



CERTIFICATIONS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Pace Analytical Services Ormond Beach

8 East Tower Circle, Ormond Beach, FL 32174

Alaska DEC- CS/UST/LUST

Alabama Certification #: 41320

Colorado Certification: FL NELAC Reciprocity

Connecticut Certification #: PH-0216

Delaware Certification: FL NELAC Reciprocity

DoD-ANAB #:ADE-3199

Florida Certification #: E83079

Georgia Certification #: 955

Guam Certification: FL NELAC Reciprocity

Hawaii Certification: FL NELAC Reciprocity

Illinois Certification #: 200068

Indiana Certification: FL NELAC Reciprocity

Kansas Certification #: E-10383

Kentucky Certification #: 90050

Louisiana Certification #: FL NELAC Reciprocity

Louisiana Environmental Certificate #: 05007

Maine Certification #: FL01264

Maryland Certification: #346

Massachusetts Certification #: M-FL1264

Michigan Certification #: 9911

Mississippi Certification: FL NELAC Reciprocity

Missouri Certification #: 236

Montana Certification #: Cert 0074

Nebraska Certification: NE-OS-28-14

New Hampshire Certification #: 2958

New Jersey Certification #: FL022

New York Certification #: 11608

North Carolina Environmental Certificate #: 667

North Carolina Certification #: 12710

North Dakota Certification #: R-216

Ohio DEP 87780

Oklahoma Certification #: D9947

Pennsylvania Certification #: 68-00547

Puerto Rico Certification #: FL01264

South Carolina Certification: #96042001

Tennessee Certification #: TN02974

Texas Certification: FL NELAC Reciprocity

US Virgin Islands Certification: FL NELAC Reciprocity

Virginia Environmental Certification #: 460165

West Virginia Certification #: 9962C

Wisconsin Certification #: 399079670

Wyoming (EPA Region 8): FL NELAC Reciprocity

REPORT OF LABORATORY ANALYSIS

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**SAMPLE SUMMARY**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Lab ID	Sample ID	Matrix	Date Collected	Date Received
10671217001	W-MN-RIPL-005	Drinking Water	09/29/23 14:20	10/03/23 11:07
10671217002	W-MN-RIPL-FB	Drinking Water	09/29/23 14:20	10/03/23 11:07
10671217003	W-MN-RIPL-004	Drinking Water	09/29/23 14:22	10/03/23 11:07
10671217004	W-MN-RIPL-001	Drinking Water	09/29/23 14:40	10/03/23 11:07
10671217005	W-MN-RIPL-002	Drinking Water	09/29/23 14:54	10/03/23 11:07
10671217006	W-MN-RIPL-003	Drinking Water	09/29/23 15:03	10/03/23 11:07
10671217007	W-MN-RIPL-017	Drinking Water	09/29/23 15:30	10/03/23 11:07
10671217008	W-MN-RIPL-018	Drinking Water	09/29/23 15:47	10/03/23 11:07
10671217009	W-MN-RIPL-019	Drinking Water	09/29/23 16:02	10/03/23 11:07
10671217010	W-MN-RIPL-020	Drinking Water	09/29/23 16:14	10/03/23 11:07
10671217011	W-MN-RIPL-021	Drinking Water	09/29/23 16:25	10/03/23 11:07
10671217012	W-MN-RIPL-022	Drinking Water	09/30/23 16:43	10/03/23 11:07
10671217013	W-MN-RIPL-015	Drinking Water	09/30/23 08:30	10/03/23 11:07
10671217014	W-MN-RIPL-014	Drinking Water	09/30/23 08:50	10/03/23 11:07
10671217015	W-MN-RIPL-013	Drinking Water	09/30/23 09:00	10/03/23 11:07
10671217016	W-MN-RIPL-012	Drinking Water	09/30/23 09:30	10/03/23 11:07
10671217017	W-MN-RIPL-011	Drinking Water	09/30/23 09:40	10/03/23 11:07
10671217018	W-MN-RIPL-010	Drinking Water	09/30/23 10:17	10/03/23 11:07
10671217019	W-MN-RIPL-009	Drinking Water	09/30/23 10:35	10/03/23 11:07
10671217020	W-MN-RIPL-008	Drinking Water	09/30/23 11:05	10/03/23 11:07
10671217021	W-MN-RIPL-007	Drinking Water	09/30/23 11:28	10/03/23 11:07
10671217022	W-MN-RIPL-FD	Drinking Water	09/30/23 00:00	10/03/23 11:07
10671217023	W-MN-RIPL-QA/QC	Drinking Water	09/29/23 14:20	10/03/23 11:08

REPORT OF LABORATORY ANALYSIS

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SAMPLE ANALYTE COUNT

Project: PFAS Drinking Water

Pace Project No.: 10671217

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10671217001	W-MN-RIPL-005	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217002	W-MN-RIPL-FB	EPA 537.1	SWR	8	PASI-O
10671217003	W-MN-RIPL-004	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217004	W-MN-RIPL-001	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217005	W-MN-RIPL-002	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217006	W-MN-RIPL-003	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217007	W-MN-RIPL-017	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217008	W-MN-RIPL-018	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217009	W-MN-RIPL-019	EPA 533	SWR	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217010	W-MN-RIPL-020	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217011	W-MN-RIPL-021	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217012	W-MN-RIPL-022	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217013	W-MN-RIPL-015	EPA 533	TSW	41	PASI-O
		EPA 537.1	SWR	8	PASI-O
10671217014	W-MN-RIPL-014	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217015	W-MN-RIPL-013	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217016	W-MN-RIPL-012	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217017	W-MN-RIPL-011	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217018	W-MN-RIPL-010	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217019	W-MN-RIPL-009	EPA 533	TSW	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O

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SAMPLE ANALYTE COUNT

Project: PFAS Drinking Water

Pace Project No.: 10671217

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
10671217020	W-MN-RIPL-008	EPA 533	SWR	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217021	W-MN-RIPL-007	EPA 533	TMM1	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217022	W-MN-RIPL-FD	EPA 533	SWR	41	PASI-O
		EPA 537.1	TMM1	8	PASI-O
10671217023	W-MN-RIPL-QA/QC	EPA 537.1	TMM1	8	PASI-O

PASI-O = Pace Analytical Services - Ormond Beach

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-005	Lab ID: 10671217001	Collected: 09/29/23 14:20	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/06/23 21:42	10/09/23 18:42	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	307-24-4	
PFBA	0.0024	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	375-85-9	
Perfluorohexanesulfonic acid	0.0048	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/06/23 21:42	10/09/23 18:42	2058-94-8	
Surrogates								
13C24:2FTS (S)	137	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C26:2FTS (S)	93	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C28:2FTS (S)	86	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C2-PFDoA (S)	87	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C3HFPO-DA(S)	91	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C3-PFBS (S)	110	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C3-PFHxS (S)	108	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C4-PFBA (S)	105	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C4-PFHpA (S)	98	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C5-PFHxA (S)	102	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C5-PFPeA (S)	90	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C6-PFDA (S)	87	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C7-PFUdA (S)	86	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C8-PFOA (S)	97	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C8-PFOS (S)	108	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
13C9-PFNA (S)	96	%	50-200	1	10/06/23 21:42	10/09/23 18:42		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 13:08	2991-50-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-005 Lab ID: 10671217001 Collected: 09/29/23 14:20 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 13:08	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 13:08	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 13:08	72629-94-8	
Surrogates								
13C2-PFDA (S)	96	%	70-130	1	10/07/23 15:35	10/09/23 13:08		
13C2-PFHxA (S)	95	%	70-130	1	10/07/23 15:35	10/09/23 13:08		
NEtFOSAA-d5 (S)	99	%	70-130	1	10/07/23 15:35	10/09/23 13:08		
HFPO-DAS (S)	99	%	70-130	1	10/07/23 15:35	10/09/23 13:08		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-FB Lab ID: 10671217002 Collected: 09/29/23 14:20 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:23	2991-50-6	
NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:23	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:23	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:23	72629-94-8	
Surrogates								
13C2-PFDA (S)	95	%	70-130	1	10/07/23 15:35	10/09/23 13:23		
13C2-PFHxA (S)	104	%	70-130	1	10/07/23 15:35	10/09/23 13:23		
NEtFOSAA-d5 (S)	101	%	70-130	1	10/07/23 15:35	10/09/23 13:23		
HFPO-DAS (S)	105	%	70-130	1	10/07/23 15:35	10/09/23 13:23		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-004	Lab ID: 10671217003	Collected: 09/29/23 14:22	Received: 10/03/23 11:07	Matrix: Drinking Water
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Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	763051-92-9	
4:2 FTS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	757124-72-4	
6:2 FTS	0.0038	ug/L	0.0037	1	10/06/23 21:42	10/10/23 12:15	27619-97-2	
8:2 FTS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	756426-58-1	
ADONA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	919005-14-4	
HFPO-DA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	13252-13-6	
NFDHA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	307-24-4	
PFBA	0.0019	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	375-22-4	
PFEESA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	113507-82-7	
PFHpS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	375-92-8	
PFMBA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	863090-89-5	
PFMPA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	377-73-1	
PFPeA	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	2706-90-3	
PFPeS	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0019	1	10/06/23 21:42	10/10/23 12:15	2058-94-8	
Surrogates								
13C24:2FTS (S)	136	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C26:2FTS (S)	96	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C28:2FTS (S)	92	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C2-PFDoA (S)	87	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C3HFPO-DA(S)	90	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C3-PFBS (S)	108	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C3-PFHxS (S)	106	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C4-PFBA (S)	109	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C4-PFHpA (S)	94	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C5-PFHxA (S)	103	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C5-PFPeA (S)	93	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C6-PFDA (S)	89	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C7-PFUdA (S)	89	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C8-PFOA (S)	96	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C8-PFOS (S)	107	%	50-200	1	10/06/23 21:42	10/10/23 12:15		
13C9-PFNA (S)	93	%	50-200	1	10/06/23 21:42	10/10/23 12:15		

537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:39	2991-50-6	
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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-004 Lab ID: 10671217003 Collected: 09/29/23 14:22 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:39	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:39	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:39	72629-94-8	
Surrogates								
13C2-PFDA (S)	90	%	70-130	1	10/07/23 15:35	10/09/23 13:39		
13C2-PFHxA (S)	97	%	70-130	1	10/07/23 15:35	10/09/23 13:39		
NEtFOSAA-d5 (S)	95	%	70-130	1	10/07/23 15:35	10/09/23 13:39		
HFPO-DAS (S)	99	%	70-130	1	10/07/23 15:35	10/09/23 13:39		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-001	Lab ID: 10671217004	Collected: 09/29/23 14:40	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/14/23 01:55	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	151772-58-6	
Perfluorobutanesulfonic acid	0.0031	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	307-24-4	
PFBA	0.0045	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	2706-90-3	
PFPeS	0.0031	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	375-85-9	
Perfluorohexanesulfonic acid	0.022	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	375-95-1	
Perfluorooctanesulfonic acid	0.0030	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 01:55	2058-94-8	
Surrogates								
13C24:2FTS (S)	179	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C26:2FTS (S)	130	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C28:2FTS (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C2-PFDoA (S)	98	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C3HFPO-DA(S)	101	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C3-PFBS (S)	115	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C3-PFHxS (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C4-PFBA (S)	100	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C4-PFHpA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C5-PFHxA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C5-PFPeA (S)	109	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C6-PFDA (S)	100	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C7-PFUdA (S)	99	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C8-PFOA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C8-PFOS (S)	105	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
13C9-PFNA (S)	99	%	50-200	1	10/11/23 16:36	10/14/23 01:55		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:54	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-001 Lab ID: 10671217004 Collected: 09/29/23 14:40 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:54	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:54	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 13:54	72629-94-8	
Surrogates								
13C2-PFDA (S)	87	%	70-130	1	10/07/23 15:35	10/09/23 13:54		
13C2-PFHxA (S)	93	%	70-130	1	10/07/23 15:35	10/09/23 13:54		
NEtFOSAA-d5 (S)	91	%	70-130	1	10/07/23 15:35	10/09/23 13:54		
HFPO-DAS (S)	98	%	70-130	1	10/07/23 15:35	10/09/23 13:54		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-002	Lab ID: 10671217005	Collected: 09/29/23 14:54	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	757124-72-4	
6:2 FTS	ND	ug/L	0.0036	1	10/11/23 16:36	10/14/23 02:12	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	307-24-4	
PFBA	0.0018	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:12	2058-94-8	
Surrogates								
13C24:2FTS (S)	208	%	50-200	1	10/11/23 16:36	10/14/23 02:12		SO
13C26:2FTS (S)	127	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C28:2FTS (S)	114	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C2-PFDoA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C3HFPO-DA(S)	99	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C3-PFBS (S)	122	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C3-PFHxS (S)	119	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C4-PFBA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C4-PFHpA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C5-PFHxA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C5-PFPeA (S)	118	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C6-PFDA (S)	102	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C7-PFUdA (S)	102	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C8-PFOA (S)	100	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C8-PFOS (S)	114	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
13C9-PFNA (S)	98	%	50-200	1	10/11/23 16:36	10/14/23 02:12		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:26	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-002 **Lab ID: 10671217005** Collected: 09/29/23 14:54 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water		Analytical Method: EPA 537.1 Preparation Method: EPA 537.1 Pace Analytical Services - Ormond Beach						
NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:26	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:26	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:26	72629-94-8	
Surrogates								
13C2-PFDA (S)	92	%	70-130	1	10/07/23 15:35	10/09/23 14:26		
13C2-PFHxA (S)	91	%	70-130	1	10/07/23 15:35	10/09/23 14:26		
NEtFOSAA-d5 (S)	96	%	70-130	1	10/07/23 15:35	10/09/23 14:26		
HFPO-DAS (S)	96	%	70-130	1	10/07/23 15:35	10/09/23 14:26		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-003	Lab ID: 10671217006	Collected: 09/29/23 15:03	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	757124-72-4	
6:2 FTS	ND	ug/L	0.0037	1	10/06/23 21:42	10/10/23 13:06	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	335-76-2	
Perfluorohexanoic acid	0.0021	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	307-24-4	
PFBA	0.0063	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	377-73-1	
PFPeA	0.0030	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	375-85-9	
Perfluorohexanesulfonic acid	0.0034	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:06	2058-94-8	
Surrogates								
13C24:2FTS (S)	132	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C26:2FTS (S)	96	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C28:2FTS (S)	83	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C2-PFDoA (S)	55	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C3HFPO-DA(S)	87	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C3-PFBS (S)	104	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C3-PFHxS (S)	106	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C4-PFBA (S)	111	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C4-PFHpA (S)	96	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C5-PFHxA (S)	103	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C5-PFPeA (S)	93	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C6-PFDA (S)	60	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C7-PFUdA (S)	60	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C8-PFOA (S)	84	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C8-PFOS (S)	99	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
13C9-PFNA (S)	65	%	50-200	1	10/06/23 21:42	10/10/23 13:06		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:41	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-003 Lab ID: 10671217006 Collected: 09/29/23 15:03 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water		Analytical Method: EPA 537.1 Preparation Method: EPA 537.1 Pace Analytical Services - Ormond Beach						
NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:41	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:41	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 14:41	72629-94-8	
Surrogates								
13C2-PFDA (S)	93	%	70-130	1	10/07/23 15:35	10/09/23 14:41		
13C2-PFHxA (S)	97	%	70-130	1	10/07/23 15:35	10/09/23 14:41		
NEtFOSAA-d5 (S)	96	%	70-130	1	10/07/23 15:35	10/09/23 14:41		
HFPO-DAS (S)	99	%	70-130	1	10/07/23 15:35	10/09/23 14:41		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-017	Lab ID: 10671217007	Collected: 09/29/23 15:30	Received: 10/03/23 11:07	Matrix: Drinking Water
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Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/06/23 21:42	10/10/23 13:23	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	307-24-4	
PFBA	0.0022	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:23	2058-94-8	
Surrogates								
13C24:2FTS (S)	96	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C26:2FTS (S)	89	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C28:2FTS (S)	87	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C2-PFDoA (S)	87	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C3HFPO-DA(S)	82	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C3-PFBS (S)	108	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C3-PFHxS (S)	106	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C4-PFBA (S)	101	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C4-PFHpA (S)	88	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C5-PFHxA (S)	94	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C5-PFPeA (S)	92	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C6-PFDA (S)	85	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C7-PFUdA (S)	86	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C8-PFOA (S)	87	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C8-PFOS (S)	104	%	50-200	1	10/06/23 21:42	10/10/23 13:23		
13C9-PFNA (S)	88	%	50-200	1	10/06/23 21:42	10/10/23 13:23		

537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 14:57	2991-50-6	
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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-017 Lab ID: 10671217007 Collected: 09/29/23 15:30 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 14:57	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 14:57	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 14:57	72629-94-8	
Surrogates								
13C2-PFDA (S)	85	%	70-130	1	10/07/23 15:35	10/09/23 14:57		
13C2-PFHxA (S)	95	%	70-130	1	10/07/23 15:35	10/09/23 14:57		
NEtFOSAA-d5 (S)	86	%	70-130	1	10/07/23 15:35	10/09/23 14:57		
HFPO-DAS (S)	92	%	70-130	1	10/07/23 15:35	10/09/23 14:57		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-018	Lab ID: 10671217008	Collected: 09/29/23 15:47	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	757124-72-4	
6:2 FTS	ND	ug/L	0.0036	1	10/06/23 21:42	10/10/23 13:40	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 13:40	2058-94-8	
Surrogates								
13C24:2FTS (S)	100	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C26:2FTS (S)	90	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C28:2FTS (S)	88	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C2-PFDoA (S)	91	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C3HFPO-DA(S)	86	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C3-PFBS (S)	110	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C3-PFHxS (S)	107	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C4-PFBA (S)	108	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C4-PFHpA (S)	93	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C5-PFHxA (S)	100	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C5-PFPeA (S)	98	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C6-PFDA (S)	90	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C7-PFUdA (S)	90	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C8-PFOA (S)	94	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C8-PFOS (S)	106	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
13C9-PFNA (S)	89	%	50-200	1	10/06/23 21:42	10/10/23 13:40		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:12	2991-50-6	P4

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-018 Lab ID: 10671217008 Collected: 09/29/23 15:47 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:12	2355-31-9	P4
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:12	376-06-7	P4
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:12	72629-94-8	P4
Surrogates								
13C2-PFDA (S)	94	%	70-130	1	10/07/23 15:35	10/09/23 15:12		
13C2-PFHxA (S)	100	%	70-130	1	10/07/23 15:35	10/09/23 15:12		
NEtFOSAA-d5 (S)	102	%	70-130	1	10/07/23 15:35	10/09/23 15:12		
HFPO-DAS (S)	101	%	70-130	1	10/07/23 15:35	10/09/23 15:12		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-019	Lab ID: 10671217009	Collected: 09/29/23 16:02	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/15/23 17:09	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:09	2058-94-8	
Surrogates								
13C24:2FTS (S)	47	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C26:2FTS (S)	45	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C28:2FTS (S)	46	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C2-PFDoA (S)	49	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C3HFPO-DA(S)	34	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C3-PFBS (S)	42	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C3-PFHxS (S)	41	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C4-PFBA (S)	38	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C4-PFHpA (S)	40	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C5-PFHxA (S)	38	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C5-PFPeA (S)	38	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C6-PFDA (S)	50	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C7-PFUdA (S)	52	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C8-PFOA (S)	43	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C8-PFOS (S)	40	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
13C9-PFNA (S)	46	%	50-200	1	10/11/23 16:36	10/15/23 17:09		S0
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:28	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-019 Lab ID: 10671217009 Collected: 09/29/23 16:02 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:28	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:28	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:28	72629-94-8	
Surrogates								
13C2-PFDA (S)	92	%	70-130	1	10/07/23 15:35	10/09/23 15:28		
13C2-PFHxA (S)	100	%	70-130	1	10/07/23 15:35	10/09/23 15:28		
NEtFOSAA-d5 (S)	98	%	70-130	1	10/07/23 15:35	10/09/23 15:28		
HFPO-DAS (S)	100	%	70-130	1	10/07/23 15:35	10/09/23 15:28		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-020	Lab ID: 10671217010	Collected: 09/29/23 16:14	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	757124-72-4	
6:2 FTS	ND	ug/L	0.0036	1	10/11/23 16:36	10/14/23 02:45	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 02:45	2058-94-8	
Surrogates								
13C24:2FTS (S)	147	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C26:2FTS (S)	114	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C28:2FTS (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C2-PFDoA (S)	108	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C3HFPO-DA(S)	102	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C3-PFBS (S)	119	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C3-PFHxS (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C4-PFBA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C4-PFHpA (S)	98	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C5-PFHxA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C5-PFPeA (S)	109	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C6-PFDA (S)	96	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C7-PFUdA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C8-PFOA (S)	94	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C8-PFOS (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
13C9-PFNA (S)	94	%	50-200	1	10/11/23 16:36	10/14/23 02:45		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 15:44	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-020 Lab ID: 10671217010 Collected: 09/29/23 16:14 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 15:44	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 15:44	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 15:44	72629-94-8	
Surrogates								
13C2-PFDA (S)	96	%	70-130	1	10/07/23 15:35	10/09/23 15:44		
13C2-PFHxA (S)	105	%	70-130	1	10/07/23 15:35	10/09/23 15:44		
NEtFOSAA-d5 (S)	99	%	70-130	1	10/07/23 15:35	10/09/23 15:44		
HFPO-DAS (S)	107	%	70-130	1	10/07/23 15:35	10/09/23 15:44		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-021	Lab ID: 10671217011	Collected: 09/29/23 16:25	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	757124-72-4	
6:2 FTS	0.0075	ug/L	0.0035	1	10/06/23 21:42	10/10/23 15:06	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/06/23 21:42	10/10/23 15:06	2058-94-8	
Surrogates								
13C24:2FTS (S)	97	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C26:2FTS (S)	90	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C28:2FTS (S)	85	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C2-PFDoA (S)	88	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C3HFPO-DA(S)	85	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C3-PFBS (S)	107	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C3-PFHxS (S)	107	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C4-PFBA (S)	101	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C4-PFHpA (S)	89	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C5-PFHxA (S)	97	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C5-PFPeA (S)	93	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C6-PFDA (S)	85	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C7-PFUdA (S)	85	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C8-PFOA (S)	92	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C8-PFOS (S)	101	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
13C9-PFNA (S)	86	%	50-200	1	10/06/23 21:42	10/10/23 15:06		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:59	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-021 Lab ID: 10671217011 Collected: 09/29/23 16:25 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:59	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:59	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 15:59	72629-94-8	
Surrogates								
13C2-PFDA (S)	87	%	70-130	1	10/07/23 15:35	10/09/23 15:59		
13C2-PFHxA (S)	97	%	70-130	1	10/07/23 15:35	10/09/23 15:59		
NEtFOSAA-d5 (S)	87	%	70-130	1	10/07/23 15:35	10/09/23 15:59		
HFPO-DAS (S)	100	%	70-130	1	10/07/23 15:35	10/09/23 15:59		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-022	Lab ID: 10671217012	Collected: 09/30/23 16:43	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/14/23 03:18	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	307-24-4	
PFBA	0.0033	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:18	2058-94-8	
Surrogates								
13C24:2FTS (S)	231	%	50-200	1	10/11/23 16:36	10/14/23 03:18		SO
13C26:2FTS (S)	141	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C28:2FTS (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C2-PFDoA (S)	96	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C3HFPO-DA(S)	102	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C3-PFBS (S)	125	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C3-PFHxS (S)	117	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C4-PFBA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C4-PFHpA (S)	105	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C5-PFHxA (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C5-PFPeA (S)	127	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C6-PFDA (S)	95	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C7-PFUdA (S)	96	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C8-PFOA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C8-PFOS (S)	112	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
13C9-PFNA (S)	96	%	50-200	1	10/11/23 16:36	10/14/23 03:18		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 16:15	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-022 **Lab ID: 10671217012** Collected: 09/30/23 16:43 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 16:15	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 16:15	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 15:35	10/09/23 16:15	72629-94-8	
Surrogates								
13C2-PFDA (S)	91	%	70-130	1	10/07/23 15:35	10/09/23 16:15		
13C2-PFHxA (S)	91	%	70-130	1	10/07/23 15:35	10/09/23 16:15		
NEtFOSAA-d5 (S)	91	%	70-130	1	10/07/23 15:35	10/09/23 16:15		
HFPO-DAS (S)	94	%	70-130	1	10/07/23 15:35	10/09/23 16:15		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-015	Lab ID: 10671217013	Collected: 09/30/23 08:30	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/14/23 03:34	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 03:34	2058-94-8	
Surrogates								
13C24:2FTS (S)	221	%	50-200	1	10/11/23 16:36	10/14/23 03:34		S3
13C26:2FTS (S)	150	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C28:2FTS (S)	124	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C2-PFDoA (S)	99	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C3HFPO-DA(S)	114	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C3-PFBS (S)	129	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C3-PFHxS (S)	125	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C4-PFBA (S)	114	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C4-PFHpA (S)	112	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C5-PFHxA (S)	117	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C5-PFPeA (S)	118	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C6-PFDA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C7-PFUdA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C8-PFOA (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C8-PFOS (S)	120	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
13C9-PFNA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 03:34		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 16:30	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-015 Lab ID: 10671217013 Collected: 09/30/23 08:30 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 16:30	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 16:30	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 15:35	10/09/23 16:30	72629-94-8	
Surrogates								
13C2-PFDA (S)	97	%	70-130	1	10/07/23 15:35	10/09/23 16:30		
13C2-PFHxA (S)	97	%	70-130	1	10/07/23 15:35	10/09/23 16:30		
NEtFOSAA-d5 (S)	98	%	70-130	1	10/07/23 15:35	10/09/23 16:30		
HFPO-DAS (S)	104	%	70-130	1	10/07/23 15:35	10/09/23 16:30		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-014	Lab ID: 10671217014	Collected: 09/30/23 08:50	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	757124-72-4	
6:2 FTS	ND	ug/L	0.0034	1	10/11/23 16:36	10/14/23 03:51	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	307-24-4	
PFBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 03:51	2058-94-8	
Surrogates								
13C24:2FTS (S)	159	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C26:2FTS (S)	122	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C28:2FTS (S)	119	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C2-PFDoA (S)	109	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C3HFPO-DA(S)	113	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C3-PFBS (S)	122	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C3-PFHxS (S)	115	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C4-PFBA (S)	108	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C4-PFHpA (S)	105	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C5-PFHxA (S)	108	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C5-PFPeA (S)	116	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C6-PFDA (S)	105	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C7-PFUdA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C8-PFOA (S)	102	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C8-PFOS (S)	116	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
13C9-PFNA (S)	102	%	50-200	1	10/11/23 16:36	10/14/23 03:51		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 20:56	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: **W-MN-RIPL-014** Lab ID: **10671217014** Collected: 09/30/23 08:50 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 20:56	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 20:56	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 20:56	72629-94-8	
Surrogates								
13C2-PFDA (S)	91	%	70-130	1	10/07/23 16:01	10/09/23 20:56		
13C2-PFHxA (S)	98	%	70-130	1	10/07/23 16:01	10/09/23 20:56		
NEtFOSAA-d5 (S)	94	%	70-130	1	10/07/23 16:01	10/09/23 20:56		
HFPO-DAS (S)	101	%	70-130	1	10/07/23 16:01	10/09/23 20:56		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-013	Lab ID: 10671217015	Collected: 09/30/23 09:00	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	757124-72-4	
6:2 FTS	ND	ug/L	0.0036	1	10/11/23 16:36	10/14/23 04:07	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/14/23 04:07	2058-94-8	
Surrogates								
13C24:2FTS (S)	219	%	50-200	1	10/11/23 16:36	10/14/23 04:07		S3
13C26:2FTS (S)	143	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C28:2FTS (S)	122	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C2-PFDoA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C3HFPO-DA(S)	105	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C3-PFBS (S)	128	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C3-PFHxS (S)	126	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C4-PFBA (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C4-PFHpA (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C5-PFHxA (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C5-PFPeA (S)	121	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C6-PFDA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C7-PFUdA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C8-PFOA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C8-PFOS (S)	118	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
13C9-PFNA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:07		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 21:27	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-013 Lab ID: 10671217015 Collected: 09/30/23 09:00 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 21:27	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 21:27	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 21:27	72629-94-8	
Surrogates								
13C2-PFDA (S)	82	%	70-130	1	10/07/23 16:01	10/09/23 21:27		
13C2-PFHxA (S)	82	%	70-130	1	10/07/23 16:01	10/09/23 21:27		
NEtFOSAA-d5 (S)	84	%	70-130	1	10/07/23 16:01	10/09/23 21:27		
HFPO-DAS (S)	92	%	70-130	1	10/07/23 16:01	10/09/23 21:27		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-012 Lab ID: 10671217016 Collected: 09/30/23 09:30 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/14/23 04:24	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	307-24-4	
PFBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:24	2058-94-8	
Surrogates								
13C24:2FTS (S)	218	%	50-200	1	10/11/23 16:36	10/14/23 04:24		S3
13C26:2FTS (S)	147	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C28:2FTS (S)	123	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C2-PFDoA (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C3HFPO-DA(S)	118	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C3-PFBS (S)	132	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C3-PFHxS (S)	125	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C4-PFBA (S)	116	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C4-PFHpA (S)	115	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C5-PFHxA (S)	120	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C5-PFPeA (S)	127	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C6-PFDA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C7-PFUdA (S)	109	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C8-PFOA (S)	109	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C8-PFOS (S)	121	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
13C9-PFNA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:24		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:42	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-012 Lab ID: 10671217016 Collected: 09/30/23 09:30 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:42	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:42	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:42	72629-94-8	
Surrogates								
13C2-PFDA (S)	85	%	70-130	1	10/07/23 16:01	10/09/23 21:42		
13C2-PFHxA (S)	86	%	70-130	1	10/07/23 16:01	10/09/23 21:42		
NEtFOSAA-d5 (S)	87	%	70-130	1	10/07/23 16:01	10/09/23 21:42		
HFPO-DAS (S)	89	%	70-130	1	10/07/23 16:01	10/09/23 21:42		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-011	Lab ID: 10671217017	Collected: 09/30/23 09:40	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	757124-72-4	
6:2 FTS	ND	ug/L	0.0034	1	10/11/23 16:36	10/14/23 04:40	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	307-24-4	
PFBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:40	2058-94-8	
Surrogates								
13C24:2FTS (S)	215	%	50-200	1	10/11/23 16:36	10/14/23 04:40		S3
13C26:2FTS (S)	123	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C28:2FTS (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C2-PFDoA (S)	108	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C3HFPO-DA(S)	107	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C3-PFBS (S)	123	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C3-PFHxS (S)	115	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C4-PFBA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C4-PFHpA (S)	107	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C5-PFHxA (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C5-PFPeA (S)	118	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C6-PFDA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C7-PFUdA (S)	117	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C8-PFOA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C8-PFOS (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
13C9-PFNA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 04:40		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:58	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-011 Lab ID: 10671217017 Collected: 09/30/23 09:40 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water Analytical Method: EPA 537.1 Preparation Method: EPA 537.1
Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:58	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:58	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 21:58	72629-94-8	
Surrogates								
13C2-PFDA (S)	87	%	70-130	1	10/07/23 16:01	10/09/23 21:58		
13C2-PFHxA (S)	88	%	70-130	1	10/07/23 16:01	10/09/23 21:58		
NEtFOSAA-d5 (S)	89	%	70-130	1	10/07/23 16:01	10/09/23 21:58		
HFPO-DAS (S)	94	%	70-130	1	10/07/23 16:01	10/09/23 21:58		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-010	Lab ID: 10671217018	Collected: 09/30/23 10:17	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual

533 PFAS Compounds, Water

Analytical Method: EPA 533 Preparation Method: EPA 533

Pace Analytical Services - Ormond Beach

11CI-PF3OUdS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	763051-92-9	
4:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/14/23 04:57	27619-97-2	
8:2 FTS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	756426-58-1	
ADONA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	919005-14-4	
HFPO-DA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	13252-13-6	
NFDHA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	307-24-4	
PFBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	375-22-4	
PFEESA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	113507-82-7	
PFHpS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	375-92-8	
PFMBA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	863090-89-5	
PFMPA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	377-73-1	
PFPeA	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	2706-90-3	
PFPeS	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0017	1	10/11/23 16:36	10/14/23 04:57	2058-94-8	
Surrogates								
13C24:2FTS (S)	141	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C26:2FTS (S)	117	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C28:2FTS (S)	115	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C2-PFDoA (S)	112	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C3HFPO-DA(S)	114	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C3-PFBS (S)	127	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C3-PFHxS (S)	116	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C4-PFBA (S)	108	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C4-PFHpA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C5-PFHxA (S)	111	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C5-PFPeA (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C6-PFDA (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C7-PFUdA (S)	110	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C8-PFOA (S)	103	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C8-PFOS (S)	118	%	50-200	1	10/11/23 16:36	10/14/23 04:57		
13C9-PFNA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 04:57		

537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:14	2991-50-6	
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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-010 **Lab ID: 10671217018** Collected: 09/30/23 10:17 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:14	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:14	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:14	72629-94-8	
Surrogates								
13C2-PFDA (S)	87	%	70-130	1	10/07/23 16:01	10/09/23 22:14		
13C2-PFHxA (S)	98	%	70-130	1	10/07/23 16:01	10/09/23 22:14		
NEtFOSAA-d5 (S)	85	%	70-130	1	10/07/23 16:01	10/09/23 22:14		
HFPO-DAS (S)	101	%	70-130	1	10/07/23 16:01	10/09/23 22:14		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-009	Lab ID: 10671217019	Collected: 09/30/23 10:35	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	763051-92-9	
4:2 FTS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	757124-72-4	
6:2 FTS	ND	ug/L	0.0038	1	10/11/23 16:36	10/14/23 05:13	27619-97-2	
8:2 FTS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	756426-58-1	
ADONA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	919005-14-4	
HFPO-DA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	13252-13-6	
NFDHA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	307-24-4	
PFBA	0.0026	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	375-22-4	
PFEESA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	113507-82-7	
PFHpS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	375-92-8	
PFMBA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	863090-89-5	
PFMPA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	377-73-1	
PFPeA	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	2706-90-3	
PFPeS	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0019	1	10/11/23 16:36	10/14/23 05:13	2058-94-8	
Surrogates								
13C24:2FTS (S)	271	%	50-200	1	10/11/23 16:36	10/14/23 05:13		SO
13C26:2FTS (S)	152	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C28:2FTS (S)	120	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C2-PFDoA (S)	106	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C3HFPO-DA(S)	113	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C3-PFBS (S)	131	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C3-PFHxS (S)	126	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C4-PFBA (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C4-PFHpA (S)	113	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C5-PFHxA (S)	117	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C5-PFPeA (S)	130	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C6-PFDA (S)	99	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C7-PFUdA (S)	104	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C8-PFOA (S)	101	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C8-PFOS (S)	120	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
13C9-PFNA (S)	93	%	50-200	1	10/11/23 16:36	10/14/23 05:13		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:29	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-009 **Lab ID: 10671217019** Collected: 09/30/23 10:35 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:29	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:29	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 22:29	72629-94-8	
Surrogates								
13C2-PFDA (S)	84	%	70-130	1	10/07/23 16:01	10/09/23 22:29		
13C2-PFHxA (S)	83	%	70-130	1	10/07/23 16:01	10/09/23 22:29		
NEtFOSAA-d5 (S)	84	%	70-130	1	10/07/23 16:01	10/09/23 22:29		
HFPO-DAS (S)	88	%	70-130	1	10/07/23 16:01	10/09/23 22:29		

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**ANALYTICAL RESULTS**

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-008	Lab ID: 10671217020	Collected: 09/30/23 11:05	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/11/23 16:36	10/15/23 17:25	27619-97-2	
8:2 FTS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	335-67-1	
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/11/23 16:36	10/15/23 17:25	2058-94-8	
Surrogates								
13C24:2FTS (S)	37	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C26:2FTS (S)	38	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C28:2FTS (S)	32	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C2-PFDoA (S)	28	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C3HFPO-DA(S)	28	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C3-PFBS (S)	33	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C3-PFHxS (S)	32	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C4-PFBA (S)	31	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C4-PFHpA (S)	31	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C5-PFHxA (S)	31	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C5-PFPeA (S)	32	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C6-PFDA (S)	31	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C7-PFUdA (S)	29	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C8-PFOA (S)	31	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C8-PFOS (S)	29	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
13C9-PFNA (S)	32	%	50-200	1	10/11/23 16:36	10/15/23 17:25		S0
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 22:45	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-008 Lab ID: 10671217020 Collected: 09/30/23 11:05 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 22:45	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 22:45	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 22:45	72629-94-8	
Surrogates								
13C2-PFDA (S)	88	%	70-130	1	10/07/23 16:01	10/09/23 22:45		
13C2-PFHxA (S)	99	%	70-130	1	10/07/23 16:01	10/09/23 22:45		
NEtFOSAA-d5 (S)	95	%	70-130	1	10/07/23 16:01	10/09/23 22:45		
HFPO-DAS (S)	101	%	70-130	1	10/07/23 16:01	10/09/23 22:45		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-007	Lab ID: 10671217021	Collected: 09/30/23 11:28	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	757124-72-4	
6:2 FTS	ND	ug/L	0.0036	1	10/12/23 12:28	10/14/23 10:02	27619-97-2	L1
8:2 FTS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	335-67-1	L1
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/14/23 10:02	2058-94-8	
Surrogates								
13C24:2FTS (S)	200	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C26:2FTS (S)	126	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C28:2FTS (S)	111	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C2-PFDoA (S)	97	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C3HFPO-DA(S)	106	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C3-PFBS (S)	122	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C3-PFHxS (S)	113	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C4-PFBA (S)	100	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C4-PFHpA (S)	105	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C5-PFHxA (S)	109	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C5-PFPeA (S)	110	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C6-PFDA (S)	99	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C7-PFUdA (S)	99	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C8-PFOA (S)	101	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C8-PFOS (S)	110	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
13C9-PFNA (S)	99	%	50-200	1	10/12/23 12:28	10/14/23 10:02		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:00	2991-50-6	

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-007 **Lab ID: 10671217021** Collected: 09/30/23 11:28 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:00	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:00	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:00	72629-94-8	
Surrogates								
13C2-PFDA (S)	83	%	70-130	1	10/07/23 16:01	10/09/23 23:00		
13C2-PFHxA (S)	87	%	70-130	1	10/07/23 16:01	10/09/23 23:00		
NEtFOSAA-d5 (S)	83	%	70-130	1	10/07/23 16:01	10/09/23 23:00		
HFPO-DAS (S)	94	%	70-130	1	10/07/23 16:01	10/09/23 23:00		

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-FD	Lab ID: 10671217022	Collected: 09/30/23 00:00	Received: 10/03/23 11:07	Matrix: Drinking Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
533 PFAS Compounds, Water								
Analytical Method: EPA 533 Preparation Method: EPA 533								
Pace Analytical Services - Ormond Beach								
11CI-PF3OUdS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	763051-92-9	
4:2 FTS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	757124-72-4	
6:2 FTS	ND	ug/L	0.0035	1	10/12/23 12:28	10/15/23 17:42	27619-97-2	L1
8:2 FTS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	39108-34-4	
9CI-PF3ONS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	756426-58-1	
ADONA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	919005-14-4	
HFPO-DA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	13252-13-6	
NFDHA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	151772-58-6	
Perfluorobutanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	375-73-5	
Perfluorodecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	335-76-2	
Perfluorohexanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	307-24-4	
PFBA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	375-22-4	
PFEESA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	113507-82-7	
PFHpS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	375-92-8	
PFMBA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	863090-89-5	
PFMPA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	377-73-1	
PFPeA	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	2706-90-3	
PFPeS	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	2706-91-4	
Perfluorododecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	307-55-1	
Perfluoroheptanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	375-85-9	
Perfluorohexanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	355-46-4	
Perfluorononanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	375-95-1	
Perfluorooctanesulfonic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	1763-23-1	
Perfluorooctanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	335-67-1	L1
Perfluoroundecanoic acid	ND	ug/L	0.0018	1	10/12/23 12:28	10/15/23 17:42	2058-94-8	
Surrogates								
13C24:2FTS (S)	145	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C26:2FTS (S)	124	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C28:2FTS (S)	112	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C2-PFDoA (S)	96	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C3HFPO-DA(S)	104	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C3-PFBS (S)	115	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C3-PFHxS (S)	115	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C4-PFBA (S)	106	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C4-PFHpA (S)	105	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C5-PFHxA (S)	106	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C5-PFPeA (S)	110	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C6-PFDA (S)	99	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C7-PFUdA (S)	101	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C8-PFOA (S)	102	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C8-PFOS (S)	109	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
13C9-PFNA (S)	100	%	50-200	1	10/12/23 12:28	10/15/23 17:42		
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:16	2991-50-6	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-FD Lab ID: 10671217022 Collected: 09/30/23 00:00 Received: 10/03/23 11:07 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
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537.1 PFAS Compounds, Water

Analytical Method: EPA 537.1 Preparation Method: EPA 537.1

Pace Analytical Services - Ormond Beach

NMeFOSAA	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:16	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:16	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0018	1	10/07/23 16:01	10/09/23 23:16	72629-94-8	
Surrogates								
13C2-PFDA (S)	85	%	70-130	1	10/07/23 16:01	10/09/23 23:16		
13C2-PFHxA (S)	89	%	70-130	1	10/07/23 16:01	10/09/23 23:16		
NEtFOSAA-d5 (S)	88	%	70-130	1	10/07/23 16:01	10/09/23 23:16		
HFPO-DAS (S)	93	%	70-130	1	10/07/23 16:01	10/09/23 23:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: PFAS Drinking Water

Pace Project No.: 10671217

Sample: W-MN-RIPL-QA/QC Lab ID: 10671217023 Collected: 09/29/23 14:20 Received: 10/03/23 11:08 Matrix: Drinking Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
537.1 PFAS Compounds, Water								
Analytical Method: EPA 537.1 Preparation Method: EPA 537.1								
Pace Analytical Services - Ormond Beach								
NEtFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 23:32	2991-50-6	
NMeFOSAA	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 23:32	2355-31-9	
Perfluorotetradecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 23:32	376-06-7	
Perfluorotridecanoic acid	ND	ug/L	0.0017	1	10/07/23 16:01	10/09/23 23:32	72629-94-8	
Surrogates								
13C2-PFDA (S)	86	%	70-130	1	10/07/23 16:01	10/09/23 23:32		
13C2-PFHxA (S)	87	%	70-130	1	10/07/23 16:01	10/09/23 23:32		
NEtFOSAA-d5 (S)	88	%	70-130	1	10/07/23 16:01	10/09/23 23:32		
HFPO-DAS (S)	94	%	70-130	1	10/07/23 16:01	10/09/23 23:32		

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

QC Batch: 955978

Analysis Method: EPA 533

QC Batch Method: EPA 533

Analysis Description: 533 PFAS Compounds, Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 10671217001, 10671217003, 10671217006, 10671217007, 10671217008, 10671217011

METHOD BLANK: 5257715

Matrix: Drinking Water

Associated Lab Samples: 10671217001, 10671217003, 10671217006, 10671217007, 10671217008, 10671217011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ug/L	ND	0.0020	10/09/23 14:04	
4:2 FTS	ug/L	ND	0.0020	10/09/23 14:04	
6:2 FTS	ug/L	ND	0.0040	10/09/23 14:04	
8:2 FTS	ug/L	ND	0.0020	10/09/23 14:04	
9CI-PF3ONS	ug/L	ND	0.0020	10/09/23 14:04	
ADONA	ug/L	ND	0.0020	10/09/23 14:04	
HFPO-DA	ug/L	ND	0.0020	10/09/23 14:04	
NFDHA	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorobutanesulfonic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorodecanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorododecanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluoroheptanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorohexanesulfonic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorohexanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorononanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorooctanesulfonic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluorooctanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
Perfluoroundecanoic acid	ug/L	ND	0.0020	10/09/23 14:04	
PFBA	ug/L	ND	0.0020	10/09/23 14:04	
PFEESA	ug/L	ND	0.0020	10/09/23 14:04	
PFHpS	ug/L	ND	0.0020	10/09/23 14:04	
PFMBA	ug/L	ND	0.0020	10/09/23 14:04	
PFMPA	ug/L	ND	0.0020	10/09/23 14:04	
PFPeA	ug/L	ND	0.0020	10/09/23 14:04	
PFPeS	ug/L	ND	0.0020	10/09/23 14:04	
13C2-PFDoA (S)	%	116	50-200	10/09/23 14:04	
13C24:2FTS (S)	%	109	50-200	10/09/23 14:04	
13C26:2FTS (S)	%	99	50-200	10/09/23 14:04	
13C28:2FTS (S)	%	104	50-200	10/09/23 14:04	
13C3-PFBS (S)	%	132	50-200	10/09/23 14:04	
13C3-PFHxS (S)	%	127	50-200	10/09/23 14:04	
13C3HFPO-DA(S)	%	106	50-200	10/09/23 14:04	
13C4-PFBA (S)	%	121	50-200	10/09/23 14:04	
13C4-PFHpa (S)	%	113	50-200	10/09/23 14:04	
13C5-PFHxA (S)	%	119	50-200	10/09/23 14:04	
13C5-PFPeA (S)	%	116	50-200	10/09/23 14:04	
13C6-PFDA (S)	%	110	50-200	10/09/23 14:04	
13C7-PFUdA (S)	%	109	50-200	10/09/23 14:04	
13C8-PFOA (S)	%	112	50-200	10/09/23 14:04	
13C8-PFOS (S)	%	122	50-200	10/09/23 14:04	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

METHOD BLANK: 5257715

Matrix: Drinking Water

Associated Lab Samples: 10671217001, 10671217003, 10671217006, 10671217007, 10671217008, 10671217011

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C9-PFNA (S)	%	107	50-200	10/09/23 14:04	

LABORATORY CONTROL SAMPLE: 5257716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.038	0.029	77	70-130	
4:2 FTS	ug/L	0.038	0.029	77	70-130	
6:2 FTS	ug/L	0.038	0.029	78	70-130	
8:2 FTS	ug/L	0.038	0.030	78	70-130	
9CI-PF3ONS	ug/L	0.038	0.029	76	70-130	
ADONA	ug/L	0.038	0.026	70	70-130	
HFPO-DA	ug/L	0.04	0.030	76	70-130	
NFDHA	ug/L	0.04	0.029	72	70-130	
Perfluorobutanesulfonic acid	ug/L	0.036	0.028	77	70-130	
Perfluorodecanoic acid	ug/L	0.04	0.031	77	70-130	
Perfluorododecanoic acid	ug/L	0.04	0.031	77	70-130	
Perfluoroheptanoic acid	ug/L	0.04	0.029	73	70-130	
Perfluorohexanesulfonic acid	ug/L	0.036	0.028	79	70-130	
Perfluorohexanoic acid	ug/L	0.04	0.030	75	70-130	
Perfluorononanoic acid	ug/L	0.04	0.040	101	70-130	
Perfluorooctanesulfonic acid	ug/L	0.038	0.028	75	70-130	
Perfluorooctanoic acid	ug/L	0.04	0.042	104	70-130	
Perfluoroundecanoic acid	ug/L	0.04	0.031	78	70-130	
PFBA	ug/L	0.04	0.031	78	70-130	
PFEESA	ug/L	0.036	0.028	78	70-130	
PFHpS	ug/L	0.038	0.031	80	70-130	
PFMBA	ug/L	0.04	0.030	76	70-130	
PFMPA	ug/L	0.04	0.030	76	70-130	
PFPeA	ug/L	0.04	0.032	80	70-130	
PFPeS	ug/L	0.038	0.029	77	70-130	
13C2-PFDoA (S)	%			136	50-200	
13C24:2FTS (S)	%			123	50-200	
13C26:2FTS (S)	%			113	50-200	
13C28:2FTS (S)	%			118	50-200	
13C3-PFBS (S)	%			161	50-200	
13C3-PFHxS (S)	%			155	50-200	
13C3HFPO-DA(S)	%			128	50-200	
13C4-PFBA (S)	%			138	50-200	
13C4-PFHpA (S)	%			140	50-200	
13C5-PFHxA (S)	%			146	50-200	
13C5-PFPeA (S)	%			141	50-200	
13C6-PFDA (S)	%			136	50-200	
13C7-PFUdA (S)	%			140	50-200	
13C8-PFOA (S)	%			134	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5257716

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			149	50-200	
13C9-PFNA (S)	%			130	50-200	

LABORATORY CONTROL SAMPLE: 5257717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.0019	.0015J	77	50-150	
4:2 FTS	ug/L	0.0019	.0015J	81	50-150	
6:2 FTS	ug/L	0.0019	ND	83	50-150	
8:2 FTS	ug/L	0.0019	.0016J	83	50-150	
9CI-PF3ONS	ug/L	0.0019	.0016J	86	50-150	
ADONA	ug/L	0.0019	.0014J	75	50-150	
HFPO-DA	ug/L	0.002	.0017J	85	50-150	
NFDHA	ug/L	0.002	.0015J	75	50-150	
Perfluorobutanesulfonic acid	ug/L	0.0018	.0016J	86	50-150	
Perfluorodecanoic acid	ug/L	0.002	.0016J	80	50-150	
Perfluorododecanoic acid	ug/L	0.002	.0017J	84	50-150	
Perfluoroheptanoic acid	ug/L	0.002	.0017J	83	50-150	
Perfluorohexanesulfonic acid	ug/L	0.0018	.0017J	93	50-150	
Perfluorohexanoic acid	ug/L	0.002	.0018J	89	50-150	
Perfluorononanoic acid	ug/L	0.002	0.0023	117	50-150	
Perfluorooctanesulfonic acid	ug/L	0.0019	.0015J	81	50-150	
Perfluorooctanoic acid	ug/L	0.002	0.0023	114	50-150	
Perfluoroundecanoic acid	ug/L	0.002	.0016J	80	50-150	
PFBA	ug/L	0.002	.0019J	93	50-150	
PFEESA	ug/L	0.0018	.0016J	87	50-150	
PFHpS	ug/L	0.0019	.0016J	84	50-150	
PFMBA	ug/L	0.002	.0016J	78	50-150	
PFMPA	ug/L	0.002	.0016J	81	50-150	
PFPeA	ug/L	0.002	.0018J	90	50-150	
PFPeS	ug/L	0.0019	.0016J	85	50-150	
13C2-PFDoA (S)	%			94	50-200	
13C24:2FTS (S)	%			119	50-200	
13C26:2FTS (S)	%			110	50-200	
13C28:2FTS (S)	%			115	50-200	
13C3-PFBS (S)	%			114	50-200	
13C3-PFHxS (S)	%			107	50-200	
13C3HFPO-DA(S)	%			80	50-200	
13C4-PFBA (S)	%			95	50-200	
13C4-PFHpA (S)	%			92	50-200	
13C5-PFHxA (S)	%			95	50-200	
13C5-PFPeA (S)	%			90	50-200	
13C6-PFDA (S)	%			95	50-200	
13C7-PFUdA (S)	%			97	50-200	
13C8-PFOA (S)	%			94	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5257717

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			106	50-200	
13C9-PFNA (S)	%			88	50-200	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5257724 5257725

Parameter	Units	35830524004		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
		Result	Conc.	Conc.	Result	Result	% Rec	% Rec					
11CI-PF3OUdS	ug/L	0.47U ng/L	0.0019	0.0019	.0015J	.0016J	77	85	70-130		30		
4:2 FTS	ug/L	0.61U ng/L	0.0019	0.0019	.0016J	.0016J	85	82	70-130		30		
6:2 FTS	ug/L	11.1 ng/L	0.0019	0.0019	ND	0.0047	-518	-335	70-130		30	M1	
8:2 FTS	ug/L	0.52U ng/L	0.0019	0.0019	.0016J	.0016J	85	84	70-130		30		
9CI-PF3ONS	ug/L	0.54U ng/L	0.0019	0.0019	.0014J	.0016J	76	85	70-130		30		
ADONA	ug/L	0.46U ng/L	0.0019	0.0019	.0014J	.0016J	72	81	70-130		30		
HFPO-DA	ug/L	0.79U ng/L	0.002	0.002	.0014J	.0016J	64	74	70-130		30	M1	
NFDHA	ug/L	0.32U ng/L	0.002	0.002	.0016J	.0017J	74	78	70-130		30		
Perfluorobutanesulfonic acid	ug/L	5.2 ng/L	0.0018	0.0018	0.0067	0.0073	85	115	70-130		9	30	
Perfluorodecanoic acid	ug/L	0.34U ng/L	0.002	0.002	.0017J	.0017J	82	84	70-130		30		
Perfluorododecanoic acid	ug/L	0.58U ng/L	0.002	0.002	.0017J	.0018J	85	87	70-130		30		
Perfluoroheptanoic acid	ug/L	0.81J ng/L	0.002	0.002	0.0023	0.0024	77	78	70-130		2	30	
Perfluorohexanesulfonic acid	ug/L	2.5 ng/L	0.0018	0.0018	0.0040	0.0043	84	96	70-130		6	30	
Perfluorohexanoic acid	ug/L	1.3J ng/L	0.002	0.002	0.0030	0.0031	85	88	70-130		3	30	
Perfluorononanoic acid	ug/L	0.36U ng/L	0.002	0.002	0.0022	0.0022	101	98	70-130		0	30	
Perfluorooctanesulfonic acid	ug/L	4.0 ng/L	0.0019	0.0019	0.0053	0.0056	70	84	70-130		6	30	
Perfluorooctanoic acid	ug/L	3.1 ng/L	0.002	0.002	0.0055	0.0057	119	125	70-130		3	30	
Perfluoroundecanoic acid	ug/L	0.45U ng/L	0.002	0.002	.0016J	.0018J	83	87	70-130		30		
PFBA	ug/L	2.8 ng/L	0.002	0.002	0.0034	0.0037	32	45	70-130		8	30	M1
PFEESA	ug/L	0.38U ng/L	0.0018	0.0018	.0015J	.0016J	85	86	70-130		30		
PFHpS	ug/L	0.43U ng/L	0.0019	0.0019	.0018J	.0018J	89	90	70-130		30		
PFMBA	ug/L	0.28U ng/L	0.002	0.002	.0016J	.0018J	81	87	70-130		30		
PFMPA	ug/L	0.36U ng/L	0.002	0.002	.0016J	.0017J	80	82	70-130		30		
PFPeA	ug/L	1.6J ng/L	0.002	0.002	0.0033	0.0034	85	85	70-130		1	30	
PFPeS	ug/L	0.39J ng/L	0.0019	0.0019	.0019J	.0019J	80	80	70-130		30		

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 5257724												5257725	
Parameter	Units	35830524004 Result	MS	MSD	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual	
			Spike Conc.	Spike Conc.									
13C2-PFDoA (S)	%						99	91	50-200				
13C24:2FTS (S)	%						111	97	50-200				
13C26:2FTS (S)	%						94	83	50-200				
13C28:2FTS (S)	%						90	83	50-200				
13C3-PFBS (S)	%						132	115	50-200				
13C3-PFHxS (S)	%						128	109	50-200				
13C3HFPO-DA(S)	%						100	83	50-200				
13C4-PFBA (S)	%						104	89	50-200				
13C4-PFHpA (S)	%						106	91	50-200				
13C5-PFHxA (S)	%						111	96	50-200				
13C5-PFPeA (S)	%						105	91	50-200				
13C6-PFDA (S)	%						100	88	50-200				
13C7-PFUdA (S)	%						100	90	50-200				
13C8-PFOA (S)	%						104	90	50-200				
13C8-PFOS (S)	%						120	106	50-200				
13C9-PFNA (S)	%						106	91	50-200				

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

QC Batch: 957226

Analysis Method: EPA 533

QC Batch Method: EPA 533

Analysis Description: 533 PFAS Compounds, Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 10671217004, 10671217005, 10671217009, 10671217010, 10671217012, 10671217013, 10671217014, 10671217015, 10671217016, 10671217017, 10671217018, 10671217019, 10671217020

METHOD BLANK: 5264006

Matrix: Drinking Water

Associated Lab Samples: 10671217004, 10671217005, 10671217009, 10671217010, 10671217012, 10671217013, 10671217014, 10671217015, 10671217016, 10671217017, 10671217018, 10671217019, 10671217020

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11Cl-PF3OUdS	ug/L	ND	0.0020	10/13/23 22:54	
4:2 FTS	ug/L	ND	0.0020	10/13/23 22:54	
6:2 FTS	ug/L	ND	0.0040	10/13/23 22:54	
8:2 FTS	ug/L	ND	0.0020	10/13/23 22:54	
9Cl-PF3ONS	ug/L	ND	0.0020	10/13/23 22:54	
ADONA	ug/L	ND	0.0020	10/13/23 22:54	
HFPO-DA	ug/L	ND	0.0020	10/13/23 22:54	
NFDHA	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorobutanesulfonic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorodecanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorododecanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluoroheptanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorohexanesulfonic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorohexanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorononanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorooctanesulfonic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluorooctanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
Perfluoroundecanoic acid	ug/L	ND	0.0020	10/13/23 22:54	
PFBA	ug/L	ND	0.0020	10/13/23 22:54	
PFEESA	ug/L	ND	0.0020	10/13/23 22:54	
PFHpS	ug/L	ND	0.0020	10/13/23 22:54	
PFMBA	ug/L	ND	0.0020	10/13/23 22:54	
PFMPA	ug/L	ND	0.0020	10/13/23 22:54	
PFPeA	ug/L	ND	0.0020	10/13/23 22:54	
PFPeS	ug/L	ND	0.0020	10/13/23 22:54	
13C2-PFDoA (S)	%	107	50-200	10/13/23 22:54	
13C24:2FTS (S)	%	114	50-200	10/13/23 22:54	
13C26:2FTS (S)	%	122	50-200	10/13/23 22:54	
13C28:2FTS (S)	%	111	50-200	10/13/23 22:54	
13C3-PFBS (S)	%	117	50-200	10/13/23 22:54	
13C3-PFHxS (S)	%	114	50-200	10/13/23 22:54	
13C3HFPO-DA(S)	%	99	50-200	10/13/23 22:54	
13C4-PFBA (S)	%	104	50-200	10/13/23 22:54	
13C4-PFHpA (S)	%	100	50-200	10/13/23 22:54	
13C5-PFHxA (S)	%	96	50-200	10/13/23 22:54	
13C5-PFPeA (S)	%	107	50-200	10/13/23 22:54	
13C6-PFDA (S)	%	110	50-200	10/13/23 22:54	
13C7-PFUdA (S)	%	107	50-200	10/13/23 22:54	
13C8-PFOA (S)	%	108	50-200	10/13/23 22:54	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

METHOD BLANK: 5264006

Matrix: Drinking Water

Associated Lab Samples: 10671217004, 10671217005, 10671217009, 10671217010, 10671217012, 10671217013, 10671217014, 10671217015, 10671217016, 10671217017, 10671217018, 10671217019, 10671217020

Table with 6 columns: Parameter, Units, Blank Result, Reporting Limit, Analyzed, Qualifiers. Rows include 13C8-PFOS (S) and 13C9-PFNA (S).

LABORATORY CONTROL SAMPLE: 5264007

Table with 7 columns: Parameter, Units, Spike Conc., LCS Result, LCS % Rec, % Rec Limits, Qualifiers. Lists various PFAS compounds and their results.

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5264007

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C7-PFUdA (S)	%			114	50-200	
13C8-PFOA (S)	%			104	50-200	
13C8-PFOS (S)	%			118	50-200	
13C9-PFNA (S)	%			112	50-200	

LABORATORY CONTROL SAMPLE: 5264008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.0019	.0016J	82	50-150	
4:2 FTS	ug/L	0.0019	.0017J	89	50-150	
6:2 FTS	ug/L	0.0019	ND	103	50-150	
8:2 FTS	ug/L	0.0019	.0016J	85	50-150	
9CI-PF3ONS	ug/L	0.0019	.0015J	80	50-150	
ADONA	ug/L	0.0019	.0015J	80	50-150	
HFPO-DA	ug/L	0.002	.0018J	88	50-150	
NFDHA	ug/L	0.002	.0018J	88	50-150	
Perfluorobutanesulfonic acid	ug/L	0.0018	.0017J	97	50-150	
Perfluorodecanoic acid	ug/L	0.002	.0017J	83	50-150	
Perfluorododecanoic acid	ug/L	0.002	.0017J	85	50-150	
Perfluoroheptanoic acid	ug/L	0.002	.0016J	82	50-150	
Perfluorohexanesulfonic acid	ug/L	0.0018	.0016J	87	50-150	
Perfluorohexanoic acid	ug/L	0.002	.0017J	87	50-150	
Perfluorononanoic acid	ug/L	0.002	0.0021	103	50-150	
Perfluorooctanesulfonic acid	ug/L	0.0019	.0015J	81	50-150	
Perfluorooctanoic acid	ug/L	0.002	0.0022	112	50-150	
Perfluoroundecanoic acid	ug/L	0.002	.0016J	80	50-150	
PFBA	ug/L	0.002	.0017J	85	50-150	
PFEESA	ug/L	0.0018	.0015J	81	50-150	
PFHpS	ug/L	0.0019	.0015J	78	50-150	
PFMBA	ug/L	0.002	.0017J	84	50-150	
PFMPA	ug/L	0.002	.0016J	80	50-150	
PFPeA	ug/L	0.002	.0016J	82	50-150	
PFPeS	ug/L	0.0019	.0015J	77	50-150	
13C2-PFDoA (S)	%			110	50-200	
13C24:2FTS (S)	%			113	50-200	
13C26:2FTS (S)	%			110	50-200	
13C28:2FTS (S)	%			112	50-200	
13C3-PFBS (S)	%			113	50-200	
13C3-PFHxS (S)	%			115	50-200	
13C3HFPO-DA(S)	%			93	50-200	
13C4-PFBA (S)	%			92	50-200	
13C4-PFHpA (S)	%			97	50-200	
13C5-PFHxA (S)	%			97	50-200	
13C5-PFPeA (S)	%			95	50-200	
13C6-PFDA (S)	%			110	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5264008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C7-PFUdA (S)	%			111	50-200	
13C8-PFOA (S)	%			101	50-200	
13C8-PFOS (S)	%			114	50-200	
13C9-PFNA (S)	%			106	50-200	

MATRIX SPIKE SAMPLE: 5264009

Parameter	Units	35830995002 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.00040U	0.0067	0.0058	87	70-130	
4:2 FTS	ug/L	0.00051U	0.0067	0.0059	88	70-130	
6:2 FTS	ug/L	0.0032U	0.0067	0.0058	82	70-130	
8:2 FTS	ug/L	0.00043U	0.0067	0.0059	89	70-130	
9CI-PF3ONS	ug/L	0.00045U	0.0067	0.0056	84	70-130	
ADONA	ug/L	0.00039U	0.0067	0.0051	77	70-130	
HFPO-DA	ug/L	0.00067U	0.007	0.0057	81	70-130	
NFDHA	ug/L	0.00027U	0.007	0.0062	88	70-130	
Perfluorobutanesulfonic acid	ug/L	0.00046J	0.0063	0.0054	79	70-130	
Perfluorodecanoic acid	ug/L	0.00028U	0.007	0.0057	80	70-130	
Perfluorododecanoic acid	ug/L	0.00049U	0.007	0.0057	81	70-130	
Perfluoroheptanoic acid	ug/L	0.00040U	0.007	0.0059	81	70-130	
Perfluorohexanesulfonic acid	ug/L	0.00034U	0.0063	0.0052	83	70-130	
Perfluorohexanoic acid	ug/L	0.00065J	0.007	0.0071	91	70-130	
Perfluorononanoic acid	ug/L	0.00030U	0.007	0.0072	101	70-130	
Perfluorooctanesulfonic acid	ug/L	0.00032U	0.0067	0.0055	83	70-130	
Perfluorooctanoic acid	ug/L	0.00028U	0.007	0.0079	110	70-130	
Perfluoroundecanoic acid	ug/L	0.00038U	0.007	0.0057	80	70-130	
PFBA	ug/L	0.0013J	0.007	0.0073	85	70-130	
PFEESA	ug/L	0.00032U	0.0063	0.0051	81	70-130	
PFHpS	ug/L	0.00036U	0.0067	0.0054	81	70-130	
PFMBA	ug/L	0.00024U	0.007	0.0060	85	70-130	
PFMPA	ug/L	0.00030U	0.007	0.0058	82	70-130	
PFPeA	ug/L	0.0010J	0.007	0.0067	82	70-130	
PFPeS	ug/L	0.00032U	0.0067	0.0057	85	70-130	
13C2-PFDoA (S)	%				114	50-200	
13C24:2FTS (S)	%				117	50-200	
13C26:2FTS (S)	%				118	50-200	
13C28:2FTS (S)	%				111	50-200	
13C3-PFBS (S)	%				118	50-200	
13C3-PFHxS (S)	%				114	50-200	
13C3HFPO-DA(S)	%				100	50-200	
13C4-PFBA (S)	%				100	50-200	
13C4-PFHpA (S)	%				97	50-200	
13C5-PFHxA (S)	%				98	50-200	
13C5-PFPeA (S)	%				103	50-200	
13C6-PFDA (S)	%				116	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

MATRIX SPIKE SAMPLE: 5264009		35830995002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
13C7-PFUdA (S)	%				117	50-200	
13C8-PFOA (S)	%				98	50-200	
13C8-PFOS (S)	%				115	50-200	
13C9-PFNA (S)	%				106	50-200	

SAMPLE DUPLICATE: 5264010

Parameter	Units	35830995003	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
11CI-PF3OUdS	ug/L	0.00039U	ND		30	
4:2 FTS	ug/L	0.00051U	ND		30	
6:2 FTS	ug/L	0.0031U	ND		30	
8:2 FTS	ug/L	0.00043U	ND		30	
9CI-PF3ONS	ug/L	0.00045U	ND		30	
ADONA	ug/L	0.00038U	ND		30	
HFPO-DA	ug/L	0.00065U	ND		30	
NFDHA	ug/L	0.00030J	ND		30	
Perfluorobutanesulfonic acid	ug/L	0.00051J	ND		30	
Perfluorodecanoic acid	ug/L	0.00028U	ND		30	
Perfluorododecanoic acid	ug/L	0.00048U	ND		30	
Perfluoroheptanoic acid	ug/L	0.00039U	ND		30	
Perfluorohexanesulfonic acid	ug/L	0.00033U	ND		30	
Perfluorohexanoic acid	ug/L	0.00060J	.00053J		30	
Perfluorononanoic acid	ug/L	0.00030U	ND		30	
Perfluorooctanesulfonic acid	ug/L	0.00031U	ND		30	
Perfluorooctanoic acid	ug/L	0.00036J	.00038J		30	
Perfluoroundecanoic acid	ug/L	0.00038U	ND		30	
PFBA	ug/L	0.0011J	.0014J		30	
PFEESA	ug/L	0.00031U	ND		30	
PFHpS	ug/L	0.00036U	ND		30	
PFMBA	ug/L	0.00024U	ND		30	
PFMPA	ug/L	0.00030U	ND		30	
PFPeA	ug/L	0.00083J	.00087J		30	
PFPeS	ug/L	0.00031U	ND		30	
13C2-PFDoA (S)	%	112	102			
13C24:2FTS (S)	%	123	126			
13C26:2FTS (S)	%	107	118			
13C28:2FTS (S)	%	108	118			
13C3-PFBS (S)	%	116	126			
13C3-PFHxS (S)	%	114	116			
13C3HFPO-DA(S)	%	98	97			
13C4-PFBA (S)	%	103	107			
13C4-PFHpA (S)	%	97	103			
13C5-PFHxA (S)	%	101	108			
13C5-PFPeA (S)	%	109	112			
13C6-PFDA (S)	%	108	103			

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QUALITY CONTROL DATA

Project: PFAS Drinking Water
 Pace Project No.: 10671217

SAMPLE DUPLICATE: 5264010

Parameter	Units	35830995003 Result	Dup Result	RPD	Max RPD	Qualifiers
13C7-PFUdA (S)	%	113	105			
13C8-PFOA (S)	%	98	102			
13C8-PFOS (S)	%	113	114			
13C9-PFNA (S)	%	102	100			

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

QC Batch: 957447

Analysis Method: EPA 533

QC Batch Method: EPA 533

Analysis Description: 533 PFAS Compounds, Water

Laboratory: Pace Analytical Services - Ormond Beach

Associated Lab Samples: 10671217021, 10671217022

METHOD BLANK: 5265434

Matrix: Drinking Water

Associated Lab Samples: 10671217021, 10671217022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
11CI-PF3OUdS	ug/L	ND	0.0020	10/14/23 09:12	
4:2 FTS	ug/L	ND	0.0020	10/14/23 09:12	
6:2 FTS	ug/L	ND	0.0040	10/14/23 09:12	
8:2 FTS	ug/L	ND	0.0020	10/14/23 09:12	
9CI-PF3ONS	ug/L	ND	0.0020	10/14/23 09:12	
ADONA	ug/L	ND	0.0020	10/14/23 09:12	
HFPO-DA	ug/L	ND	0.0020	10/14/23 09:12	
NFDHA	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorobutanesulfonic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorodecanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorododecanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluoroheptanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorohexanesulfonic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorohexanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorononanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorooctanesulfonic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluorooctanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
Perfluoroundecanoic acid	ug/L	ND	0.0020	10/14/23 09:12	
PFBA	ug/L	ND	0.0020	10/14/23 09:12	
PFEESA	ug/L	ND	0.0020	10/14/23 09:12	
PFHpS	ug/L	ND	0.0020	10/14/23 09:12	
PFMBA	ug/L	ND	0.0020	10/14/23 09:12	
PFMPA	ug/L	ND	0.0020	10/14/23 09:12	
PFPeA	ug/L	ND	0.0020	10/14/23 09:12	
PFPeS	ug/L	ND	0.0020	10/14/23 09:12	
13C2-PFDoA (S)	%	108	50-200	10/14/23 09:12	
13C24:2FTS (S)	%	115	50-200	10/14/23 09:12	
13C26:2FTS (S)	%	113	50-200	10/14/23 09:12	
13C28:2FTS (S)	%	108	50-200	10/14/23 09:12	
13C3-PFBS (S)	%	110	50-200	10/14/23 09:12	
13C3-PFHxS (S)	%	106	50-200	10/14/23 09:12	
13C3HFPO-DA(S)	%	107	50-200	10/14/23 09:12	
13C4-PFBA (S)	%	106	50-200	10/14/23 09:12	
13C4-PFHpa (S)	%	101	50-200	10/14/23 09:12	
13C5-PFHxA (S)	%	103	50-200	10/14/23 09:12	
13C5-PFPeA (S)	%	106	50-200	10/14/23 09:12	
13C6-PFDA (S)	%	108	50-200	10/14/23 09:12	
13C7-PFUdA (S)	%	111	50-200	10/14/23 09:12	
13C8-PFOA (S)	%	101	50-200	10/14/23 09:12	
13C8-PFOS (S)	%	108	50-200	10/14/23 09:12	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

METHOD BLANK: 5265434

Matrix: Drinking Water

Associated Lab Samples: 10671217021, 10671217022

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
13C9-PFNA (S)	%	105	50-200	10/14/23 09:12	

LABORATORY CONTROL SAMPLE: 5265435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.038	0.042	111	70-130	
4:2 FTS	ug/L	0.038	0.038	99	70-130	
6:2 FTS	ug/L	0.038	0.056	147	70-130	L1
8:2 FTS	ug/L	0.038	0.039	103	70-130	
9CI-PF3ONS	ug/L	0.038	0.039	102	70-130	
ADONA	ug/L	0.038	0.036	95	70-130	
HFPO-DA	ug/L	0.04	0.038	94	70-130	
NFDHA	ug/L	0.04	0.040	99	70-130	
Perfluorobutanesulfonic acid	ug/L	0.036	0.035	96	70-130	
Perfluorodecanoic acid	ug/L	0.04	0.040	100	70-130	
Perfluorododecanoic acid	ug/L	0.04	0.041	102	70-130	
Perfluoroheptanoic acid	ug/L	0.04	0.040	99	70-130	
Perfluorohexanesulfonic acid	ug/L	0.036	0.035	97	70-130	
Perfluorohexanoic acid	ug/L	0.04	0.041	102	70-130	
Perfluorononanoic acid	ug/L	0.04	0.049	123	70-130	
Perfluorooctanesulfonic acid	ug/L	0.038	0.037	96	70-130	
Perfluorooctanoic acid	ug/L	0.04	0.053	133	70-130	L1
Perfluoroundecanoic acid	ug/L	0.04	0.040	101	70-130	
PFBA	ug/L	0.04	0.040	100	70-130	
PFEESA	ug/L	0.036	0.036	101	70-130	
PFHpS	ug/L	0.038	0.037	97	70-130	
PFMBA	ug/L	0.04	0.039	98	70-130	
PFMPA	ug/L	0.04	0.038	94	70-130	
PFPeA	ug/L	0.04	0.040	100	70-130	
PFPeS	ug/L	0.038	0.035	93	70-130	
13C2-PFDoA (S)	%			119	50-200	
13C24:2FTS (S)	%			124	50-200	
13C26:2FTS (S)	%			117	50-200	
13C28:2FTS (S)	%			113	50-200	
13C3-PFBS (S)	%			115	50-200	
13C3-PFHxS (S)	%			112	50-200	
13C3HFPO-DA(S)	%			109	50-200	
13C4-PFBA (S)	%			101	50-200	
13C4-PFHpA (S)	%			103	50-200	
13C5-PFHxA (S)	%			105	50-200	
13C5-PFPeA (S)	%			101	50-200	
13C6-PFDA (S)	%			112	50-200	
13C7-PFUdA (S)	%			121	50-200	
13C8-PFOA (S)	%			104	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5265435

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			112	50-200	
13C9-PFNA (S)	%			109	50-200	

LABORATORY CONTROL SAMPLE: 5265436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.0019	.0017J	90	50-150	
4:2 FTS	ug/L	0.0019	.0018J	97	50-150	
6:2 FTS	ug/L	0.0019	ND	99	50-150	
8:2 FTS	ug/L	0.0019	ND	103	50-150	
9CI-PF3ONS	ug/L	0.0019	.0017J	88	50-150	
ADONA	ug/L	0.0019	.0016J	86	50-150	
HFPO-DA	ug/L	0.002	ND	99	50-150	
NFDHA	ug/L	0.002	.0018J	92	50-150	
Perfluorobutanesulfonic acid	ug/L	0.0018	.0018J	97	50-150	
Perfluorodecanoic acid	ug/L	0.002	.0018J	90	50-150	
Perfluorododecanoic acid	ug/L	0.002	.0018J	90	50-150	
Perfluoroheptanoic acid	ug/L	0.002	.0017J	86	50-150	
Perfluorohexanesulfonic acid	ug/L	0.0018	.0018J	101	50-150	
Perfluorohexanoic acid	ug/L	0.002	.0019J	94	50-150	
Perfluorononanoic acid	ug/L	0.002	0.0022	112	50-150	
Perfluorooctanesulfonic acid	ug/L	0.0019	.0018J	97	50-150	
Perfluorooctanoic acid	ug/L	0.002	0.0023	113	50-150	
Perfluoroundecanoic acid	ug/L	0.002	.0018J	88	50-150	
PFBA	ug/L	0.002	.0018J	90	50-150	
PFEESA	ug/L	0.0018	.0016J	89	50-150	
PFHpS	ug/L	0.0019	.0016J	87	50-150	
PFMBA	ug/L	0.002	.0019J	95	50-150	
PFMPA	ug/L	0.002	.0017J	86	50-150	
PFPeA	ug/L	0.002	.0017J	87	50-150	
PFPeS	ug/L	0.0019	.0019J	99	50-150	
13C2-PFDoA (S)	%			104	50-200	
13C24:2FTS (S)	%			114	50-200	
13C26:2FTS (S)	%			104	50-200	
13C28:2FTS (S)	%			103	50-200	
13C3-PFBS (S)	%			113	50-200	
13C3-PFHxS (S)	%			104	50-200	
13C3HFPO-DA(S)	%			103	50-200	
13C4-PFBA (S)	%			92	50-200	
13C4-PFHpA (S)	%			95	50-200	
13C5-PFHxA (S)	%			97	50-200	
13C5-PFPeA (S)	%			91	50-200	
13C6-PFDA (S)	%			103	50-200	
13C7-PFUdA (S)	%			104	50-200	
13C8-PFOA (S)	%			99	50-200	

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REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

LABORATORY CONTROL SAMPLE: 5265436

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
13C8-PFOS (S)	%			107	50-200	
13C9-PFNA (S)	%			100	50-200	

MATRIX SPIKE SAMPLE: 5265437

Parameter	Units	35830995012 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
11CI-PF3OUdS	ug/L	0.00041U	0.034	0.032	95	70-130	
4:2 FTS	ug/L	0.00053U	0.034	0.032	93	70-130	
6:2 FTS	ug/L	0.0049	0.034	0.034	85	70-130	
8:2 FTS	ug/L	0.00045U	0.034	0.031	92	70-130	
9CI-PF3ONS	ug/L	0.00047U	0.034	0.032	93	70-130	
ADONA	ug/L	0.00040U	0.034	0.030	87	70-130	
HFPO-DA	ug/L	0.00069U	0.036	0.033	92	70-130	
NFDHA	ug/L	0.00028U	0.036	0.033	92	70-130	
Perfluorobutanesulfonic acid	ug/L	0.00068J	0.032	0.029	89	70-130	
Perfluorodecanoic acid	ug/L	0.00029U	0.036	0.034	95	70-130	
Perfluorododecanoic acid	ug/L	0.00051U	0.036	0.034	96	70-130	
Perfluoroheptanoic acid	ug/L	0.00041U	0.036	0.034	93	70-130	
Perfluorohexanesulfonic acid	ug/L	0.00035U	0.032	0.031	95	70-130	
Perfluorohexanoic acid	ug/L	0.00054J	0.036	0.034	94	70-130	
Perfluorononanoic acid	ug/L	0.00031U	0.036	0.042	117	70-130	
Perfluorooctanesulfonic acid	ug/L	0.00033U	0.034	0.032	93	70-130	
Perfluorooctanoic acid	ug/L	0.00062J	0.036	0.045	125	70-130	
Perfluoroundecanoic acid	ug/L	0.00040U	0.036	0.034	96	70-130	
PFBA	ug/L	0.0014J	0.036	0.035	94	70-130	
PFEESA	ug/L	0.00033U	0.032	0.030	93	70-130	
PFHpS	ug/L	0.00038U	0.034	0.033	97	70-130	
PFMBA	ug/L	0.00025U	0.036	0.033	91	70-130	
PFMPA	ug/L	0.00031U	0.036	0.035	97	70-130	
PFPeA	ug/L	0.00082J	0.036	0.035	96	70-130	
PFPeS	ug/L	0.00033U	0.034	0.033	98	70-130	
13C2-PFDoA (S)	%				92	50-200	
13C24:2FTS (S)	%				132	50-200	
13C26:2FTS (S)	%				122	50-200	
13C28:2FTS (S)	%				114	50-200	
13C3-PFBS (S)	%				122	50-200	
13C3-PFHxS (S)	%				117	50-200	
13C3HFPO-DA(S)	%				86	50-200	
13C4-PFBA (S)	%				96	50-200	
13C4-PFHpA (S)	%				82	50-200	
13C5-PFHxA (S)	%				94	50-200	
13C5-PFPeA (S)	%				100	50-200	
13C6-PFDA (S)	%				71	50-200	
13C7-PFUdA (S)	%				85	50-200	
13C8-PFOA (S)	%				72	50-200	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

MATRIX SPIKE SAMPLE: 5265437		35830995012	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
13C8-PFOS (S)	%				111	50-200	
13C9-PFNA (S)	%				66	50-200	

SAMPLE DUPLICATE: 5265438

Parameter	Units	35830995013	Dup	RPD	Max	Qualifiers
		Result	Result		RPD	
11CI-PF3OUdS	ug/L	0.00041U	ND		30	
4:2 FTS	ug/L	0.00053U	ND		30	
6:2 FTS	ug/L	0.0033U	0.0041		30	
8:2 FTS	ug/L	0.00045U	ND		30	
9CI-PF3ONS	ug/L	0.00047U	ND		30	
ADONA	ug/L	0.00040U	ND		30	
HFPO-DA	ug/L	0.00069U	ND		30	
NFDHA	ug/L	0.00027U	ND		30	
Perfluorobutanesulfonic acid	ug/L	0.00040U	ND		30	
Perfluorodecanoic acid	ug/L	0.00029U	ND		30	
Perfluorododecanoic acid	ug/L	0.00050U	ND		30	
Perfluoroheptanoic acid	ug/L	0.00041U	ND		30	
Perfluorohexanesulfonic acid	ug/L	0.00035U	ND		30	
Perfluorohexanoic acid	ug/L	0.00045J	.00055J		30	
Perfluorononanoic acid	ug/L	0.00031U	ND		30	
Perfluorooctanesulfonic acid	ug/L	0.00033U	ND		30	
Perfluorooctanoic acid	ug/L	0.00050J	.00043J		30	
Perfluoroundecanoic acid	ug/L	0.00039U	ND		30	
PFBA	ug/L	0.0010J	.0011J		30	
PFEESA	ug/L	0.00033U	ND		30	
PFHpS	ug/L	0.00037U	ND		30	
PFMBA	ug/L	0.00025U	ND		30	
PFMPA	ug/L	0.00031U	ND		30	
PFPeA	ug/L	0.00071J	.00084J		30	
PFPeS	ug/L	0.00033U	ND		30	
13C2-PFDoA (S)	%		98			
13C24:2FTS (S)	%		138			
13C26:2FTS (S)	%		140			
13C28:2FTS (S)	%		111			
13C3-PFBS (S)	%		121			
13C3-PFHxS (S)	%		113			
13C3HFPO-DA(S)	%		92			
13C4-PFBA (S)	%		99			
13C4-PFHpA (S)	%		85			
13C5-PFHxA (S)	%		98			
13C5-PFPeA (S)	%		101			
13C6-PFDA (S)	%		79			
13C7-PFUdA (S)	%		93			
13C8-PFOA (S)	%		76			

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QUALITY CONTROL DATA

Project: PFAS Drinking Water
Pace Project No.: 10671217

SAMPLE DUPLICATE: 5265438

Parameter	Units	35830995013 Result	Dup Result	RPD	Max RPD	Qualifiers
13C8-PFOS (S)	%		112			
13C9-PFNA (S)	%		72			

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

QC Batch:	956106	Analysis Method:	EPA 537.1
QC Batch Method:	EPA 537.1	Analysis Description:	537.1 PFOA Compounds, Water
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	10671217001, 10671217002, 10671217003, 10671217004, 10671217005, 10671217006, 10671217007, 10671217008, 10671217009, 10671217010, 10671217011, 10671217012, 10671217013		

METHOD BLANK:	5258786	Matrix:	Water
Associated Lab Samples:	10671217001, 10671217002, 10671217003, 10671217004, 10671217005, 10671217006, 10671217007, 10671217008, 10671217009, 10671217010, 10671217011, 10671217012, 10671217013		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
NEtFOSAA	ug/L	ND	0.0020	10/09/23 10:00	
NMeFOSAA	ug/L	ND	0.0020	10/09/23 10:00	
Perfluorotetradecanoic acid	ug/L	ND	0.0020	10/09/23 10:00	
Perfluorotridecanoic acid	ug/L	ND	0.0020	10/09/23 10:00	
13C2-PFDA (S)	%	100	70-130	10/09/23 10:00	
13C2-PFHxA (S)	%	104	70-130	10/09/23 10:00	
HFPO-DAS (S)	%	100	70-130	10/09/23 10:00	
NEtFOSAA-d5 (S)	%	101	70-130	10/09/23 10:00	

LABORATORY CONTROL SAMPLE: 5258787						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
NEtFOSAA	ug/L	0.008	0.0063	79	70-130	
NMeFOSAA	ug/L	0.008	0.0063	79	70-130	
Perfluorotetradecanoic acid	ug/L	0.008	0.0064	80	70-130	
Perfluorotridecanoic acid	ug/L	0.008	0.0063	79	70-130	
13C2-PFDA (S)	%			99	70-130	
13C2-PFHxA (S)	%			108	70-130	
HFPO-DAS (S)	%			108	70-130	
NEtFOSAA-d5 (S)	%			103	70-130	

LABORATORY CONTROL SAMPLE: 5258788						
Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
NEtFOSAA	ug/L	0.002	.0013J	66	50-150	
NMeFOSAA	ug/L	0.002	ND	73	50-150	
Perfluorotetradecanoic acid	ug/L	0.002	ND	70	50-150	
Perfluorotridecanoic acid	ug/L	0.002	ND	71	50-150	
13C2-PFDA (S)	%			104	70-130	
13C2-PFHxA (S)	%			115	70-130	
HFPO-DAS (S)	%			112	70-130	
NEtFOSAA-d5 (S)	%			110	70-130	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

MATRIX SPIKE SAMPLE: 5258789

Parameter	Units	70272655001 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
NEtFOSAA	ug/L	<1.8 ng/L	0.14	0.15	103	70-130	
NMeFOSAA	ug/L	<1.8 ng/L	0.14	0.16	109	70-130	
Perfluorotetradecanoic acid	ug/L	<1.8 ng/L	0.14	0.14	99	70-130	
Perfluorotridecanoic acid	ug/L	<1.8 ng/L	0.14	0.14	98	70-130	
13C2-PFDA (S)	%				99	70-130	
13C2-PFHxA (S)	%				107	70-130	
HFPO-DAS (S)	%				108	70-130	
NEtFOSAA-d5 (S)	%				103	70-130	

SAMPLE DUPLICATE: 5258790

Parameter	Units	70272655004 Result	Dup Result	RPD	Max RPD	Qualifiers
NEtFOSAA	ug/L	<1.8 ng/L	ND		30	
NMeFOSAA	ug/L	<1.8 ng/L	ND		30	
Perfluorotetradecanoic acid	ug/L	<1.8 ng/L	ND		30	
Perfluorotridecanoic acid	ug/L	<1.8 ng/L	ND		30	
13C2-PFDA (S)	%	104	101			
13C2-PFHxA (S)	%	116	111			
HFPO-DAS (S)	%	115	109			
NEtFOSAA-d5 (S)	%	106	105			

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

QC Batch:	956108	Analysis Method:	EPA 537.1
QC Batch Method:	EPA 537.1	Analysis Description:	537.1 PFOA Compounds, Water
		Laboratory:	Pace Analytical Services - Ormond Beach
Associated Lab Samples:	10671217014, 10671217015, 10671217016, 10671217017, 10671217018, 10671217019, 10671217020, 10671217021, 10671217022, 10671217023		

METHOD BLANK:	5258791	Matrix:	Water
Associated Lab Samples:	10671217014, 10671217015, 10671217016, 10671217017, 10671217018, 10671217019, 10671217020, 10671217021, 10671217022, 10671217023		

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
NEtFOSAA	ug/L	ND	0.0020	10/09/23 17:17	
NMeFOSAA	ug/L	ND	0.0020	10/09/23 17:17	
Perfluorotetradecanoic acid	ug/L	ND	0.0020	10/09/23 17:17	
Perfluorotridecanoic acid	ug/L	ND	0.0020	10/09/23 17:17	
13C2-PFDA (S)	%	93	70-130	10/09/23 17:17	
13C2-PFHxA (S)	%	102	70-130	10/09/23 17:17	
HFPO-DAS (S)	%	104	70-130	10/09/23 17:17	
NEtFOSAA-d5 (S)	%	98	70-130	10/09/23 17:17	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
NEtFOSAA	ug/L	0.16	0.16	101	70-130	
NMeFOSAA	ug/L	0.16	0.17	105	70-130	
Perfluorotetradecanoic acid	ug/L	0.16	0.15	94	70-130	
Perfluorotridecanoic acid	ug/L	0.16	0.15	96	70-130	
13C2-PFDA (S)	%			98	70-130	
13C2-PFHxA (S)	%			106	70-130	
HFPO-DAS (S)	%			112	70-130	
NEtFOSAA-d5 (S)	%			101	70-130	

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
NEtFOSAA	ug/L	0.002	.0017J	83	50-150	
NMeFOSAA	ug/L	0.002	ND	79	50-150	
Perfluorotetradecanoic acid	ug/L	0.002	ND	75	50-150	
Perfluorotridecanoic acid	ug/L	0.002	ND	79	50-150	
13C2-PFDA (S)	%			95	70-130	
13C2-PFHxA (S)	%			107	70-130	
HFPO-DAS (S)	%			109	70-130	
NEtFOSAA-d5 (S)	%			103	70-130	

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QUALITY CONTROL DATA

Project: PFAS Drinking Water

Pace Project No.: 10671217

MATRIX SPIKE SAMPLE: 5259333		35832210002	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
NEtFOSAA	ug/L	<0.0018	0.0018	.0013J	68	70-130	M1
NMeFOSAA	ug/L	<0.0018	0.0018	ND	77	70-130	
Perfluorotetradecanoic acid	ug/L	<0.0018	0.0018	ND	71	70-130	
Perfluorotridecanoic acid	ug/L	<0.0018	0.0018	ND	71	70-130	
13C2-PFDA (S)	%				94	70-130	
13C2-PFHxA (S)	%				105	70-130	
HFPO-DAS (S)	%				109	70-130	
NEtFOSAA-d5 (S)	%				95	70-130	

SAMPLE DUPLICATE: 5259334		35832227002	Dup	RPD	Max	
Parameter	Units	Result	Result	RPD	RPD	Qualifiers
NEtFOSAA	ug/L	<0.0020	ND		30	
NMeFOSAA	ug/L	<0.0020	ND		30	
Perfluorotetradecanoic acid	ug/L	<0.0020	ND		30	
Perfluorotridecanoic acid	ug/L	<0.0020	ND		30	
13C2-PFDA (S)	%	99	94			
13C2-PFHxA (S)	%	107	103			
HFPO-DAS (S)	%	108	104			
NEtFOSAA-d5 (S)	%	99	98			

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QUALIFIERS

Project: PFAS Drinking Water

Pace Project No.: 10671217

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

- L1 Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
- M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.
- P4 Sample field preservation does not meet EPA or method recommendations for this analysis.
- S0 Surrogate recovery outside laboratory control limits.
- S3 Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated samples.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

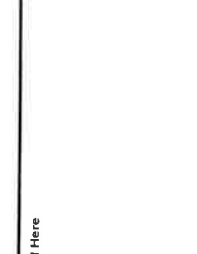
Project: PFAS Drinking Water

Pace Project No.: 10671217

Table with 6 columns: Lab ID, Sample ID, QC Batch Method, QC Batch, Analytical Method, Analytical Batch. It lists various sample IDs and their corresponding QC and analytical data.

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Scan QR Code for instructions

CHAIN-OF-CUSTODY Analytical Request Document

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

Pace
 Pace Analytical Minnesota
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414

Company Name: MN Dept of Military Affairs
 Street Address: 15000 Highway 15, null
 Little Falls, MN 56345

Customer Project #: PFAS DW Testing

Contact/Report To: Russell Howard
 Phone #: 214-300-5496
 E-Mail: russell.d.howard7.nfg@army.mil
 Cc E-Mail:

Invoice To:
 Invoice E-Mail:

Purchase Order # (if applicable):
 Quote #:

County / State origin of sample(s): Minnesota

Regulatory Program (DW, RCRA, etc.) as applicable:

Rush (Pre-approval required):
 1-2 Day 3 day 5 day Other

DW PWSID # or WW Permit # as applicable:
 Analysis:
 Field Filtered (if applicable): Yes No

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res. CL	Number & Type of Containers		Sample Comment
			Date	Time	Date	Time		Plastic	Glass	
W-MN-RIPL-005	DW	G	9/29/23	1420	NA	NA		4		
W-MN-RIPL-FB				1420				2		
W-MN-RIPL-004				1422				4		
W-MN-RIPL-001				1440						
W-MN-RIPL-002				1454						
W-MN-RIPL-003				1503						
W-MN-RIPL-017				1530						
W-MN-RIPL-018				1547						
W-MN-RIPL-019				1602						
W-MN-RIPL-020	DW	G	9/29/23	1614	NA	NA		4		

Customer Remarks / Special Conditions / Possible Hazards: For method 537.1 only analyze for PF2, DA3, PFT, DA, NME FO5A, A1-7 NEEFO5A

Collected By:
 Printed Name:
 Signature:

Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)
 Received by/Company: (Signature)

Coolers: Thermometer ID: Correction Factor (°C): Obs. Temp (°C) Corrected Temp. (°C)

Additional Instructions from Pace*:
 Date/Time: 10/2/23 1323
 Date/Time: 10/2/23 16:45
 Date/Time:

Relinquished by/Company: (Signature)
 Relinquished by/Company: (Signature)
 Relinquished by/Company: (Signature)
 Relinquished by/Company: (Signature)

Tracking Number:
 Delivered by: In-Person Courier
 FedEx UPS Other

Page: 1 of 3

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

Company Name: MN Dept of Military Affairs
Street Address: 15000 Highway 15, null
 Little Falls, MN 56345

Customer Project #: PFAS DW Testing
Project Name:

Site Collection Info/Facility ID (as applicable):

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

Data Deliverables:
 [] Level II [] Level III [] Level IV
 [] EQUIS
 [X] Other: **DOEHHS EDD**

Regulatory Program (DW, RCRA, etc.) as applicable: Minnesota

Rush (Pre-approval required):
 [] 2 Day [] 3 day [] 5 day [] Other: _____
 DW PWSID # or WW Permit # as applicable: _____

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

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Res. CL2	Composite End		Number & Type of Containers	Preservation non-conformance identified for sample.
			Date	Time		Date	Time		
W-MN-RIPL-021	DW	G	9/29/23	1625	NA	NA	4	FL 533 PFAS	
W-MN-RIPL-022			9/30/23	1643				Field Blank PFAS-DOD	
W-MN-RIPL-015			9/30/23	0830				Field Blank PFAS-DOD	
W-MN-RIPL-014				0850				Field Blank PFAS-DOD	
W-MN-RIPL-013				0900				Field Blank PFAS-DOD	
W-MN-RIPL-012				0930				Field Blank PFAS-DOD	
W-MN-RIPL-011				0940				Field Blank PFAS-DOD	
W-MN-RIPL-010				1017 1017				Field Blank PFAS-DOD	
W-MN-RIPL-009				1035				Field Blank PFAS-DOD	
W-MN-RIPL-008	DW	G	9/30/23	1105	NA	NA	4	FL 533 PFAS	

Customer Remarks / Special Conditions / Possible Hazards:

Additional Instructions from Pace*:

Coolers: _____ Thermometer ID: _____ Obs. Temp. (°C) _____ Corrected Temp. (°C) _____

Collected By: _____
 Printed Name: _____
 Signature: _____

Received by/Company: (Signature) *[Signature]* PACE
 Date/Time: 10/2/23 1323

Received by/Company: (Signature) *[Signature]*
 Date/Time: 10/02/23 16:45

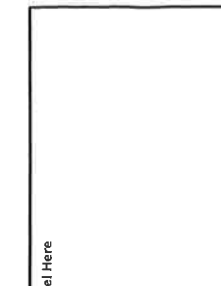
Received by/Company: (Signature) _____
 Date/Time: _____

Received by/Company: (Signature) _____
 Date/Time: _____

Tracking Number: 10/2/23 1323

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

Page: 2 of 3



LAB USE ONLY - Affix Workorder/Login Label Here

Specify Container Size **

Identify Container Preservative Type ***

Analysis Requested

** Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) Encore, (8) TerraCore, (9) 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) Mech, (11) Other

Proj. Mgr: Rachel Johnson
 AcctNum / Client ID: _____
 Table #: _____
 Profile / Template: _____
 See RMI: _____
 Prelog / Bottle Ord. ID: 1144995



Pace* Location Requested (City/State):
 Pace Analytical Minnesota
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414

Company Name: MN Dept of Military Affairs
 Street Address: 15000 Highway 15, null
 Little Falls, MN 56345

Customer Project #: PFAS DW Testing
 Project Name:

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

Data Deliverables:
 [] Level II [] Level III [] Level IV
 [] EQUIS
 [] Other: **DOEHRS EDD**

Regulatory Program (DW, RCRA, etc.) as applicable:
 Minnesota

Rush (Pre-approval required):
 [] 2 Day [] 3 day [] 5 day [] Other

Date Results Requested:
 [] Yes [] No

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

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

Customer Sample ID	Matrix *	Collected		Res. CL2	Number & Type of Containers
		Date	Time		
W-MN-RIPL-007	DW G	9/30/23	1128	NA	4
W-MN-RIPL-FD	DW G	9/30/23		NA	4

Additional Instructions from Pace*:
 No Further analysis
 RPIT
 10/2/23

Lab Use Only	Proj. Mgr:	Sample Comment
Field Blank PFAS-DOD	Rachel Johnson	
Field Blank PFAS 537.1 (Drinking Water)	AcctNum / Client ID:	
Field Blank PFAS 537.1 (Drinking Water)	Table #:	
	Profile / Template:	
	See RMJ	
	Prelog / Bottle Ord. ID:	
	1144995	

LAB USE ONLY - Affix Workorder/Login Label Here



Scan QR Code for instructions

**Container Size: (1) 1L, (2) 500mL, (3) 250mL, (4) 125mL, (5) 100mL, (6) 40mL vial, (7) EnCore, (8) TerraCore, (9) 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

Specify Container Size **

Identify Container Preservative Type ***

Analysis Requested

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

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Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Field Dupl 537.1

Customer Remarks / Special Conditions / Possible Hazards:

Collected By: [Signature]

Printed Name: [Signature]

Signature: [Signature]

Received by/Company: [Signature]

Date/Time: 10/2/23 13:23

Received by/Company: [Signature]

Date/Time: 10/2/23 16:40

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Received by/Company: [Signature]

Date/Time:

Tracking Number: 10/2/23 1323

Delivered by: [] In-Person [] Courier

[] FedEx [] UPS [] Other

Page: 03 of 03

ENV-FRM-CORQ-0019_v01_082123 ©



Service Center Transfer Checklist

Service Center: MPLS BLM AZ MT

Client:

Destination Lab:

MPLS Duluth National Other
labels provided

Received w/ Custody Seal? Yes No *client didn't receive custody seals in order or temp blanks*

Custody Seal Intact? Yes No

Temperature °C: Temp Read Corr. Factor Corr. Temp

IR Gun: Samples on ice, in cool down

Rush Short Hold N/A

Containers Intact? Yes No *3 coolers
2 large, 1 small*

Repacked and Re-Iced? Yes No

Notes:

No Temp Blank Section

Read Temp	Corr. Temp	Avg. Temp



Sample Condition Upon Receipt Form (SCUR)

Project #
 Project Manager:
 Client:

11:00

Date and Initials of person:

Examining contents: AVJ

Label: _____

Deliver: _____

pH: _____

Thermometer Used: T-414

Date: 10-3-23

Time: 11:00

Initials: (EJ)

State of Origin: _____ For WV projects, all containers verified to $\pm 6^\circ\text{C}$

Cooler #1 Temp. 3.1 (Visual) -0.1 (Correction Factor) 3.0 (Actual)
 Cooler #2 Temp. 3.4 (Visual) -0.1 (Correction Factor) 3.3 (Actual)
 Cooler #3 Temp. _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #4 Temp. _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #5 Temp. _____ (Visual) _____ (Correction Factor) _____ (Actual)
 Cooler #6 Temp. _____ (Visual) _____ (Correction Factor) _____ (Actual)

Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.
 Samples on ice, cooling process has begun.

Recheck for OOT $^\circ\text{C}$ _____ (Visual) _____ (Correction Factor) _____ (Actual)

Time: _____ Initials: _____

Courier: Fed Ex UPS USPS Client Commercial Pace Other: _____

Shipping Method: Standard Overnight First Overnight Priority Overnight Ground International Priority Other: _____

Billing: Recipient Sender Third Party Credit Card Unknown

Tracking # 642086046857, 642086046868

Custody Seal Present: Yes No Seal properly placed and intact: Yes No

Ice: Wet Blue Dry None Melted

Packing Material: Bubble Wrap Bubble Bags None Other: _____

Samples shorted to lab: Yes No (if yes, complete the following)

Shorted Date: _____

Shorted Time: _____

Bottle Quantity / Type: _____

Chain of Custody:	Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Relinquished From Pace: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sampler Name: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
	Relinquished To Pace: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sampling Date(s): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sampling Time(s): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A								
Samples Arrived within Hold Time.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Comments:								
Rush Turnaround Requested on COC.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Comments:								
Sufficient Volume.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Comments:								
Correct Containers Used.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Comments:								
Containers Intact.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Comments:								
Sample Labels Match COC (Sample ID, Date/Time of Collection).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Comments:								
All containers needing acid / base preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A								
All containers needing preservation are found to be in compliance with EPA recommendation:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A								
Exceptions: Vials, Microbiology, O&G, PFAS									
Headspace in Volatile Vials? (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A								
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A								
<table border="1"> <tr> <td colspan="2">Preservation Information</td> </tr> <tr> <td>Preservative: _____</td> <td>Date: _____</td> </tr> <tr> <td>Lot / Trace: _____</td> <td>Time: _____</td> </tr> <tr> <td>Amount added (mL): _____</td> <td>Initials: _____</td> </tr> </table>		Preservation Information		Preservative: _____	Date: _____	Lot / Trace: _____	Time: _____	Amount added (mL): _____	Initials: _____
Preservation Information									
Preservative: _____	Date: _____								
Lot / Trace: _____	Time: _____								
Amount added (mL): _____	Initials: _____								

Comments / Resolutions (use back for additional comments):

Missing 9 cooler.
~~Missing sample IDs: W-MN-BIPL-005, 001, 002, 011, 018, 020, 021, 022.~~
 COOLER LOCATED-RMJ 10/5/23
Received extra container not on COC: Sample ID: W-MN-BIPL-QA/QC
Date Time: 9/29/23 @ 1420 BP3T (*2) 537.1.