	101	102	70.0-130	0.791	25	
Xylene (Total)	ppbv	11.3	12.0	12.3	106	109	70.0-130	2.47	25	
m&p-Xylene	ppbv	7.50	8.03	8.21	107	109	70.0-130	2.22	25	
o-Xylene	ppbv	3.75	3.99	4.08	106	109	70.0-130	2.23	25	
Gasoline Range Organics	ppbv	188	191	193	102	103	70.0-130	1.04	25	
4-Bromofluorobenzene (S)	%				99.6	101	60.0-140			

SAMPLE DUPLICATE: R4083805-4

Parameter	Units	L1748093-02 Result	Dup Result	RPD	Qualifiers
Acetone	ppbv	2.97	2.99	0.671	
Allyl chloride	ppbv	ND	<0.200	0.00	
Benzene	ppbv	ND	<0.200	0.00	
Benzyl chloride	ppbv	ND	<0.200	0.00	
Bromodichloromethane	ppbv	ND	<0.200	0.00	
Bromoform	ppbv	ND	<0.600	0.00	
Bromomethane	ppbv	ND	<0.200	0.00	
1,3-Butadiene	ppbv	ND	<2.00	0.00	
Carbon disulfide	ppbv	ND	<0.400	0.00	
Carbon tetrachloride	ppbv	ND	<0.200	0.00	
Chlorobenzene	ppbv	ND	<0.200	0.00	
Chloroethane	ppbv	ND	<0.200	0.00	
Chloroform	ppbv	ND	<0.200	0.00	
Chloromethane	ppbv	0.579	0.584	0.860	
2-Chlorotoluene	ppbv	ND	<0.200	0.00	
Cyclohexane	ppbv	ND	<0.200	0.00	
Dibromochloromethane	ppbv	ND	<0.200	0.00	
1,2-Dibromoethane (EDB)	ppbv	ND	<0.200	0.00	
1,2-Dichlorobenzene	ppbv	ND	<0.200	0.00	
1,3-Dichlorobenzene	ppbv	ND	<0.200	0.00	
1,4-Dichlorobenzene	ppbv	ND	<0.200	0.00	
1,2-Dichloroethane	ppbv	ND	<0.200	0.00	
1,1-Dichloroethane	ppbv	ND	<0.200	0.00	
1,1-Dichloroethene	ppbv	ND	<0.200	0.00	
cis-1,2-Dichloroethene	ppbv	ND	<0.200	0.00	
trans-1,2-Dichloroethene	ppbv	6.59	6.58	0.152	
1,2-Dichloropropane	ppbv	ND	<0.200	0.00	
cis-1,3-Dichloropropene	ppbv	ND	<0.200	0.00	
trans-1,3-Dichloropropene	ppbv	ND	<0.200	0.00	
1,4-Dioxane (p-Dioxane)	ppbv	ND	<0.630	0.00	

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: MINMILT 6/14

Pace Project No.: 70301642

SAMPLE DUPLICATE: R4083805-4

Parameter	Units	L1748093-02 Result	Dup Result	RPD	Qualifiers
Ethanol	ppbv	ND	<2.50	4.44	
Ethylbenzene	ppbv	ND	<0.200	0.00	
4-Ethyltoluene	ppbv	ND	<0.200	200	D8
Trichlorofluoromethane	ppbv	0.220	0.218	0.913	
Dichlorodifluoromethane	ppbv	0.509	0.501	1.58	
1,1,2-Trichlorotrifluoroethane	ppbv	ND	<0.200	0.00	
Dichlorotetrafluoroethane	ppbv	ND	<0.200	0.00	
n-Heptane	ppbv	ND	<0.200	0.00	
Hexachloro-1,3-butadiene	ppbv	ND	<0.630	0.00	
n-Hexane	ppbv	ND	<0.630	0.00	
Isopropylbenzene (Cumene)	ppbv	ND	<0.200	0.00	
Methylene Chloride	ppbv	0.226	0.231	2.19	
2-Hexanone	ppbv	ND	<1.25	0.00	
2-Butanone (MEK)	ppbv	ND	<1.25	0.00	
4-Methyl-2-pentanone (MIBK)	ppbv	ND	<1.25	0.00	
Methyl methacrylate	ppbv	ND	<0.200	0.00	
Methyl-tert-butyl ether	ppbv	ND	<0.200	0.00	
Naphthalene	ppbv	ND	<0.630	0.00	
2-Propanol	ppbv	ND	<1.25	0.00	
Propylene	ppbv	ND	<1.25	0.00	
Styrene	ppbv	ND	<0.400	0.00	
1,1,2,2-Tetrachloroethane	ppbv	ND	<0.200	0.00	
Tetrahydrofuran	ppbv	ND	<0.200	0.00	
Toluene	ppbv	ND	<0.500	0.00	
1,2,4-Trichlorobenzene	ppbv	ND	<0.630	0.00	
1,1,1-Trichloroethane	ppbv	ND	<0.200	0.00	
1,1,2-Trichloroethane	ppbv	ND	<0.200	0.00	
Trichloroethene	ppbv	0.438	0.446	1.81	
1,2,4-Trimethylbenzene	ppbv	ND	<0.200	65.5	D8
1,3,5-Trimethylbenzene	ppbv	ND	<0.200	0.00	
2,2,4-Trimethylpentane	ppbv	ND	<0.200	0.00	
Vinyl chloride	ppbv	ND	<0.200	0.00	
Vinyl bromide	ppbv	ND	<0.200	0.00	
Vinyl acetate	ppbv	ND	<0.630	0.00	
Xylene (Total)	ppbv	ND	<0.600	0.00	
m&p-Xylene	ppbv	ND	<0.400	0.00	
o-Xylene	ppbv	ND	<0.200	0.00	
Gasoline Range Organics	ppbv	ND	<200	200	D8
4-Bromofluorobenzene (S)	%		99		

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QUALITY CONTROL DATA

Project: MINMILT 6/14

Pace Project No.: 70301642

QC Batch: 2308392

Analysis Method: TO-15

QC Batch Method: TO-15

Analysis Description: VOA (MS) TO-15

Laboratory: Pace National - Mt. Juliet

Associated Lab Samples: 70301642001

METHOD BLANK: R4084266-3

Matrix: Air

Associated Lab Samples: 70301642001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Tetrachloroethene	ppbv	<0.200	0.200	06/19/24 10:20	
4-Bromofluorobenzene (S)	%	98.3	60.0-140	06/19/24 10:20	

LABORATORY CONTROL SAMPLE & LCSD: R4084266-1

R4084266-2

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Tetrachloroethene	ppbv	3.75	4.21	3.60	112	96.0	70.0-130	15.6	25	
4-Bromofluorobenzene (S)	%				100	101	60.0-140			

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QUALIFIERS

Project: MINMILT 6/14
Pace Project No.: 70301642

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

D8	The sample and duplicate results for this parameter are less than 5 times the reporting limit, the RPD may not be statistically valid.
W4	Sample received in tedlar bag.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: MINMILT 6/14
Pace Project No.: 70301642

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70301642001	SVE-INF	TO-15	2307984	TO-15	2307984
70301642001	SVE-INF	TO-15	2308392	TO-15	2308392

REPORT OF LABORATORY ANALYSIS



9780301642000

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>

WO#: 70301642

PM: JMG

Due Date: 05/28/24

CLIENT: PWG

Client Name:

PWG

Project #

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☐ Pace ☐ 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 ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TF211 Correction Factor: -0.1 ☐ Samples on ice, cooling process has begun
Cooler Temperature (°C): 3.7 Cooler Temperature Corrected (°C): 3.6 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: AS 6/14/24

	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:

All containers needing preservation have been pH paper Lot #	13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
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)	Sample #	
Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	Initial when completed:	Lot # of added preservative: Date/Time preservative added:
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	14.	
KI starch test strips Lot #	Positive for Res. Chlorine?	Y N
Residual chlorine strips Lot #	15.	
SM 4500 CN samples checked for sulf ☐ Yes ☐ No ☒ N/A	Positive for Sulfide?	Y N
Lead Acetate Strips Lot #	16.	
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	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		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.



June 28, 2024

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

RE: Project: MINMILT MIN 1001 6/14
Pace Project No.: 70301678

Dear Kaitlyn Crosby:

Enclosed are the analytical results for sample(s) received by the laboratory on June 14, 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 small, faint signature of Jack M. Germano.

Brianna D. Rivera for
Jack M. Germano
jack.germano@pacelabs.com
516-370-6012
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

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 MIN 1001 6/14

Pace Project No.: 70301678

Sample: MAG		Lab ID: 70301678001		Collected: 06/14/24 09:45		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	255	ug/L	100	1	06/18/24 05:05	06/19/24 16:01	7439-89-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/24 22:53	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	107-06-2		
1,2-Dichloroethene (Total)	129	ug/L	2.0	1		06/17/24 22:53	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/24 22:53	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/17/24 22:53	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		06/17/24 22:53	591-78-6	v3	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/17/24 22:53	108-10-1		
Acetone	<5.0	ug/L	5.0	1		06/17/24 22:53	67-64-1	v3	
Benzene	<0.70	ug/L	0.70	1		06/17/24 22:53	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/24 22:53	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/17/24 22:53	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/17/24 22:53	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		06/17/24 22:53	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/24 22:53	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/24 22:53	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/17/24 22:53	75-00-3		
Chloroform	1.1	ug/L	1.0	1		06/17/24 22:53	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/17/24 22:53	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/24 22:53	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/24 22:53	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/24 22:53	75-09-2		
Styrene	<1.0	ug/L	1.0	1		06/17/24 22:53	100-42-5		
Tetrachloroethene	943	ug/L	5.0	5		06/18/24 13:40	127-18-4	L2	
Toluene	<1.0	ug/L	1.0	1		06/17/24 22:53	108-88-3		
Trichloroethene	21.9	ug/L	1.0	1		06/17/24 22:53	79-01-6		
Vinyl chloride	5.9	ug/L	1.0	1		06/17/24 22:53	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		06/17/24 22:53	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 22:53	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 22:53	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	109	%	80-120	1		06/17/24 22:53	17060-07-0		
4-Bromofluorobenzene (S)	108	%	80-120	1		06/17/24 22:53	460-00-4		
Toluene-d8 (S)	109	%	80-120	1		06/17/24 22:53	2037-26-5		
4500H+ pH, Electrometric									
Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville									
pH	5.8	Std. Units	0.10	1		06/24/24 10:57		H3,H6, N3	

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ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

Sample: MAG		Lab ID: 70301678001		Collected: 06/14/24 09:45		Received: 06/14/24 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)		6.5	deg C	0.10	1		06/24/24 10:57		H3,H6

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ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

Sample: UG		Lab ID: 70301678002		Collected: 06/14/24 10:05		Received: 06/14/24 11:05		Matrix: Water	
Parameters		Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	4080	ug/L	100	1	06/18/24 05:05	06/19/24 16:02	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		06/17/24 20:31	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/24 20:31	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 20:31	79-00-5		IC
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 20:31	75-34-3		
1,1-Dichloroethene	1.5	ug/L	1.0	1		06/17/24 20:31	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 20:31	107-06-2		
1,2-Dichloroethene (Total)	1420	ug/L	40.0	20		06/17/24 21:54	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/24 20:31	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/17/24 20:31	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		06/17/24 20:31	591-78-6		v3
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/17/24 20:31	108-10-1		
Acetone	<5.0	ug/L	5.0	1		06/17/24 20:31	67-64-1		v3
Benzene	<0.70	ug/L	0.70	1		06/17/24 20:31	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/24 20:31	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/17/24 20:31	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/17/24 20:31	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		06/17/24 20:31	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/24 20:31	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/24 20:31	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/17/24 20:31	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		06/17/24 20:31	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/17/24 20:31	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/24 20:31	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/24 20:31	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/24 20:31	75-09-2		
Styrene	<1.0	ug/L	1.0	1		06/17/24 20:31	100-42-5		
Tetrachloroethene	388	ug/L	20.0	20		06/17/24 21:54	127-18-4		L2,v3
Toluene	<1.0	ug/L	1.0	1		06/17/24 20:31	108-88-3		
Trichloroethene	127	ug/L	1.0	1		06/17/24 20:31	79-01-6		
Vinyl chloride	84.3	ug/L	1.0	1		06/17/24 20:31	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		06/17/24 20:31	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 20:31	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 20:31	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		06/17/24 20:31	17060-07-0		
4-Bromofluorobenzene (S)	110	%	80-120	1		06/17/24 20:31	460-00-4		
Toluene-d8 (S)	111	%	80-120	1		06/17/24 20:31	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.2	Std. Units	0.10	1		06/24/24 11:00			H3,H6, N3

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14
Pace Project No.: 70301678

Sample: UG		Lab ID: 70301678002		Collected: 06/14/24 10:05		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	7.7	deg C	0.10	1		06/24/24 11:00		H3,H6	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

Sample: SYS-EFF		Lab ID: 70301678003		Collected: 06/14/24 09:30		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	427	ug/L	100	1	06/18/24 05:05	06/19/24 16:04	7439-89-6		
8260C Volatile Organics		Analytical Method: EPA 8260C/5030C Pace Analytical Services - Melville							
1,1,1-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/24 23:11	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	107-06-2		
1,2-Dichloroethene (Total)	<2.0	ug/L	2.0	1		06/17/24 23:11	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/24 23:11	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/17/24 23:11	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		06/17/24 23:11	591-78-6	v3	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/17/24 23:11	108-10-1		
Acetone	<5.0	ug/L	5.0	1		06/17/24 23:11	67-64-1	v3	
Benzene	<0.70	ug/L	0.70	1		06/17/24 23:11	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/24 23:11	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/17/24 23:11	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/17/24 23:11	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		06/17/24 23:11	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/24 23:11	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/24 23:11	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/17/24 23:11	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		06/17/24 23:11	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/17/24 23:11	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/24 23:11	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/24 23:11	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/24 23:11	75-09-2		
Styrene	<1.0	ug/L	1.0	1		06/17/24 23:11	100-42-5		
Tetrachloroethene	<1.0	ug/L	1.0	1		06/17/24 23:11	127-18-4	L2,v3	
Toluene	<1.0	ug/L	1.0	1		06/17/24 23:11	108-88-3		
Trichloroethene	<1.0	ug/L	1.0	1		06/17/24 23:11	79-01-6		
Vinyl chloride	<1.0	ug/L	1.0	1		06/17/24 23:11	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		06/17/24 23:11	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 23:11	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 23:11	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	110	%	80-120	1		06/17/24 23:11	17060-07-0		
4-Bromofluorobenzene (S)	110	%	80-120	1		06/17/24 23:11	460-00-4		
Toluene-d8 (S)	114	%	80-120	1		06/17/24 23:11	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	7.0	Std. Units	0.10	1		06/24/24 10:55		H3,H6, N3	

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ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14
Pace Project No.: 70301678

Sample: SYS-EFF		Lab ID: 70301678003		Collected: 06/14/24 09:30		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	7.6	deg C	0.10	1		06/24/24 10:55		H3,H6	

REPORT OF LABORATORY ANALYSIS



ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

Sample: SYS-INF		Lab ID: 70301678004		Collected: 06/14/24 09:25		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
200.7 Metals, Total		Analytical Method: EPA 200.7 Preparation Method: EPA 200.7 Pace Analytical Services - Melville							
Iron	1760	ug/L	100	1	06/18/24 05:05	06/19/24 16:05	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		06/17/24 21:32	71-55-6		
1,1,2,2-Tetrachloroethane	<1.0	ug/L	1.0	1		06/17/24 21:32	79-34-5		
1,1,2-Trichloroethane	<1.0	ug/L	1.0	1		06/17/24 21:32	79-00-5	IC	
1,1-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 21:32	75-34-3		
1,1-Dichloroethene	<1.0	ug/L	1.0	1		06/17/24 21:32	75-35-4		
1,2-Dichloroethane	<1.0	ug/L	1.0	1		06/17/24 21:32	107-06-2		
1,2-Dichloroethene (Total)	609	ug/L	20.0	10		06/18/24 01:13	540-59-0		
1,2-Dichloropropane	<1.0	ug/L	1.0	1		06/17/24 21:32	78-87-5		
2-Butanone (MEK)	<5.0	ug/L	5.0	1		06/17/24 21:32	78-93-3		
2-Hexanone	<5.0	ug/L	5.0	1		06/17/24 21:32	591-78-6	v3	
4-Methyl-2-pentanone (MIBK)	<5.0	ug/L	5.0	1		06/17/24 21:32	108-10-1		
Acetone	<5.0	ug/L	5.0	1		06/17/24 21:32	67-64-1	v3	
Benzene	<0.70	ug/L	0.70	1		06/17/24 21:32	71-43-2		
Bromodichloromethane	<1.0	ug/L	1.0	1		06/17/24 21:32	75-27-4		
Bromoform	<1.0	ug/L	1.0	1		06/17/24 21:32	75-25-2		
Bromomethane	<1.0	ug/L	1.0	1		06/17/24 21:32	74-83-9		
Carbon disulfide	<1.0	ug/L	1.0	1		06/17/24 21:32	75-15-0		
Carbon tetrachloride	<1.0	ug/L	1.0	1		06/17/24 21:32	56-23-5		
Chlorobenzene	<1.0	ug/L	1.0	1		06/17/24 21:32	108-90-7		
Chloroethane	<1.0	ug/L	1.0	1		06/17/24 21:32	75-00-3		
Chloroform	<1.0	ug/L	1.0	1		06/17/24 21:32	67-66-3		
Chloromethane	<1.0	ug/L	1.0	1		06/17/24 21:32	74-87-3		
Dibromochloromethane	<1.0	ug/L	1.0	1		06/17/24 21:32	124-48-1		
Ethylbenzene	<1.0	ug/L	1.0	1		06/17/24 21:32	100-41-4		
Methylene Chloride	<1.0	ug/L	1.0	1		06/17/24 21:32	75-09-2		
Styrene	<1.0	ug/L	1.0	1		06/17/24 21:32	100-42-5		
Tetrachloroethene	517	ug/L	10.0	10		06/18/24 01:13	127-18-4	L2,v3	
Toluene	<1.0	ug/L	1.0	1		06/17/24 21:32	108-88-3		
Trichloroethene	73.0	ug/L	1.0	1		06/17/24 21:32	79-01-6		
Vinyl chloride	45.1	ug/L	1.0	1		06/17/24 21:32	75-01-4		
Xylene (Total)	<3.0	ug/L	3.0	1		06/17/24 21:32	1330-20-7		
cis-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 21:32	10061-01-5		
trans-1,3-Dichloropropene	<1.0	ug/L	1.0	1		06/17/24 21:32	10061-02-6		
Surrogates									
1,2-Dichloroethane-d4 (S)	108	%	80-120	1		06/17/24 21:32	17060-07-0		
4-Bromofluorobenzene (S)	112	%	80-120	1		06/17/24 21:32	460-00-4		
Toluene-d8 (S)	113	%	80-120	1		06/17/24 21:32	2037-26-5		
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
pH	6.1	Std. Units	0.10	1		06/24/24 10:54		H3,H6, N3	

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ANALYTICAL RESULTS

Project: MINMILT MIN 1001 6/14
Pace Project No.: 70301678

Sample: SYS-INF		Lab ID: 70301678004		Collected: 06/14/24 09:25		Received: 06/14/24 11:05		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
4500H+ pH, Electrometric		Analytical Method: SM22 4500-H+B Pace Analytical Services - Melville							
Temperature, Water (C)	7.6	deg C	0.10	1		06/24/24 10:54		H3,H6	

REPORT OF LABORATORY ANALYSIS



QUALITY CONTROL DATA

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

QC Batch: 352218

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: 70301678001, 70301678002, 70301678003, 70301678004

METHOD BLANK: 1824719

Matrix: Water

Associated Lab Samples: 70301678001, 70301678002, 70301678003, 70301678004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Iron	ug/L	<100	100	06/19/24 15:04	

LABORATORY CONTROL SAMPLE: 1824720

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

MATRIX SPIKE SAMPLE: 1824722

Parameter	Units	70301696001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	5230	104	70-130	

MATRIX SPIKE SAMPLE: 1824724

Parameter	Units	70301696002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Iron	ug/L	<100	5000	5040	100	70-130	

SAMPLE DUPLICATE: 1824721

Parameter	Units	70301696001 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

SAMPLE DUPLICATE: 1824723

Parameter	Units	70301696002 Result	Dup Result	RPD	Qualifiers
Iron	ug/L	<100	<100		

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QUALITY CONTROL DATA

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

QC Batch: 352031

Analysis Method: EPA 8260C/5030C

QC Batch Method: EPA 8260C/5030C

Analysis Description: 8260 MSV

Laboratory: Pace Analytical Services - Melville

Associated Lab Samples: 70301678001, 70301678002, 70301678003, 70301678004

METHOD BLANK: 1823576

Matrix: Water

Associated Lab Samples: 70301678001, 70301678002, 70301678003, 70301678004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/L	<1.0	1.0	06/17/24 17:29	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	1.0	06/17/24 17:29	
1,1,2-Trichloroethane	ug/L	<1.0	1.0	06/17/24 17:29	IC
1,1-Dichloroethane	ug/L	<1.0	1.0	06/17/24 17:29	
1,1-Dichloroethene	ug/L	<1.0	1.0	06/17/24 17:29	
1,2-Dichloroethane	ug/L	<1.0	1.0	06/17/24 17:29	
1,2-Dichloroethene (Total)	ug/L	<2.0	2.0	06/17/24 17:29	
1,2-Dichloropropane	ug/L	<1.0	1.0	06/17/24 17:29	
2-Butanone (MEK)	ug/L	<5.0	5.0	06/17/24 17:29	
2-Hexanone	ug/L	<5.0	5.0	06/17/24 17:29	v3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	5.0	06/17/24 17:29	
Acetone	ug/L	<5.0	5.0	06/17/24 17:29	v3
Benzene	ug/L	<0.70	0.70	06/17/24 17:29	
Bromodichloromethane	ug/L	<1.0	1.0	06/17/24 17:29	
Bromoform	ug/L	<1.0	1.0	06/17/24 17:29	
Bromomethane	ug/L	<1.0	1.0	06/17/24 17:29	
Carbon disulfide	ug/L	<1.0	1.0	06/17/24 17:29	
Carbon tetrachloride	ug/L	<1.0	1.0	06/17/24 17:29	
Chlorobenzene	ug/L	<1.0	1.0	06/17/24 17:29	
Chloroethane	ug/L	<1.0	1.0	06/17/24 17:29	
Chloroform	ug/L	<1.0	1.0	06/17/24 17:29	
Chloromethane	ug/L	<1.0	1.0	06/17/24 17:29	
cis-1,3-Dichloropropene	ug/L	<1.0	1.0	06/17/24 17:29	
Dibromochloromethane	ug/L	<1.0	1.0	06/17/24 17:29	
Ethylbenzene	ug/L	<1.0	1.0	06/17/24 17:29	
Methylene Chloride	ug/L	<1.0	1.0	06/17/24 17:29	
Styrene	ug/L	<1.0	1.0	06/17/24 17:29	
Tetrachloroethene	ug/L	<1.0	1.0	06/17/24 17:29	v3
Toluene	ug/L	<1.0	1.0	06/17/24 17:29	
trans-1,3-Dichloropropene	ug/L	<1.0	1.0	06/17/24 17:29	
Trichloroethene	ug/L	<1.0	1.0	06/17/24 17:29	
Vinyl chloride	ug/L	<1.0	1.0	06/17/24 17:29	
Xylene (Total)	ug/L	<3.0	3.0	06/17/24 17:29	
1,2-Dichloroethane-d4 (S)	%	108	80-120	06/17/24 17:29	
4-Bromofluorobenzene (S)	%	111	80-120	06/17/24 17:29	
Toluene-d8 (S)	%	114	80-120	06/17/24 17:29	

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QUALITY CONTROL DATA

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

LABORATORY CONTROL SAMPLE: 1823577

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/L	50	42.9	86	72-122	
1,1,2,2-Tetrachloroethane	ug/L	50	46.0	92	71-118	
1,1,2-Trichloroethane	ug/L	50	46.9	94	83-122	IC
1,1-Dichloroethane	ug/L	50	44.8	90	72-131	
1,1-Dichloroethene	ug/L	50	51.3	103	71-128	
1,2-Dichloroethane	ug/L	50	46.7	93	74-118	
1,2-Dichloroethene (Total)	ug/L	100	104	104	70-131	
1,2-Dichloropropane	ug/L	50	44.4	89	75-121	
2-Butanone (MEK)	ug/L	50	44.6	89	43-175	
2-Hexanone	ug/L	50	41.6	83	55-141	v3
4-Methyl-2-pentanone (MIBK)	ug/L	50	40.2	80	64-131	
Acetone	ug/L	50	34.5	69	11-200	v3
Benzene	ug/L	50	47.0	94	74-121	
Bromodichloromethane	ug/L	50	48.1	96	76-121	
Bromoform	ug/L	50	51.8	104	60-135	
Bromomethane	ug/L	50	73.6	147	10-200	v1
Carbon disulfide	ug/L	50	43.7	87	67-129	
Carbon tetrachloride	ug/L	50	51.3	103	69-129	
Chlorobenzene	ug/L	50	51.6	103	82-113	
Chloroethane	ug/L	50	58.9	118	59-140	v1
Chloroform	ug/L	50	48.9	98	78-126	
Chloromethane	ug/L	50	38.2	76	40-136	
cis-1,3-Dichloropropene	ug/L	50	47.9	96	71-127	
Dibromochloromethane	ug/L	50	53.4	107	70-125	
Ethylbenzene	ug/L	50	48.2	96	79-113	
Methylene Chloride	ug/L	50	47.4	95	70-127	
Styrene	ug/L	50	50.2	100	77-120	
Tetrachloroethene	ug/L	50	33.1	66	76-123	L2,v3
Toluene	ug/L	50	47.0	94	82-118	
trans-1,3-Dichloropropene	ug/L	50	48.7	97	66-129	
Trichloroethene	ug/L	50	45.9	92	82-123	
Vinyl chloride	ug/L	50	44.5	89	51-144	
Xylene (Total)	ug/L	150	145	97	81-112	
1,2-Dichloroethane-d4 (S)	%			106	80-120	
4-Bromofluorobenzene (S)	%			113	80-120	
Toluene-d8 (S)	%			116	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1823941 1823942

Parameter	Units	70301604003 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	44.7	44.2	89	88	69-137	1	
1,1,2,2-Tetrachloroethane	ug/L	<1.0	50	50	46.1	45.4	92	91	65-126	2	
1,1,2-Trichloroethane	ug/L	<1.0	50	50	45.0	44.8	90	90	78-129	0	IC
1,1-Dichloroethane	ug/L	<1.0	50	50	45.5	44.6	91	89	74-136	2	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1823941 1823942											
Parameter	Units	70301604003		MS	MSD	1823942		MS	MSD	% Rec	RPD
		Result	Conc.	Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec	Limits	
1,1-Dichloroethene	ug/L	<1.0	50	50	50	54.8	53.1	110	106	74-138	3
1,2-Dichloroethane	ug/L	<1.0	50	50	50	43.6	44.0	87	88	74-121	1
1,2-Dichloroethene (Total)	ug/L	<2.0	100	100	100	107	108	107	108	66-148	1
1,2-Dichloropropane	ug/L	<1.0	50	50	50	44.4	44.0	89	88	75-127	1
2-Butanone (MEK)	ug/L	<5.0	50	50	50	37.2	37.0	74	74	44-149	1
2-Hexanone	ug/L	<5.0	50	50	50	38.5	38.1	77	76	61-115	1 v3
4-Methyl-2-pentanone (MIBK)	ug/L	<5.0	50	50	50	35.9	37.1	72	74	67-120	3
Acetone	ug/L	<5.0	50	50	50	31.8	30.3	57	54	10-181	5 v3
Benzene	ug/L	<1.0	50	50	50	48.4	48.1	97	96	70-133	1
Bromodichloromethane	ug/L	<1.0	50	50	50	46.0	46.8	92	94	76-129	2
Bromoform	ug/L	<1.0	50	50	50	47.2	48.3	94	97	51-140	2
Bromomethane	ug/L	<1.0	50	50	50	79.1	80.9	158	162	10-200	2 v1
Carbon disulfide	ug/L	<1.0	50	50	50	45.9	44.5	92	89	66-149	3
Carbon tetrachloride	ug/L	<1.0	50	50	50	53.7	53.1	107	106	59-146	1
Chlorobenzene	ug/L	<1.0	50	50	50	54.2	53.4	108	107	77-124	1
Chloroethane	ug/L	<1.0	50	50	50	63.2	60.1	126	120	56-158	5 v1
Chloroform	ug/L	<1.0	50	50	50	48.0	48.2	96	96	80-133	0
Chloromethane	ug/L	<1.0	50	50	50	42.2	40.7	84	81	37-146	4
cis-1,3-Dichloropropene	ug/L	<1.0	50	50	50	44.7	44.9	89	90	64-137	0
Dibromochloromethane	ug/L	<1.0	50	50	50	51.0	52.1	102	104	65-132	2
Ethylbenzene	ug/L	<1.0	50	50	50	52.3	50.7	105	101	71-126	3
Methylene Chloride	ug/L	<1.0	50	50	50	41.7	46.3	83	93	73-132	10
Styrene	ug/L	<1.0	50	50	50	52.2	52.6	104	105	81-122	1
Tetrachloroethene	ug/L	<1.0	50	50	50	35.8	34.7	72	69	72-131	3 M0,v3
Toluene	ug/L	<1.0	50	50	50	48.9	48.1	98	96	72-135	2
trans-1,3-Dichloropropene	ug/L	<1.0	50	50	50	44.1	44.8	88	90	59-138	1
Trichloroethene	ug/L	<1.0	50	50	50	48.6	47.5	97	95	79-137	2
Vinyl chloride	ug/L	<1.0	50	50	50	47.7	46.1	95	92	48-158	3
Xylene (Total)	ug/L	<3.0	150	150	150	156	152	104	101	77-120	3
1,2-Dichloroethane-d4 (S)	%							105	104	80-120	
4-Bromofluorobenzene (S)	%							111	112	80-120	
Toluene-d8 (S)	%							115	114	80-120	

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QUALITY CONTROL DATA

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

QC Batch: 352809

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: 70301678001, 70301678002, 70301678003, 70301678004

SAMPLE DUPLICATE: 1828147

Parameter	Units	70301935001 Result	Dup Result	RPD	Qualifiers
pH	Std. Units	9.6	9.6	0	H3,H6,N3
Temperature, Water (C)	deg C	8.5	8.5	0	H3,H6

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QUALIFIERS

Project: MINMILT MIN 1001 6/14

Pace Project No.: 70301678

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: 352306

- [1] The post digestion spike for sample 70301696001 (PDS 1825029) did not meet acceptance criteria for Silver and Sodium.
- [2] The serial dilution for sample 70301696001 (SD 1825030) did not meet acceptance criteria for Aluminum, Arsenic, Calcium, Potassium, Magnesium, Sodium, Lead, Antimony and Selenium.
- [3] The post digestion spike for sample 70301696002 (PDS 1825031) did not meet acceptance criteria for Silver.
- [4] The serial dilution for sample 70301696002 (SD 1825032) did not meet acceptance criteria for Aluminum, Arsenic, Calcium, Potassium, Magnesium, Manganese, Molybdenum, Sodium 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.
- L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
- M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
- 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 MIN 1001 6/14

Pace Project No.: 70301678

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70301678001	MAG	EPA 200.7	352218	EPA 200.7	352306
70301678002	UG	EPA 200.7	352218	EPA 200.7	352306
70301678003	SYS-EFF	EPA 200.7	352218	EPA 200.7	352306
70301678004	SYS-INF	EPA 200.7	352218	EPA 200.7	352306
70301678001	MAG	EPA 8260C/5030C	352031		
70301678002	UG	EPA 8260C/5030C	352031		
70301678003	SYS-EFF	EPA 8260C/5030C	352031		
70301678004	SYS-INF	EPA 8260C/5030C	352031		
70301678001	MAG	SM22 4500-H+B	352809		
70301678002	UG	SM22 4500-H+B	352809		
70301678003	SYS-EFF	SM22 4500-H+B	352809		
70301678004	SYS-INF	SM22 4500-H+B	352809		

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CHAIN-OF-CUSTODY Analytical Request Document

Pace Analytical

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

Billing Information:

Company: P.W. Grosser Consulting

Address: 630 Johnson Ave, Bohemia, NY

Report To: Crosby, Kaitlyn

Copy To: Ryan M @pwgrosser.com

Customer Project Name/Number: M1N1001

Phone: 631-589-6353

Email: Rebecca Reagan

Turnaround Date Required: Standard

Rush: [] Same Day [] Next Day [] 2 Day [] 3 Day [] 4 Day [] 5 Day

[] 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 (AR), Tissue (TS), Bioassay (B), Vapor (V), Other (OT)

Customer Sample ID

Matrix *

Comp / Grab

Collected (or Composite Start)

Date Time

Composite End

Date Time

Res Cl

of Ctns

Type of Ice Used: Wet Blue Dry None

Packing Material Used:

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

Date/Time: 6/14/2011 11:05

Received by/Company: (Signature)

Date/Time: 6/14/2011 11:05

Received by/Company: (Signature)

Date/Time: 6/14/2011 11:05

Received by/Company: (Signature)

Date/Time: 6/14/2011 11:05

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Received by/Company: (Signature)

Date/Time: 6/14/2011 11:05

LAB USE ONLY - Affix Workorder/Login Label Here or List Pace Workorder Number or

WO#: 70301678



Cont

** Preservative Types: (1) formic acid, (2) acetic acid, (3) phosphoric acid, (4) ascorbic acid, (5) sodium thiosulfate, (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

Lab Profile/Line:

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: 210211A 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#: 11211
Cooler 1 Temp Upon Receipt: 37.0C
Cooler 1 Therm Corr. Factor: -0.1C
Cooler 1 Corrected Temp: 36.9C
Comments:

Trip Blank Received: Y N NA

HCL MeOH TSP Other

Non Conformance(s):

YES / NO

Page: of: