

Report Prepared for:

Eric Carman
Tetra Tech EMI Inc.
2001 Killebrew Drive
Minneapolis MN 55425

**REPORT OF
LABORATORY
ANALYSIS
FOR PFAAs**

Report Prepared Date:

January 6, 2023

Report Information:

Pace Project #: 10635405
Sample Receipt Date: 12/01/2022
Client Project #: 117-7383011 3M CESA
Client Sub PO #: N/A
State Cert #: 999407970

Invoicing & Reporting Options:

The report provided has been invoiced as a Level 2 PFAA Report. If an upgrade of this report package is requested, an additional charge may be applied.

Please review the attached invoice for accuracy and forward any questions to Kirsten Hogberg, your Pace Project Manager.

This report has been reviewed by:



January 25, 2023

Kirsten Hogberg, Project Manager
(612) 607-6407
(612) 607-6444 (fax)
kirsten.hogberg@pacelabs.com



Report of Laboratory Analysis

This report should not be reproduced, except in full, without the written consent of Pace Analytical Services, Inc.

The results relate only to the samples included in this report.

DISCUSSION

This report presents the results from the analyses performed on thirty-three samples, two matrix spikes, and two matrix spike duplicates submitted by a representative of Tetra Tech EMI Inc. The samples were analyzed for thirty-three perfluorinated compounds following Wisconsin DNR guidance. Reporting limits were set to MDL limits.

A laboratory method blank was prepared and analyzed with the sample batch as part of our routine quality control procedures. The results show the blank was free of the target perfluorinated compounds at the reporting limits. This indicates that the sample processing procedures did not significantly contribute to the analyte content determined for the sample material.

A laboratory spike sample was also prepared with the sample batch using clean reference matrix that had been fortified with native standards. The recovery results were within the method limits. This spike indicates that extraction performed as expected. Matrix spikes were prepared with the sample batch using sample material from a separate project; results from that analysis will be provided upon request.

Diminished extracted internal standard (EIS) recovery ("R" flagged) were present in sample "MEWI-S-SB15-24-0", however, the use of the isotope dilution method generally precludes any adverse impact on those individual native compounds that have a directly associated standard.

Several samples have elevated EIS recoveries ("R" flagged) for FTS. While the use of the isotope dilution method generally precludes any adverse impact on those individual native compounds that have a directly associated standard, in the case of the FTS compounds, the recoveries are anomalously high, and are adversely impacted by matrix. The results for these native compounds should be considered estimated.

Results for selected analytes were taken from secondary dilutions of the sample extracts in order to bring the results within the calibration range. The affected values were flagged "D" on the results tables.

Values were flagged "I" where incorrect isotope ratios were obtained. Results that were below the calibration range were flagged "J".

Minnesota Laboratory Certifications

Authority	Certificate #	Authority	Certificate #
A2LA	2926.01	Missouri	10100
Alabama	40770	Montana	CERT0092
Alaska-DW	MN00064	Nebraska	NE-OS-18-06
Alaska-UST	17-009	Nevada	MN00064
Arizona	AZ0014	New Hampshire	2081
Arkansas - WW	88-0680	New Jersey	MN002
Arkansas-DW	MN00064	New York	11647
California	2929	North Carolina-	27700
Colorado	MN00064	North Carolina-	530
Connecticut	PH-0256	North Dakota	R-036
Florida	E87605	Ohio-DW	41244
Georgia	959	Ohio-VAP (170	CL101
Hawaii	MN00064	Ohio-VAP (180	CL110
Idaho	MN00064	Oklahoma	9507
Illinois	200011	Oregon-Primary	MN300001
Indiana	C-MN-01	Oregon-Second	MN200001
Iowa	368	Pennsylvania	68-00563
Kansas	E-10167	Puerto Rico	MN00064
Kentucky-DW	90062	South Carolina	74003
Kentucky-WW	90062	Tennessee	TN02818
Louisiana-DEQ	AI-84596	Texas	T104704192
Louisiana-DW	MN00064	Utah	MN00064
Maine	MN00064	Vermont	VT-027053137
Maryland	322	Virginia	460163
Michigan	9909	Washington	C486
Minnesota	027-053-137	West Virginia-D	382
Minnesota-Ag	via MN 027-053	West Virginia-D	9952C
Minnesota-Petr	1240	Wisconsin	999407970
Mississippi	MN00064	Wyoming-UST	via A2LA 2926.

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix A

Sample Management

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.

Sample ID Cross Reference

<u>Client Sample ID</u>	<u>Pace Sample ID</u>	<u>Date Received</u>	<u>Sample Type</u>
MEWI-S-SB1-24-0	10635405001	12/01/2022	Solid
MEWI-S-SB2-24-0	10635405002	12/01/2022	Solid
MEWI-S-SB3-24-0	10635405003	12/01/2022	Solid
MEWI-S-SB4-24-0	10635405004	12/01/2022	Solid
MEWI-S-SB5-24-0	10635405005	12/01/2022	Solid
MEWI-S-SB8-24-0	10635405006	12/01/2022	Solid
MEWI-S-SB9-24-0	10635405007	12/01/2022	Solid
MEWI-S-SB12-24-0	10635405010	12/01/2022	Solid
MEWI-S-SB13-24-0	10635405011	12/01/2022	Solid
MEWI-S-SB14-24-0	10635405012	12/01/2022	Solid
MEWI-S-SB15-24-0	10635405013	12/01/2022	Solid
MEWI-S-SB16-24-0	10635405014	12/01/2022	Solid
MEWI-S-SB17-24-0	10635405015	12/01/2022	Solid
MEWI-S-SB18-24-0	10635405016	12/01/2022	Solid
MEWI-S-SB19-24-0	10635405017	12/01/2022	Solid
MEWI-S-SB20-24-0	10635405018	12/01/2022	Solid
MEWI-S-SB21-24-0	10635405019	12/01/2022	Solid
MEWI-S-SB22-24-0	10635405020	12/01/2022	Solid
MEWI-S-DB1-0	10635405021	12/01/2022	Solid
MEWI-S-DB2-0	10635405022	12/01/2022	Solid
MEWI-S-DB3-0	10635405023	12/01/2022	Solid
MEWI-S-SB23-24-0	10635405024	12/01/2022	Solid
MEWI-S-EB1-0	10635405025	12/01/2022	Water
MEWI-S-EB2-0	10635405026	12/01/2022	Water
MEWI-S-EB3-0	10635405027	12/01/2022	Water
MEWI-S-FB1-0	10635405028	12/01/2022	Water
MEWI-S-FB2-0	10635405029	12/01/2022	Water
MEWI-S-FB3-0	10635405030	12/01/2022	Water
MEWI-S-TB1-0	10635405031	12/01/2022	Water
MEWI-S-TB2-0	10635405032	12/01/2022	Water
MEWI-S-TB3-0	10635405033	12/01/2022	Water

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.

CHAIN-OF-CUSTODY Analytical Request Document

de Analytical

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

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

WO#: 10635405



ALL SH

Container Preservation:

10635405

Report No: 10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

10635405

Address: **TETRA TECH**
5404 Alderson, Schenck WI

Report To: **Eric Carman**

Customer Project Name/Number: **117-73830.1 3M CESA**

Phone: _____ Site/Facility ID #: _____

Collected By (print): **Craig Wiemas** Purchase Order #: _____

Collected By (Signature): *[Signature]* Turnaround Date Required: **STANDARD**

Sample Disposal: [] Dispose as appropriate [] Return [] Archive: _____ [] Hold: _____

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MEWI-S-582-24-0	S	G	11-24-22	1000				X
MEWI-S-583-24-0	S	G	11-28-22	1400				X
MEWI-S-587-24-0	S	G	11-28-22	1300				X
MEWI-S-584-24-0	S	G	11-28-22	1345				X
MEWI-S-585-24-0	S	G	11-28-22	1415				X
MEWI-S-588-24-0	S	G	11-28-22	1645				X
MEWI-S-589-24-0	S	G	11-28-22	1700				X
MEWI-S-5810-24-0								X
MEWI-S-5811-24-0								X
MEWI-S-5812-24-0	S	G	11-28-22	1710				X

PFAAS - WI ID 36

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

Analyses										Lab Profile/Line: 44134	
										Lab Sample Receipt Checklist:	
										Custody Seals Present/Intact	Y N NA
										Custody Signatures Present	Y N NA
										Collector Signature Present	Y N NA
										Bottles Intact	Y N NA
										Correct Bottles	Y N NA
										Sufficient Volume	Y N NA
										Samples Received on Ice	Y N NA
										VOA - Headspace Acceptable	Y N NA
										USDA Regulated Soils	Y N NA
										Samples in Holding Time	Y N NA
										Residual Chlorine Present	Y N NA
										Cl Strips: _____	
										Sample pH Acceptable	Y N NA
										pH Strips: _____	
										Sulfide Present	Y N NA
										Lead Acetate Strips: _____	
										LAB USE ONLY: Lab Sample # / Comments:	

CU
WZ
WB
WY
WS
WG
WJ

OIO

Customer Remarks / Special Conditions / Possible Hazards: _____
Type of Ice Used: Wet Blue Dry None
Packing Material Used: _____
Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
Lab Tracking #: **2843587**
Samples received via: FEDEX UPS Client Courier Pace Courier

Lab Sample Temperature Info:
Temp Blank Received: Y N NA
Therm ID#: **T3**
Cooler 1 Temp Upon Receipt: 4.4 oC
Cooler 1 Therm Corr. Factor: 4.1 oC
Cooler 1 Corrected Temp: 4.5 oC
Comments:

Relinquished by/Company: (Signature) *[Signature]*
Date/Time: **11/20/22 1600**

Received by/Company: (Signature) **F2D EX 11/30/22**
Date/Time: **11/30/22 1600**

Relinquished by/Company: (Signature) _____
Date/Time: _____
Received by/Company: (Signature) **Naming / Pace**
Date/Time: **12/1/22 850**

MTJL LAB USE ONLY
Table #: _____
Acctnum: _____
Template: _____
Prelogin: _____
PM: _____
PB: _____
Trip Blank Received: Y N NA
HCL MeOH TSP Other
Non Conformance(s): YES / NO
Page: **4**

Page 6 of 177



CHAIN-OF-CUSTODY Analytical Request Document

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

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

ALL SHADED AREAS are for LAB USE ONLY

Report No: 10635405 ID36-22-011

Company: **Tetra Tech** Billing Information: **Tetra Tech**
 Address: **5907 Alderson School WI** **Schofield WI**
 Report To: **Eric Carman** Email To: **Craig Wieman tetra.tech.com**
 Copy To: Site Collection Info/Address:
 Customer Project Name/Number: **117-7383611** State: **WI** County/City: **Menomonee** Time Zone Collected: **[] PT [] MT [] CT [] ET**
 Phone: Site/Facility ID #: Compliance Monitoring? **[] Yes [] No**
 Email: Collected By (print): **Craig A Wieman** Purchase Order #: DW PWS ID #: **STANDARD**
 Quote #: DW Location Code:
 Collected By (Signature): Turnaround Date Required: **STANDARD** Immediately Packed on Ice: **[] Yes [] No**
 Sample Disposal: Rush: **[] Same Day [] Next Day** Field Filtered (if applicable): **[] Yes [] No**
[] Dispose as appropriate [] Return **[] 2 Day [] 3 Day [] 4 Day [] 5 Day** Analysis: **[] Yes [] No**
[] Archive: (Expedite Charges Apply)
[] Hold:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MEWI-S-SB3-24-C	S	G	11-28-22	15:30				X
MEWI-S-SB4-24-C	S	G	11-28-22	15:40				X
MEWI-S-SB5-24-C	S	G	11-28-22	15:50				X
MEWI-S-SB6-24-C	S	G	11-28-22	16:00				X
MEWI-S-SB7-24-C	S	G	11-28-22	16:40				X
MEWI-S-SB8-24-C	S	G	11-28-22	16:50				X
MEWI-S-SB9-24-C	S	G	11-28-22	16:00				X
MEWI-S-SB20-24-C	S	G	11-28-22	17:50				X
MEWI-S-SB21-24-C	S	G	11-29-22	12:42				X
MEWI-S-SB22-24-C	S	G	11-29-22	16:30				X

P FAS-WI ID 36

Container Preservative Type ** Lab Project Manager:
 ** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other
 Analyses Lab Profile/Line: **44134**
 Lab Sample Receipt Checklist:
 Custody Seals Present/Intact Y N NA
 Custody Signatures Present Y N NA
 Collector Signature Present Y N NA
 Bottles Intact Y N NA
 Correct Bottles Y N NA
 Sufficient Volume Y N NA
 Samples Received on Ice Y N NA
 VOA - Headspace Acceptable Y N NA
 USDA Regulated Soils Y N NA
 Samples in Holding Time Y N NA
 Residual Chlorine Present Y N NA
 Cl Strips: _____
 Sample pH Acceptable Y N NA
 pH Strips: _____
 Sulfide Present Y N NA
 Lead Acetate Strips: _____
 LAB USE ONLY:
 Lab Sample # / Comments:

011
012
013
014
015
016
017
018
019
020

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: **Wet** Blue Dry None
 Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2843588**
 Samples received via: **FEDEX** UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: **(Y) N NA**
 Therm ID#: **T3**
 Cooler 1 Temp Upon Receipt: **4.4** oC
 Cooler 1 Therm Corr. Factor: **+0.1** oC
 Cooler 1 Corrected Temp: **4.5** oC
 Comments:

Relinquished by/Company: (Signature) **[Signature]** Date/Time: **11/30/22 16:00** Received by/Company: (Signature) **FE EX II** Date/Time: **11/30/22 16:00**
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) **Nancy Pace** Date/Time: **12/1/22 8:50**
 Relinquished by/Company: (Signature) Date/Time: Received by/Company: (Signature) Date/Time:

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

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO Page: **3** of: **7**

Page 7 of 77



CHAIN-OF-CUSTODY Analytical Request Document

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

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

ALL SHADED AREAS are for LAB USE ONLY

Report No: 10639405_1036_22_011

Company: **Tetra Tech** Billing Information: **Tetra Tech**
 Address: **5404 Alderson** **Schroeder WI**
 Report To: **Eric Carman** Email To: **Craig Wieman@tetratech.com**
 Copy To: Site Collection Info/Address:
 Customer Project Name/Number: **117-7383011 3M CESA** State: **WI** County/City: **Menominee** Time Zone Collected: [] PT [] MT [X] CT [] ET
 Phone: **715/432-5870** Site/Facility ID #: Compliance Monitoring? [] Yes [] No
 Collected By (print): **Craig Wieman** Purchase Order #: DW PWS ID #:
 Collected By (signature): *[Signature]* Quote #: DW Location Code:
 Sample Disposal: Turnaround Date Required: **Standard** Immediately Packed on Ice: [X] Yes [] No
 [X] Dispose as appropriate [] Return [] 2 Day [] 3 Day [] 4 Day [] 5 Day Field Filtered (if applicable): [] Yes [] No
 [] Archive: (Expedite Charges Apply) Analysis: **N/A**
 [] Hold:

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

Customer Sample ID	Matrix *	Comp / Grab	Collected (or Composite Start)		Composite End		Res Cl	# of Ctns
			Date	Time	Date	Time		
MEWL-S-SB23-24-0	S	G	11/29/22	10 ³⁰				X
MEWI-S-EB1-0	S	G	11/29/22	20 ⁰⁰				X
MEWI-S-EB2-0	S	G	11/29/22	14 ³⁰				X
MEWI-S-EB3-0	S	G	11/30/22	10 ⁰⁰				X
MEWI-S-FB1-0	S	G	11/29/22	09 ¹⁵				X
MEWI-S-FB2-0	S	G	11/29/22	11 ³⁰				X
MEWI-S-FB3-0	S	G	11/29/22	14 ²⁰				X
MEWI-S-TB1-0	S	G	11/29/22	09 ⁰⁰				X
MEWI-S-TB2-0	S	G	11/29/22	08 ⁰⁰				X
MEWI-S-TB3-0	S	G	11/29/22	08 ⁰⁰				X

PFAS - WI TD 36

Container Preservative Type **										Lab Project Manager:
** Preservative Types: (1) nitric acid, (2) sulfuric acid, (3) hydrochloric acid, (4) sodium hydroxide, (5) zinc acetate, (6) methanol, (7) sodium bisulfate, (8) sodium thiosulfate, (9) hexane, (A) ascorbic acid, (B) ammonium sulfate, (C) ammonium hydroxide, (D) TSP, (U) Unpreserved, (O) Other										
Analyses										Lab Profile/Line: 44134
Lab Sample Receipt Checklist:										
Custody Seals Present/Intact										Y N NA
Custody Signatures Present										Y N NA
Collector Signature Present										Y N NA
Bottles Intact										Y N NA
Correct Bottles										Y N NA
Sufficient Volume										Y N NA
Samples Received on Ice										Y N NA
VOA - Headspace Acceptable										Y N NA
USDA Regulated Soils										Y N NA
Samples in Holding Time										Y N NA
Residual Chlorine Present										Y N NA
Cl Strips:										
Sample pH Acceptable										Y N NA
pH Strips:										
Sulfide Present										Y N NA
Lead Acetate Strips:										
LAB USE ONLY:										
Lab Sample # / Comments:										

007
028
026
027
028
029
030
031
032
033

Customer Remarks / Special Conditions / Possible Hazards: Type of Ice Used: **Wet** Blue Dry None
 Packing Material Used: Radchem sample(s) screened (<500 cpm): Y N NA

SHORT HOLDS PRESENT (<72 hours): Y N N/A
 Lab Tracking #: **2843590**
 Samples received via: **FEDEX** UPS Client Courier Pace Courier

Lab Sample Temperature Info:
 Temp Blank Received: **Y** N NA
 Therm ID#: **T3**
 Cooler 1 Temp Upon Receipt: **4.4** oC
 Cooler 1 Therm Corr. Factor: **-1** oC
 Cooler 1 Corrected Temp: **4.5** oC
 Comments:

Relinquished by/Company: (Signature) <i>[Signature]</i>	Date/Time: 11/30/22	Received by/Company: (Signature) FEDEX	Date/Time: 11/30/22 16⁰⁰
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature) Nancy Pace	Date/Time: 12/1/22 850
Relinquished by/Company: (Signature)	Date/Time:	Received by/Company: (Signature)	Date/Time:

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

Trip Blank Received: Y N NA
 HCL MeOH TSP Other
 Non Conformance(s): YES / NO
 Page: **4** of: **4**

Page 9 of 177

Effective Date: 11/16/2022

Sample Condition Upon Receipt Client Name: Tetra Tech

Project #:

WO# : 10635405
 PM: KNH Due Date: 12/30/22
 CLIENT: 3M ENV

Courier: FedEx UPS USPS Client
 Pace Speedee Commercial

Tracking Number: 770636610765 See Exceptions ENV-FRM-MIN4-0142

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No
 Packing Material: Bubble Wrap Bubble Bags None Other
 Thermometer: T1 (0461) T2 (1336) T3 (0459) T4 (0254) T5 (0178)
 T6 (0235) T7 (0042) T8 (0775) T9(0727) 01339252/1710
 Biological Tissue Frozen? Yes No N/A
 Temp Blank? Yes No
 Type of Ice: Wet Blue Dry None
 Melted

Did Samples Originate in West Virginia? Yes No Were All Container Temps Taken? Yes No N/A
 Temp should be above freezing to 6 °C Cooler temp Read w/Temp Blank: 4.4 °C Average Corrected Temp (no temp blank only): _____ °C
 Correction Factor: 1.1 Cooler Temp Corrected w/temp blank: 4.5 °C See Exceptions ENV-FRM-MIN4-0142 1 Container

USDA Regulated Soil: N/A, water sample/other: _____ Date/Initials of Person Examining Contents: 12/1/22 MV
 Did samples originate in a quarantine zone within the United States: AL, AR, AZ CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check maps)? Yes No
 Did samples originate from a foreign source (internationally, including Hawaii and Puerto Rico)? Yes No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MIN4-0154) and include with SCUR/COC paperwork.

Location (Check one): <input type="checkbox"/> Duluth <input checked="" type="checkbox"/> Minneapolis <input type="checkbox"/> Virginia	COMMENTS
Chain of Custody Present and Filled Out? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Relinquished? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Sampler Name and/or Signature on COC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Samples Arrived within Hold Time? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4. If fecal: <input type="checkbox"/> <8 hrs <input type="checkbox"/> >8 hr, <24 <input type="checkbox"/> No
Short Hold Time Analysis (<72 hr)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	5. <input type="checkbox"/> Fecal Coliform <input type="checkbox"/> HPC <input type="checkbox"/> Total Coliform/E.coli <input type="checkbox"/> BOD/cBOD <input type="checkbox"/> Hex Chrom <input type="checkbox"/> Turbidity <input type="checkbox"/> Nitrate <input type="checkbox"/> Nitrite <input type="checkbox"/> Orthophos <input type="checkbox"/> Other _____
Rush Turn Around Time Requested? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6.
Sufficient Sample Volume? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Correct Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
-Pace Containers Used? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Containers Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Field Filtered Volume Received for Dissolved Tests? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	10. Is sediment visible in the dissolved container? <input type="checkbox"/> Yes <input type="checkbox"/> No
Is sufficient information available to reconcile the samples to the COC? Matrix: <input type="checkbox"/> Water <input checked="" type="checkbox"/> Soil <input type="checkbox"/> Oil <input type="checkbox"/> Other	11. If no, write ID/Date/Time of container below: <input type="checkbox"/> See Exceptions ENV-FRM-MIN4-0142
All containers needing acid/base preservation have been checked? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	12. Sample # <input type="checkbox"/> NaOH <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> Zinc Acetate
All containers needing preservation are found to be in compliance with EPA recommendation? (HNO3, H2SO4, <2pH, NaOH >9 Sulfide, NaOH >10 Cyanide) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Positive for Residual Chlorine? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> See Exceptions ENV-FRM-MIN4-0142
Exceptions: VOA, Coliform, TOC/DOC Oil and Grease, DRO/8015 (water) and Dioxins/PFAS (*If adding preservative to a container, it must be added to associated field and equipment blanks--verify with PM first.) <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	pH Paper Lot # Residual Chlorine 0-6 Roll 0-6 Strip 0-14 Strip
Headspace in Methyl Mercury Container? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Extra labels present on soil VOA or WIDRO containers? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14. <input type="checkbox"/> See Exceptions ENV-FRM-MIN4-0142
Headspace in VOA Vials (greater than 6mm)? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
3 Trip Blanks Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Custody Seals Present? <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	Pace Trip Blank Lot # (if purchased): _____

CLIENT NOTIFICATION/RESOLUTION

Person Contacted: _____ Date/Time: _____ Field Data Required? Yes No

Comments/Resolution: _____

Project Manager Review: Kirsten Hojberg Date: 12/6/2022

NOTE: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e., out of hold, incorrect preservative, out of temp, incorrect containers).

Labeled By: MV Line: 3

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
10635405001	MEWI-S-SB1-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405002	MEWI-S-SB-2-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405003	MEWI-S-SB3-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405004	MEWI-S-SB4-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405005	MEWI-S-SB5-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405006	MEWI-S-SB8-24-0	SW3535	34460	PFAS-36	B221220C_00
10635405007	MEWI-S-SB9-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405010	MEWI-S-SB12-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405011	MEWI-S-SB13-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405012	MEWI-S-SB14-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405013	MEWI-S-SB15-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405013	MEWI-S-SB15-24-0	SW3535	34460	PFAS-36	B221221A_01
10635405014	MEWI-S-SB16-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405015	MEWI-S-SB17-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405016	MEWI-S-SB18-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405017	MEWI-S-SB19-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405018	MEWI-S-SB20-24-0	SW3535	34460	PFAS-36	B221220C_01
10635405019	MEWI-S-SB21-24-0	SW3535	34460	PFAS-36	B221220C_02
10635405020	MEWI-S-SB22-24-0	SW3535	34460	PFAS-36	B221220C_02
10635405020	MEWI-S-SB22-24-0	SW3535	34460	PFAS-36	B221221A_01
10635405021	MEWI-S-DB1-0	SW3535	34470	PFAS-36	B221222A_00
10635405022	MEWI-S-DB2-0	SW3535	34470	PFAS-36	B221222A_00
10635405023	MEWI-S-DB3-0	SW3535	34470	PFAS-36	B221222A_00
10635405024	MEWI-S-SB23-24-0	SW3535	34470	PFAS-36	B221222A_00
10635405025	MEWI-S-EB1-0	SW3535	34518	PFAS-36	B230103C_00
10635405026	MEWI-S-EB2-0	SW3535	34518	PFAS-36	B230103C_00
10635405027	MEWI-S-EB3-0	SW3535	34518	PFAS-36	B230103C_00
10635405028	MEWI-S-FB1-0	SW3535	34518	PFAS-36	B230103C_00
10635405029	MEWI-S-FB2-0	SW3535	34518	PFAS-36	B230103C_00
10635405030	MEWI-S-FB3-0	SW3535	34518	PFAS-36	B230103C_00
10635405031	MEWI-S-TB1-0	SW3535	34518	PFAS-36	B230103C_00
10635405032	MEWI-S-TB2-0	SW3535	34518	PFAS-36	B230103C_01
10635405033	MEWI-S-TB3-0	SW3535	34518	PFAS-36	B230103C_01



Reporting Flags

- A = Reporting Limit based on signal to noise (EDL)
- B = Less than 10x higher than method blank level
- C = Result obtained from confirmation analysis
- D = Result obtained from analysis of diluted sample
- E = Exceeds calibration range
- H2 = Extracted outside of holding time
- I = Isotope ratio out of specification
- J = Estimated value
- L = Suppressive interference, analyte may be biased low
- Nn = Value obtained from additional analysis
- P = PCDE Interference
- R = Recovery outside target range
- S = Peak saturated
- U = Analyte not detected
- V = Result verified by confirmation analysis
- X = %D Exceeds limits
- Y = Calculated using average of daily RFs

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
1700 Elm Street, Suite 200
Minneapolis, MN 55414
Phone: 612.607.1700
Fax: 612.607.6444
www.pacelabs.com

Appendix B

Sample Analysis Summary

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB1-24-0
 Lab Sample ID 10635405001
 Lab File ID B221220C_011
 Matrix Solid
 Collected 11/29/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.11g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.098	0.028	0.028	1	375-22-4		12/20/2022 23:59
PFPeA	ND	0.098	0.028	0.028	1	2706-90-3		12/20/2022 23:59
HFPO-DA	ND	0.098	0.027	0.027	1	13252-13-6		12/20/2022 23:59
PFBS	ND	0.087	0.026	0.026	1	375-73-5		12/20/2022 23:59
PFHxA	ND	0.098	0.027	0.027	1	307-24-4		12/20/2022 23:59
4:2 FTS	ND	0.091	0.023	0.023	1	757124-72-4		12/20/2022 23:59
PFPeS	ND	0.092	0.023	0.023	1	2706-91-4		12/20/2022 23:59
PFHpA	ND	0.098	0.034	0.034	1	375-85-9		12/20/2022 23:59
DONA	ND	0.092	0.035	0.035	1	919005-14-4		12/20/2022 23:59
PFHxS	ND	0.089	0.021	0.021	1	355-46-4		12/20/2022 23:59
PFOA	ND	0.098	0.030	0.030	1	335-67-1		12/20/2022 23:59
6:2 FTS	ND	0.093	0.040	0.040	1	27619-97-2		12/20/2022 23:59
PFHpS	ND	0.093	0.027	0.027	1	375-92-8		12/20/2022 23:59
PFNA	ND	0.098	0.030	0.030	1	375-95-1		12/20/2022 23:59
PFOSAm	ND	0.098	0.029	0.029	1	754-91-6		12/20/2022 23:59
PFOS	ND	0.090	0.029	0.029	1	1763-23-1		12/20/2022 23:59
MeFOSA	ND	0.098	0.027	0.027	1	31506-32-8		12/20/2022 23:59
PFDA	ND	0.098	0.022	0.022	1	335-76-2		12/20/2022 23:59
EtFOSAm	ND	0.098	0.025	0.025	1	4151-50-2		12/20/2022 23:59
8:2 FTS	ND	0.094	0.043	0.043	1	39108-34-4		12/20/2022 23:59
9-CI-PF3ON	ND	0.091	0.025	0.025	1	756426-58-1		12/20/2022 23:59
PFNS	ND	0.094	0.034	0.034	1	68259-12-1		12/20/2022 23:59
PFUnDA	ND	0.098	0.030	0.030	1	2058-94-8		12/20/2022 23:59
NMeFOSAA	ND	0.098	0.027	0.027	1	2355-31-9		12/20/2022 23:59
NEtFOSAA	ND	0.098	0.039	0.039	1	2991-50-6		12/20/2022 23:59
PFDS	ND	0.094	0.028	0.028	1	335-77-3		12/20/2022 23:59
PFDOA	ND	0.098	0.032	0.032	1	307-55-1		12/20/2022 23:59
MeFOSE	ND	0.098	0.030	0.030	1	24448-09-7		12/20/2022 23:59
EtFOSE	ND	0.098	0.031	0.031	1	1691-99-2		12/20/2022 23:59
11-CI-PF3OUdS	ND	0.092	0.025	0.025	1	763051-92-9		12/20/2022 23:59
PFTTrDA	ND	0.098	0.031	0.031	1	72629-94-8		12/20/2022 23:59
PFDoS	ND	0.095	0.026	0.026	1	79780-39-5		12/20/2022 23:59
PFTDA	ND	0.098	0.034	0.034	1	376-06-7		12/20/2022 23:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB1-24-0
 Lab Sample ID 10635405001
 Lab File ID B221220C_011
 Matrix Solid
 Collected 11/29/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.11g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.98	0.77	78	25-150		12/20/2022 23:59
13C5 PFPeA	0.98	0.76	77	25-150		12/20/2022 23:59
13C3 PFBS	0.91	0.74	81	25-150		12/20/2022 23:59
13C2 4:2FTS	0.91	1.0	110	25-150		12/20/2022 23:59
13C5 PFHxA	0.98	0.75	77	25-150		12/20/2022 23:59
13C4 PFHpA	0.98	0.80	82	25-150		12/20/2022 23:59
13C3 PFHxS	0.93	0.70	75	25-150		12/20/2022 23:59
13C2 6:2FTS	0.93	1.1	118	25-150		12/20/2022 23:59
13C8 PFOA	0.98	0.78	79	25-150		12/20/2022 23:59
13C9 PFNA	0.98	0.76	78	25-150		12/20/2022 23:59
13C8 PFOS	0.94	0.79	84	25-150		12/20/2022 23:59
13C2 8:2FTS	0.94	1.6	166	25-150	R	12/20/2022 23:59
13C6 PFDA	0.98	0.89	91	25-150		12/20/2022 23:59
d3-MeFOSAA	0.98	0.90	92	25-150		12/20/2022 23:59
13C8 PFOSA	0.98	1.0	107	25-150		12/20/2022 23:59
d5-EtFOSAA	0.98	1.1	111	25-150		12/20/2022 23:59
13C7 PFUdA	0.98	0.95	97	25-150		12/20/2022 23:59
13C2 PFDoA	0.98	1.1	108	25-150		12/20/2022 23:59
13C2 PFTeDA	0.98	1.2	125	25-150		12/20/2022 23:59
13C3 HFPO-DA	0.98	0.74	76	25-150		12/20/2022 23:59
d7-N-MeFOSE	0.98	0.87	89	10-150		12/20/2022 23:59
d9-N-EtFOSE	0.98	0.89	91	10-150		12/20/2022 23:59
d3-N-MeFOSA	0.98	0.76	78	10-150		12/20/2022 23:59
d5-N-EtFOSA	0.98	0.63	64	10-150		12/20/2022 23:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB1-24-0
 Lab Sample ID 10635405001
 Lab File ID B221220C_011
 Matrix Solid
 Collected 11/29/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.11g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.19	4.20	21		12/20/2022 23:59
13C5 PFPeA	N/A	N/A	5.05	5.06	25		12/20/2022 23:59
13C3 PFBS	N/A	N/A	6.01	6.05	20		12/20/2022 23:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	91		12/20/2022 23:59
13C5 PFHxA	N/A	N/A	5.74	5.78	19		12/20/2022 23:59
13C4 PFHpA	N/A	N/A	6.42	6.45	19		12/20/2022 23:59
13C3 PFHxS	N/A	N/A	7.52	7.58	23		12/20/2022 23:59
13C2 6:2FTS	N/A	N/A	6.74	6.77	14		12/20/2022 23:59
13C8 PFOA	N/A	N/A	7.09	7.13	25		12/20/2022 23:59
13C9 PFNA	N/A	N/A	7.76	7.78	20		12/20/2022 23:59
13C8 PFOS	N/A	N/A	8.94	8.98	15		12/20/2022 23:59
13C2 8:2FTS	N/A	N/A	8.05	8.07	19	R	12/20/2022 23:59
13C6 PFDA	N/A	N/A	8.44	8.46	16		12/20/2022 23:59
d3-MeFOSAA	N/A	N/A	8.29	8.31	18		12/20/2022 23:59
13C8 PFOSA	N/A	N/A	10.58	10.62	11		12/20/2022 23:59
d5-EtFOSAA	N/A	N/A	8.59	8.61	15		12/20/2022 23:59
13C7 PFUdA	N/A	N/A	9.12	9.16	24		12/20/2022 23:59
13C2 PFDaA	N/A	N/A	9.80	9.85	12		12/20/2022 23:59
13C2 PFTeDA	N/A	N/A	11.17	11.21	14		12/20/2022 23:59
13C3 HFPO-DA	N/A	N/A	6.02	6.03	13		12/20/2022 23:59
d7-N-MeFOSE	N/A	N/A	12.50	12.54	48		12/20/2022 23:59
d9-N-EtFOSE	N/A	N/A	12.97	13.00	15		12/20/2022 23:59
d3-N-MeFOSA	N/A	N/A	12.70	12.73	72		12/20/2022 23:59
d5-N-EtFOSA	N/A	N/A	13.12	13.15	79		12/20/2022 23:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB1-24-0
 Lab Sample ID 10635405001
 Lab File ID B221220C_011
 Matrix Solid
 Collected 11/29/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.11g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/20/2022 23:59
PFPeA	N/A	N/A	5.06	5.06	ND		12/20/2022 23:59
HFPO-DA	0.50	0.34	6.03	6.04	ND		12/20/2022 23:59
PFBS	0.00	0.44	0.00	6.03	ND		12/20/2022 23:59
PFHxA	0.06	0.07	5.75	5.76	ND		12/20/2022 23:59
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/20/2022 23:59
PFPeS	0.00	0.39	0.00	6.83	ND		12/20/2022 23:59
PFHpA	0.28	0.32	6.42	6.46	ND		12/20/2022 23:59
DONA	0.00	0.63	0.00	6.70	ND		12/20/2022 23:59
PFHxS	0.00	0.37	0.00	7.58	ND		12/20/2022 23:59
PFOA	0.27	0.39	7.10	7.11	ND		12/20/2022 23:59
6:2 FTS	1.60	0.75	6.75	6.76	ND		12/20/2022 23:59
PFHpS	0.00	0.37	0.00	8.27	ND		12/20/2022 23:59
PFNA	0.27	0.17	7.77	7.79	ND		12/20/2022 23:59
PFOSAm	N/A	N/A	10.59	10.71	ND		12/20/2022 23:59
PFOS	0.29	0.45	8.95	9.11	ND		12/20/2022 23:59
MeFOSA	0.00	0.66	0.00	12.78	ND		12/20/2022 23:59
PFDA	0.00	0.18	0.00	8.53	ND		12/20/2022 23:59
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/20/2022 23:59
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/20/2022 23:59
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/20/2022 23:59
PFNS	0.00	0.41	0.00	9.68	ND		12/20/2022 23:59
PFUnDA	0.00	0.13	0.00	9.17	ND		12/20/2022 23:59
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/20/2022 23:59
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/20/2022 23:59
PFDS	0.00	0.33	0.00	10.37	ND		12/20/2022 23:59
PFDOA	0.16	0.17	9.79	9.86	ND		12/20/2022 23:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/20/2022 23:59
EtFOSE	0.00	0.00	0.00	13.04	ND		12/20/2022 23:59
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/20/2022 23:59
PFTTrDA	0.00	0.18	0.00	10.54	ND		12/20/2022 23:59
PFDoS	0.00	0.49	0.00	11.64	ND		12/20/2022 23:59
PFTDA	0.30	0.26	11.17	11.21	ND		12/20/2022 23:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB-2-24-0
 Lab Sample ID 10635405002
 Lab File ID B221220C_012
 Matrix Solid
 Collected 11/28/2022 14:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.08g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.035 J	0.098	0.028	0.028	1	375-22-4		12/21/2022 00:19
PFPeA	ND	0.098	0.028	0.028	1	2706-90-3		12/21/2022 00:19
HFPO-DA	ND	0.098	0.027	0.027	1	13252-13-6		12/21/2022 00:19
PFBS	ND	0.087	0.026	0.026	1	375-73-5		12/21/2022 00:19
PFHxA	0.044 J	0.098	0.027	0.027	1	307-24-4		12/21/2022 00:19
4:2 FTS	ND	0.092	0.023	0.023	1	757124-72-4		12/21/2022 00:19
PFPeS	ND	0.092	0.024	0.024	1	2706-91-4		12/21/2022 00:19
PFHpA	ND	0.098	0.034	0.034	1	375-85-9		12/21/2022 00:19
DONA	ND	0.093	0.036	0.036	1	919005-14-4		12/21/2022 00:19
PFHxS	0.11	0.090	0.022	0.022	1	355-46-4		12/21/2022 00:19
PFOA	0.095 J	0.098	0.031	0.031	1	335-67-1		12/21/2022 00:19
6:2 FTS	ND	0.093	0.041	0.041	1	27619-97-2		12/21/2022 00:19
PFHpS	0.029 J	0.093	0.027	0.027	1	375-92-8		12/21/2022 00:19
PFNA	ND	0.098	0.031	0.031	1	375-95-1		12/21/2022 00:19
PFOSAm	ND	0.098	0.029	0.029	1	754-91-6		12/21/2022 00:19
PFOS	2.0	0.091	0.029	0.029	1	1763-23-1		12/21/2022 00:19
MeFOSA	ND	0.098	0.027	0.027	1	31506-32-8		12/21/2022 00:19
PFDA	ND	0.098	0.022	0.022	1	335-76-2		12/21/2022 00:19
EtFOSAm	ND	0.098	0.025	0.025	1	4151-50-2		12/21/2022 00:19
8:2 FTS	ND	0.094	0.043	0.043	1	39108-34-4		12/21/2022 00:19
9-CI-PF3ON	ND	0.092	0.025	0.025	1	756426-58-1		12/21/2022 00:19
PFNS	ND	0.094	0.034	0.034	1	68259-12-1		12/21/2022 00:19
PFUnDA	ND	0.098	0.030	0.030	1	2058-94-8		12/21/2022 00:19
NMeFOSAA	ND	0.098	0.028	0.028	1	2355-31-9		12/21/2022 00:19
NEtFOSAA	ND	0.098	0.040	0.040	1	2991-50-6		12/21/2022 00:19
PFDS	ND	0.095	0.028	0.028	1	335-77-3		12/21/2022 00:19
PFDOA	ND	0.098	0.032	0.032	1	307-55-1		12/21/2022 00:19
MeFOSE	ND	0.098	0.030	0.030	1	24448-09-7		12/21/2022 00:19
EtFOSE	ND	0.098	0.032	0.032	1	1691-99-2		12/21/2022 00:19
11-CI-PF3OUdS	ND	0.093	0.025	0.025	1	763051-92-9		12/21/2022 00:19
PFTTrDA	ND	0.098	0.031	0.031	1	72629-94-8		12/21/2022 00:19
PFDoS	ND	0.095	0.026	0.026	1	79780-39-5		12/21/2022 00:19
PFTDA	ND	0.098	0.034	0.034	1	376-06-7		12/21/2022 00:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB-2-24-0
 Lab Sample ID 10635405002
 Lab File ID B221220C_012
 Matrix Solid
 Collected 11/28/2022 14:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.08g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.98	0.82	83	25-150		12/21/2022 00:19
13C5 PFPeA	0.98	0.83	84	25-150		12/21/2022 00:19
13C3 PFBS	0.91	0.78	85	25-150		12/21/2022 00:19
13C2 4:2FTS	0.92	1.0	110	25-150		12/21/2022 00:19
13C5 PFHxA	0.98	0.81	82	25-150		12/21/2022 00:19
13C4 PFHpA	0.98	0.87	89	25-150		12/21/2022 00:19
13C3 PFHxS	0.93	0.80	86	25-150		12/21/2022 00:19
13C2 6:2FTS	0.93	0.93	100	25-150		12/21/2022 00:19
13C8 PFOA	0.98	0.81	82	25-150		12/21/2022 00:19
13C9 PFNA	0.98	0.81	82	25-150		12/21/2022 00:19
13C8 PFOS	0.94	0.86	92	25-150		12/21/2022 00:19
13C2 8:2FTS	0.94	1.2	127	25-150		12/21/2022 00:19
13C6 PFDA	0.98	0.89	91	25-150		12/21/2022 00:19
d3-MeFOSAA	0.98	0.94	96	25-150		12/21/2022 00:19
13C8 PFOSA	0.98	0.85	87	25-150		12/21/2022 00:19
d5-EtFOSAA	0.98	0.99	101	25-150		12/21/2022 00:19
13C7 PFUdA	0.98	0.98	99	25-150		12/21/2022 00:19
13C2 PFDoA	0.98	1.1	107	25-150		12/21/2022 00:19
13C2 PFTeDA	0.98	1.1	117	25-150		12/21/2022 00:19
13C3 HFPO-DA	0.98	0.75	77	25-150		12/21/2022 00:19
d7-N-MeFOSE	0.98	0.74	75	10-150		12/21/2022 00:19
d9-N-EtFOSE	0.98	0.79	81	10-150		12/21/2022 00:19
d3-N-MeFOSA	0.98	0.26	27	10-150		12/21/2022 00:19
d5-N-EtFOSA	0.98	0.24	24	10-150		12/21/2022 00:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB-2-24-0
 Lab Sample ID 10635405002
 Lab File ID B221220C_012
 Matrix Solid
 Collected 11/28/2022 14:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.08g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	22		12/21/2022 00:19
13C5 PFPeA	N/A	N/A	5.04	5.06	24		12/21/2022 00:19
13C3 PFBS	N/A	N/A	6.01	6.05	23		12/21/2022 00:19
13C2 4:2FTS	N/A	N/A	5.46	5.50	74		12/21/2022 00:19
13C5 PFHxA	N/A	N/A	5.74	5.78	20		12/21/2022 00:19
13C4 PFHpA	N/A	N/A	6.42	6.45	19		12/21/2022 00:19
13C3 PFHxS	N/A	N/A	7.52	7.58	24		12/21/2022 00:19
13C2 6:2FTS	N/A	N/A	6.75	6.77	10		12/21/2022 00:19
13C8 PFOA	N/A	N/A	7.09	7.13	32		12/21/2022 00:19
13C9 PFNA	N/A	N/A	7.76	7.78	26		12/21/2022 00:19
13C8 PFOS	N/A	N/A	8.94	8.98	11		12/21/2022 00:19
13C2 8:2FTS	N/A	N/A	8.05	8.07	10		12/21/2022 00:19
13C6 PFDA	N/A	N/A	8.44	8.46	13		12/21/2022 00:19
d3-MeFOSAA	N/A	N/A	8.29	8.31	17		12/21/2022 00:19
13C8 PFOSA	N/A	N/A	10.58	10.62	13		12/21/2022 00:19
d5-EtFOSAA	N/A	N/A	8.59	8.61	13		12/21/2022 00:19
13C7 PFUdA	N/A	N/A	9.12	9.16	27		12/21/2022 00:19
13C2 PFDaA	N/A	N/A	9.79	9.85	12		12/21/2022 00:19
13C2 PFTeDA	N/A	N/A	11.17	11.21	12		12/21/2022 00:19
13C3 HFPO-DA	N/A	N/A	6.02	6.03	18		12/21/2022 00:19
d7-N-MeFOSE	N/A	N/A	12.51	12.54	49		12/21/2022 00:19
d9-N-EtFOSE	N/A	N/A	12.97	13.00	17		12/21/2022 00:19
d3-N-MeFOSA	N/A	N/A	12.71	12.73	46		12/21/2022 00:19
d5-N-EtFOSA	N/A	N/A	13.13	13.15	55		12/21/2022 00:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB-2-24-0
 Lab Sample ID 10635405002
 Lab File ID B221220C_012
 Matrix Solid
 Collected 11/28/2022 14:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.08g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	85	J	12/21/2022 00:19
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 00:19
HFPO-DA	0.68	0.34	6.03	6.04	ND		12/21/2022 00:19
PFBS	0.44	0.44	6.02	6.03	ND		12/21/2022 00:19
PFHxA	0.11	0.07	5.75	5.76	12	J	12/21/2022 00:19
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/21/2022 00:19
PFPeS	0.51	0.39	6.80	6.83	ND		12/21/2022 00:19
PFHpA	0.28	0.32	6.43	6.46	ND		12/21/2022 00:19
DONA	0.00	0.63	0.00	6.70	ND		12/21/2022 00:19
PFHxS	0.39	0.37	7.53	7.58	70		12/21/2022 00:19
PFOA	0.37	0.39	7.10	7.11	13	J	12/21/2022 00:19
6:2 FTS	0.00	0.75	0.00	6.76	ND		12/21/2022 00:19
PFHpS	0.46	0.37	8.25	8.27	25	J	12/21/2022 00:19
PFNA	0.15	0.17	7.77	7.79	ND		12/21/2022 00:19
PFOSAm	N/A	N/A	10.58	10.71	ND		12/21/2022 00:19
PFOS	0.42	0.45	8.95	9.11	66		12/21/2022 00:19
MeFOSA	0.00	0.66	0.00	12.78	ND		12/21/2022 00:19
PFDA	0.27	0.18	8.44	8.53	ND		12/21/2022 00:19
EtFOSAm	0.00	0.51	13.22	13.20	ND		12/21/2022 00:19
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/21/2022 00:19
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 00:19
PFNS	0.44	0.41	9.64	9.68	ND		12/21/2022 00:19
PFUnDA	0.16	0.13	9.12	9.17	ND		12/21/2022 00:19
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/21/2022 00:19
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/21/2022 00:19
PFDS	0.47	0.33	10.31	10.37	ND		12/21/2022 00:19
PFDOA	0.16	0.17	9.79	9.86	ND		12/21/2022 00:19
MeFOSE	N/A	N/A	12.89	12.59	ND		12/21/2022 00:19
EtFOSE	0.00	0.00	13.04	13.04	ND		12/21/2022 00:19
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 00:19
PFTTrDA	0.18	0.18	10.50	10.54	ND		12/21/2022 00:19
PFDoS	0.59	0.49	11.61	11.64	ND		12/21/2022 00:19
PFTDA	0.20	0.26	11.17	11.21	ND		12/21/2022 00:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB3-24-0
 Lab Sample ID 10635405003
 Lab File ID B221220C_013
 Matrix Solid
 Collected 11/28/2022 13:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.16g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.17	0.097	0.027	0.027	1	375-22-4		12/21/2022 00:39
PFPeA	ND	0.097	0.028	0.028	1	2706-90-3		12/21/2022 00:39
HFPO-DA	ND	0.097	0.027	0.027	1	13252-13-6		12/21/2022 00:39
PFBS	ND	0.086	0.026	0.026	1	375-73-5		12/21/2022 00:39
PFHxA	ND	0.097	0.027	0.027	1	307-24-4		12/21/2022 00:39
4:2 FTS	ND	0.091	0.022	0.022	1	757124-72-4		12/21/2022 00:39
PFPeS	ND	0.091	0.023	0.023	1	2706-91-4		12/21/2022 00:39
PFHpA	ND	0.097	0.034	0.034	1	375-85-9		12/21/2022 00:39
DONA	ND	0.092	0.035	0.035	1	919005-14-4		12/21/2022 00:39
PFHxS	ND	0.088	0.021	0.021	1	355-46-4		12/21/2022 00:39
PFOA	ND	0.097	0.030	0.030	1	335-67-1		12/21/2022 00:39
6:2 FTS	ND	0.092	0.040	0.040	1	27619-97-2		12/21/2022 00:39
PFHpS	ND	0.092	0.027	0.027	1	375-92-8		12/21/2022 00:39
PFNA	ND	0.097	0.030	0.030	1	375-95-1		12/21/2022 00:39
PFOSAm	ND	0.097	0.029	0.029	1	754-91-6		12/21/2022 00:39
PFOS	0.029 J	0.090	0.029	0.029	1	1763-23-1		12/21/2022 00:39
MeFOSA	ND	0.097	0.026	0.026	1	31506-32-8		12/21/2022 00:39
PFDA	ND	0.097	0.022	0.022	1	335-76-2		12/21/2022 00:39
EtFOSAm	ND	0.097	0.025	0.025	1	4151-50-2		12/21/2022 00:39
8:2 FTS	ND	0.093	0.043	0.043	1	39108-34-4		12/21/2022 00:39
9-CI-PF3ON	ND	0.090	0.024	0.024	1	756426-58-1		12/21/2022 00:39
PFNS	ND	0.093	0.034	0.034	1	68259-12-1		12/21/2022 00:39
PFUnDA	ND	0.097	0.029	0.029	1	2058-94-8		12/21/2022 00:39
NMeFOSAA	ND	0.097	0.027	0.027	1	2355-31-9		12/21/2022 00:39
NEtFOSAA	ND	0.097	0.039	0.039	1	2991-50-6		12/21/2022 00:39
PFDS	ND	0.094	0.027	0.027	1	335-77-3		12/21/2022 00:39
PFDOA	ND	0.097	0.032	0.032	1	307-55-1		12/21/2022 00:39
MeFOSE	ND	0.097	0.029	0.029	1	24448-09-7		12/21/2022 00:39
EtFOSE	ND	0.097	0.031	0.031	1	1691-99-2		12/21/2022 00:39
11-CI-PF3OUdS	ND	0.091	0.025	0.025	1	763051-92-9		12/21/2022 00:39
PFTTrDA	ND	0.097	0.031	0.031	1	72629-94-8		12/21/2022 00:39
PFDoS	ND	0.094	0.025	0.025	1	79780-39-5		12/21/2022 00:39
PFTDA	ND	0.097	0.033	0.033	1	376-06-7		12/21/2022 00:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB3-24-0
 Lab Sample ID 10635405003
 Lab File ID B221220C_013
 Matrix Solid
 Collected 11/28/2022 13:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.16g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.97	0.85	88	25-150		12/21/2022 00:39
13C5 PFPeA	0.97	0.84	86	25-150		12/21/2022 00:39
13C3 PFBS	0.90	0.79	87	25-150		12/21/2022 00:39
13C2 4:2FTS	0.91	0.94	104	25-150		12/21/2022 00:39
13C5 PFHxA	0.97	0.81	84	25-150		12/21/2022 00:39
13C4 PFHpA	0.97	0.84	87	25-150		12/21/2022 00:39
13C3 PFHxS	0.92	0.76	83	25-150		12/21/2022 00:39
13C2 6:2FTS	0.92	0.82	89	25-150		12/21/2022 00:39
13C8 PFOA	0.97	0.81	83	25-150		12/21/2022 00:39
13C9 PFNA	0.97	0.74	76	25-150		12/21/2022 00:39
13C8 PFOS	0.93	0.81	87	25-150		12/21/2022 00:39
13C2 8:2FTS	0.93	1.0	111	25-150		12/21/2022 00:39
13C6 PFDA	0.97	0.81	83	25-150		12/21/2022 00:39
d3-MeFOSAA	0.97	0.90	92	25-150		12/21/2022 00:39
13C8 PFOSA	0.97	0.87	90	25-150		12/21/2022 00:39
d5-EtFOSAA	0.97	0.97	100	25-150		12/21/2022 00:39
13C7 PFUdA	0.97	0.93	96	25-150		12/21/2022 00:39
13C2 PFDoA	0.97	0.94	97	25-150		12/21/2022 00:39
13C2 PFTeDA	0.97	1.1	110	25-150		12/21/2022 00:39
13C3 HFPO-DA	0.97	0.78	80	25-150		12/21/2022 00:39
d7-N-MeFOSE	0.97	0.87	90	10-150		12/21/2022 00:39
d9-N-EtFOSE	0.97	0.89	92	10-150		12/21/2022 00:39
d3-N-MeFOSA	0.97	0.84	87	10-150		12/21/2022 00:39
d5-N-EtFOSA	0.97	0.81	84	10-150		12/21/2022 00:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB3-24-0
 Lab Sample ID 10635405003
 Lab File ID B221220C_013
 Matrix Solid
 Collected 11/28/2022 13:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.16g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.23	4.20	21		12/21/2022 00:39
13C5 PFPeA	N/A	N/A	5.12	5.06	25		12/21/2022 00:39
13C3 PFBS	N/A	N/A	6.06	6.05	22		12/21/2022 00:39
13C2 4:2FTS	N/A	N/A	5.52	5.50	47		12/21/2022 00:39
13C5 PFHxA	N/A	N/A	5.80	5.78	18		12/21/2022 00:39
13C4 PFHpA	N/A	N/A	6.47	6.45	16		12/21/2022 00:39
13C3 PFHxS	N/A	N/A	7.55	7.58	23		12/21/2022 00:39
13C2 6:2FTS	N/A	N/A	6.78	6.77	10		12/21/2022 00:39
13C8 PFOA	N/A	N/A	7.12	7.13	22		12/21/2022 00:39
13C9 PFNA	N/A	N/A	7.78	7.78	17		12/21/2022 00:39
13C8 PFOS	N/A	N/A	8.96	8.98	15		12/21/2022 00:39
13C2 8:2FTS	N/A	N/A	8.07	8.07	12		12/21/2022 00:39
13C6 PFDA	N/A	N/A	8.46	8.46	14		12/21/2022 00:39
d3-MeFOSAA	N/A	N/A	8.31	8.31	11		12/21/2022 00:39
13C8 PFOSA	N/A	N/A	10.59	10.62	11		12/21/2022 00:39
d5-EtFOSAA	N/A	N/A	8.60	8.61	12		12/21/2022 00:39
13C7 PFUdA	N/A	N/A	9.14	9.16	20		12/21/2022 00:39
13C2 PFDoA	N/A	N/A	9.82	9.85	83		12/21/2022 00:39
13C2 PFTeDA	N/A	N/A	11.17	11.21	16		12/21/2022 00:39
13C3 HFPO-DA	N/A	N/A	6.07	6.03	18		12/21/2022 00:39
d7-N-MeFOSE	N/A	N/A	12.51	12.54	46		12/21/2022 00:39
d9-N-EtFOSE	N/A	N/A	12.98	13.00	17		12/21/2022 00:39
d3-N-MeFOSA	N/A	N/A	12.71	12.73	62		12/21/2022 00:39
d5-N-EtFOSA	N/A	N/A	13.13	13.15	74		12/21/2022 00:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB3-24-0
 Lab Sample ID 10635405003
 Lab File ID B221220C_013
 Matrix Solid
 Collected 11/28/2022 13:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.16g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.24	4.20	17		12/21/2022 00:39
PFPeA	N/A	N/A	5.13	5.06	ND		12/21/2022 00:39
HFPO-DA	5.30	0.34	6.08	6.04	ND		12/21/2022 00:39
PFBS	0.53	0.44	6.07	6.03	ND		12/21/2022 00:39
PFHxA	0.59	0.07	5.81	5.76	ND		12/21/2022 00:39
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/21/2022 00:39
PFPeS	0.57	0.39	6.83	6.83	ND		12/21/2022 00:39
PFHpA	0.19	0.32	6.48	6.46	ND		12/21/2022 00:39
DONA	0.00	0.63	0.00	6.70	ND		12/21/2022 00:39
PFHxS	0.86	0.37	7.57	7.58	ND		12/21/2022 00:39
PFOA	0.40	0.39	7.13	7.11	ND		12/21/2022 00:39
6:2 FTS	0.00	0.75	0.00	6.76	ND		12/21/2022 00:39
PFHpS	0.00	0.37	0.00	8.27	ND		12/21/2022 00:39
PFNA	0.12	0.17	7.79	7.79	ND		12/21/2022 00:39
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 00:39
PFOS	0.40	0.45	8.97	9.11	11	J	12/21/2022 00:39
MeFOSA	0.00	0.66	0.00	12.78	ND		12/21/2022 00:39
PFDA	0.00	0.18	8.47	8.53	ND		12/21/2022 00:39
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/21/2022 00:39
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/21/2022 00:39
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 00:39
PFNS	0.00	0.41	0.00	9.68	ND		12/21/2022 00:39
PFUnDA	0.11	0.13	9.15	9.17	ND		12/21/2022 00:39
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/21/2022 00:39
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/21/2022 00:39
PFDS	0.00	0.33	0.00	10.37	ND		12/21/2022 00:39
PFDOA	0.19	0.17	9.82	9.86	ND		12/21/2022 00:39
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 00:39
EtFOSE	0.00	0.00	13.02	13.04	ND		12/21/2022 00:39
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 00:39
PFTTrDA	0.16	0.18	10.50	10.54	ND		12/21/2022 00:39
PFDoS	0.00	0.49	0.00	11.64	ND		12/21/2022 00:39
PFTDA	0.23	0.26	11.18	11.21	ND		12/21/2022 00:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB4-24-0
 Lab Sample ID 10635405004
 Lab File ID B221220C_014
 Matrix Solid
 Collected 11/28/2022 13:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.15g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.29	0.097	0.027	0.027	1	375-22-4		12/21/2022 00:59
PFPeA	ND	0.097	0.028	0.028	1	2706-90-3		12/21/2022 00:59
HFPO-DA	ND	0.097	0.027	0.027	1	13252-13-6		12/21/2022 00:59
PFBS	ND	0.086	0.026	0.026	1	375-73-5		12/21/2022 00:59
PFHxA	ND	0.097	0.027	0.027	1	307-24-4		12/21/2022 00:59
4:2 FTS	ND	0.091	0.022	0.022	1	757124-72-4		12/21/2022 00:59
PFPeS	ND	0.091	0.023	0.023	1	2706-91-4		12/21/2022 00:59
PFHpA	ND	0.097	0.034	0.034	1	375-85-9		12/21/2022 00:59
DONA	ND	0.092	0.035	0.035	1	919005-14-4		12/21/2022 00:59
PFHxS	ND	0.088	0.021	0.021	1	355-46-4		12/21/2022 00:59
PFOA	ND	0.097	0.030	0.030	1	335-67-1		12/21/2022 00:59
6:2 FTS	ND	0.092	0.040	0.040	1	27619-97-2		12/21/2022 00:59
PFHpS	ND	0.092	0.027	0.027	1	375-92-8		12/21/2022 00:59
PFNA	ND	0.097	0.030	0.030	1	375-95-1		12/21/2022 00:59
PFOSAm	ND	0.097	0.029	0.029	1	754-91-6		12/21/2022 00:59
PFOS	ND	0.090	0.029	0.029	1	1763-23-1		12/21/2022 00:59
MeFOSA	ND	0.097	0.026	0.026	1	31506-32-8		12/21/2022 00:59
PFDA	ND	0.097	0.022	0.022	1	335-76-2		12/21/2022 00:59
EtFOSAm	ND	0.097	0.025	0.025	1	4151-50-2		12/21/2022 00:59
8:2 FTS	ND	0.093	0.043	0.043	1	39108-34-4		12/21/2022 00:59
9-CI-PF3ON	ND	0.090	0.024	0.024	1	756426-58-1		12/21/2022 00:59
PFNS	ND	0.093	0.034	0.034	1	68259-12-1		12/21/2022 00:59
PFUnDA	ND	0.097	0.029	0.029	1	2058-94-8		12/21/2022 00:59
NMeFOSAA	ND	0.097	0.027	0.027	1	2355-31-9		12/21/2022 00:59
NEtFOSAA	ND	0.097	0.039	0.039	1	2991-50-6		12/21/2022 00:59
PFDS	ND	0.094	0.027	0.027	1	335-77-3		12/21/2022 00:59
PFDOA	ND	0.097	0.032	0.032	1	307-55-1		12/21/2022 00:59
MeFOSE	ND	0.097	0.029	0.029	1	24448-09-7		12/21/2022 00:59
EtFOSE	ND	0.097	0.031	0.031	1	1691-99-2		12/21/2022 00:59
11-CI-PF3OUdS	ND	0.091	0.025	0.025	1	763051-92-9		12/21/2022 00:59
PFTTrDA	ND	0.097	0.031	0.031	1	72629-94-8		12/21/2022 00:59
PFDoS	ND	0.094	0.025	0.025	1	79780-39-5		12/21/2022 00:59
PFTDA	ND	0.097	0.033	0.033	1	376-06-7		12/21/2022 00:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB4-24-0
 Lab Sample ID 10635405004
 Lab File ID B221220C_014
 Matrix Solid
 Collected 11/28/2022 13:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.15g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.97	0.79	82	25-150		12/21/2022 00:59
13C5 PFPeA	0.97	0.78	81	25-150		12/21/2022 00:59
13C3 PFBS	0.90	0.75	84	25-150		12/21/2022 00:59
13C2 4:2FTS	0.91	0.86	95	25-150		12/21/2022 00:59
13C5 PFHxA	0.97	0.77	79	25-150		12/21/2022 00:59
13C4 PFHpA	0.97	0.78	80	25-150		12/21/2022 00:59
13C3 PFHxS	0.92	0.74	81	25-150		12/21/2022 00:59
13C2 6:2FTS	0.92	0.79	86	25-150		12/21/2022 00:59
13C8 PFOA	0.97	0.74	76	25-150		12/21/2022 00:59
13C9 PFNA	0.97	0.73	76	25-150		12/21/2022 00:59
13C8 PFOS	0.93	0.84	91	25-150		12/21/2022 00:59
13C2 8:2FTS	0.93	1.0	111	25-150		12/21/2022 00:59
13C6 PFDA	0.97	0.92	95	25-150		12/21/2022 00:59
d3-MeFOSAA	0.97	0.91	94	25-150		12/21/2022 00:59
13C8 PFOSA	0.97	0.79	82	25-150		12/21/2022 00:59
d5-EtFOSAA	0.97	0.89	91	25-150		12/21/2022 00:59
13C7 PFUdA	0.97	0.91	93	25-150		12/21/2022 00:59
13C2 PFDoA	0.97	0.93	96	25-150		12/21/2022 00:59
13C2 PFTeDA	0.97	0.98	101	25-150		12/21/2022 00:59
13C3 HFPO-DA	0.97	0.77	79	25-150		12/21/2022 00:59
d7-N-MeFOSE	0.97	0.79	81	10-150		12/21/2022 00:59
d9-N-EtFOSE	0.97	0.87	90	10-150		12/21/2022 00:59
d3-N-MeFOSA	0.97	0.72	74	10-150		12/21/2022 00:59
d5-N-EtFOSA	0.97	0.73	75	10-150		12/21/2022 00:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB4-24-0
 Lab Sample ID 10635405004
 Lab File ID B221220C_014
 Matrix Solid
 Collected 11/28/2022 13:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.15g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	21		12/21/2022 00:59
13C5 PFPeA	N/A	N/A	5.05	5.06	27		12/21/2022 00:59
13C3 PFBS	N/A	N/A	6.01	6.05	17		12/21/2022 00:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	71		12/21/2022 00:59
13C5 PFHxA	N/A	N/A	5.74	5.78	18		12/21/2022 00:59
13C4 PFHpA	N/A	N/A	6.42	6.45	17		12/21/2022 00:59
13C3 PFHxS	N/A	N/A	7.53	7.58	26		12/21/2022 00:59
13C2 6:2FTS	N/A	N/A	6.75	6.77	12		12/21/2022 00:59
13C8 PFOA	N/A	N/A	7.09	7.13	22		12/21/2022 00:59
13C9 PFNA	N/A	N/A	7.76	7.78	21		12/21/2022 00:59
13C8 PFOS	N/A	N/A	8.95	8.98	17		12/21/2022 00:59
13C2 8:2FTS	N/A	N/A	8.05	8.07	13		12/21/2022 00:59
13C6 PFDA	N/A	N/A	8.44	8.46	13		12/21/2022 00:59
d3-MeFOSAA	N/A	N/A	8.30	8.31	15		12/21/2022 00:59
13C8 PFOSA	N/A	N/A	10.59	10.62	10		12/21/2022 00:59
d5-EtFOSAA	N/A	N/A	8.59	8.61	17		12/21/2022 00:59
13C7 PFUdA	N/A	N/A	9.13	9.16	22		12/21/2022 00:59
13C2 PFDoA	N/A	N/A	9.82	9.85	10		12/21/2022 00:59
13C2 PFTeDA	N/A	N/A	11.17	11.21	11		12/21/2022 00:59
13C3 HFPO-DA	N/A	N/A	6.02	6.03	19		12/21/2022 00:59
d7-N-MeFOSE	N/A	N/A	12.52	12.54	46		12/21/2022 00:59
d9-N-EtFOSE	N/A	N/A	12.98	13.00	26		12/21/2022 00:59
d3-N-MeFOSA	N/A	N/A	12.72	12.73	70		12/21/2022 00:59
d5-N-EtFOSA	N/A	N/A	13.13	13.15	84		12/21/2022 00:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB4-24-0
 Lab Sample ID 10635405004
 Lab File ID B221220C_014
 Matrix Solid
 Collected 11/28/2022 13:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.15g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	23		12/21/2022 00:59
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 00:59
HFPO-DA	2.80	0.34	6.03	6.04	ND		12/21/2022 00:59
PFBS	0.59	0.44	6.01	6.03	ND		12/21/2022 00:59
PFHxA	0.39	0.07	5.75	5.76	ND		12/21/2022 00:59
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/21/2022 00:59
PFPeS	0.00	0.39	0.00	6.83	ND		12/21/2022 00:59
PFHpA	0.25	0.32	6.43	6.46	ND		12/21/2022 00:59
DONA	0.00	0.63	0.00	6.70	ND		12/21/2022 00:59
PFHxS	0.00	0.37	0.00	7.58	ND		12/21/2022 00:59
PFOA	0.32	0.39	7.10	7.11	ND		12/21/2022 00:59
6:2 FTS	0.00	0.75	0.00	6.76	ND		12/21/2022 00:59
PFHpS	0.00	0.37	0.00	8.27	ND		12/21/2022 00:59
PFNA	0.21	0.17	7.77	7.79	ND		12/21/2022 00:59
PFOSAm	N/A	N/A	10.61	10.71	ND		12/21/2022 00:59
PFOS	0.46	0.45	8.96	9.11	ND		12/21/2022 00:59
MeFOSA	0.00	0.66	0.00	12.78	ND		12/21/2022 00:59
PFDA	0.00	0.18	0.00	8.53	ND		12/21/2022 00:59
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/21/2022 00:59
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/21/2022 00:59
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 00:59
PFNS	0.00	0.41	0.00	9.68	ND		12/21/2022 00:59
PFUnDA	0.15	0.13	9.13	9.17	ND		12/21/2022 00:59
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/21/2022 00:59
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/21/2022 00:59
PFDS	0.00	0.33	0.00	10.37	ND		12/21/2022 00:59
PFDOA	0.00	0.17	0.00	9.86	ND		12/21/2022 00:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 00:59
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 00:59
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 00:59
PFTTrDA	0.00	0.18	0.00	10.54	ND		12/21/2022 00:59
PFDoS	0.00	0.49	0.00	11.64	ND		12/21/2022 00:59
PFTDA	0.21	0.26	11.18	11.21	ND		12/21/2022 00:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB5-24-0
 Lab Sample ID 10635405005
 Lab File ID B221220C_015
 Matrix Solid
 Collected 11/28/2022 14:15
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.047 J	0.096	0.027	0.027	1	375-22-4		12/21/2022 01:19
PFPeA	ND	0.096	0.027	0.027	1	2706-90-3		12/21/2022 01:19
HFPO-DA	ND	0.096	0.027	0.027	1	13252-13-6		12/21/2022 01:19
PFBS	ND	0.085	0.025	0.025	1	375-73-5		12/21/2022 01:19
PFHxA	0.027 J	0.096	0.026	0.026	1	307-24-4		12/21/2022 01:19
4:2 FTS	ND	0.090	0.022	0.022	1	757124-72-4		12/21/2022 01:19
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/21/2022 01:19
PFHpA	ND	0.096	0.033	0.033	1	375-85-9		12/21/2022 01:19
DONA	ND	0.091	0.035	0.035	1	919005-14-4		12/21/2022 01:19
PFHxS	0.15	0.087	0.021	0.021	1	355-46-4		12/21/2022 01:19
PFOA	0.077 J	0.096	0.030	0.030	1	335-67-1		12/21/2022 01:19
6:2 FTS	ND	0.091	0.040	0.040	1	27619-97-2		12/21/2022 01:19
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/21/2022 01:19
PFNA	ND	0.096	0.030	0.030	1	375-95-1		12/21/2022 01:19
PFOSAm	ND	0.096	0.028	0.028	1	754-91-6		12/21/2022 01:19
PFOS	2.2	0.089	0.028	0.028	1	1763-23-1		12/21/2022 01:19
MeFOSA	ND	0.096	0.026	0.026	1	31506-32-8		12/21/2022 01:19
PFDA	ND	0.096	0.022	0.022	1	335-76-2		12/21/2022 01:19
EtFOSAm	ND	0.096	0.025	0.025	1	4151-50-2		12/21/2022 01:19
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/21/2022 01:19
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/21/2022 01:19
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/21/2022 01:19
PFUnDA	ND	0.096	0.029	0.029	1	2058-94-8		12/21/2022 01:19
NMeFOSAA	ND	0.096	0.027	0.027	1	2355-31-9		12/21/2022 01:19
NEtFOSAA	ND	0.096	0.039	0.039	1	2991-50-6		12/21/2022 01:19
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/21/2022 01:19
PFDOA	ND	0.096	0.032	0.032	1	307-55-1		12/21/2022 01:19
MeFOSE	ND	0.096	0.029	0.029	1	24448-09-7		12/21/2022 01:19
EtFOSE	ND	0.096	0.031	0.031	1	1691-99-2		12/21/2022 01:19
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/21/2022 01:19
PFTTrDA	ND	0.096	0.031	0.031	1	72629-94-8		12/21/2022 01:19
PFDoS	ND	0.093	0.025	0.025	1	79780-39-5		12/21/2022 01:19
PFTDA	ND	0.096	0.033	0.033	1	376-06-7		12/21/2022 01:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB5-24-0
 Lab Sample ID 10635405005
 Lab File ID B221220C_015
 Matrix Solid
 Collected 11/28/2022 14:15
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.96	0.68	71	25-150		12/21/2022 01:19
13C5 PFPeA	0.96	0.69	72	25-150		12/21/2022 01:19
13C3 PFBS	0.89	0.70	79	25-150		12/21/2022 01:19
13C2 4:2FTS	0.90	0.80	89	25-150		12/21/2022 01:19
13C5 PFHxA	0.96	0.68	71	25-150		12/21/2022 01:19
13C4 PFHpA	0.96	0.72	75	25-150		12/21/2022 01:19
13C3 PFHxS	0.91	0.72	80	25-150		12/21/2022 01:19
13C2 6:2FTS	0.91	0.77	85	25-150		12/21/2022 01:19
13C8 PFOA	0.96	0.67	70	25-150		12/21/2022 01:19
13C9 PFNA	0.96	0.72	75	25-150		12/21/2022 01:19
13C8 PFOS	0.92	0.74	81	25-150		12/21/2022 01:19
13C2 8:2FTS	0.92	0.81	88	25-150		12/21/2022 01:19
13C6 PFDA	0.96	0.80	83	25-150		12/21/2022 01:19
d3-MeFOSAA	0.96	0.85	88	25-150		12/21/2022 01:19
13C8 PFOSA	0.96	0.71	74	25-150		12/21/2022 01:19
d5-EtFOSAA	0.96	0.85	89	25-150		12/21/2022 01:19
13C7 PFUdA	0.96	0.83	87	25-150		12/21/2022 01:19
13C2 PFDoA	0.96	0.90	94	25-150		12/21/2022 01:19
13C2 PFTeDA	0.96	0.94	98	25-150		12/21/2022 01:19
13C3 HFPO-DA	0.96	0.63	65	25-150		12/21/2022 01:19
d7-N-MeFOSE	0.96	0.72	75	10-150		12/21/2022 01:19
d9-N-EtFOSE	0.96	0.78	81	10-150		12/21/2022 01:19
d3-N-MeFOSA	0.96	0.74	77	10-150		12/21/2022 01:19
d5-N-EtFOSA	0.96	0.72	75	10-150		12/21/2022 01:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB5-24-0
 Lab Sample ID 10635405005
 Lab File ID B221220C_015
 Matrix Solid
 Collected 11/28/2022 14:15
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	19		12/21/2022 01:19
13C5 PFPeA	N/A	N/A	5.05	5.06	26		12/21/2022 01:19
13C3 PFBS	N/A	N/A	6.01	6.05	26		12/21/2022 01:19
13C2 4:2FTS	N/A	N/A	5.46	5.50	62		12/21/2022 01:19
13C5 PFHxA	N/A	N/A	5.75	5.78	18		12/21/2022 01:19
13C4 PFHpA	N/A	N/A	6.43	6.45	22		12/21/2022 01:19
13C3 PFHxS	N/A	N/A	7.53	7.58	22		12/21/2022 01:19
13C2 6:2FTS	N/A	N/A	6.75	6.77	11		12/21/2022 01:19
13C8 PFOA	N/A	N/A	7.10	7.13	20		12/21/2022 01:19
13C9 PFNA	N/A	N/A	7.76	7.78	19		12/21/2022 01:19
13C8 PFOS	N/A	N/A	8.95	8.98	11		12/21/2022 01:19
13C2 8:2FTS	N/A	N/A	8.05	8.07	11		12/21/2022 01:19
13C6 PFDA	N/A	N/A	8.44	8.46	15		12/21/2022 01:19
d3-MeFOSAA	N/A	N/A	8.30	8.31	13		12/21/2022 01:19
13C8 PFOSA	N/A	N/A	10.59	10.62	12		12/21/2022 01:19
d5-EtFOSAA	N/A	N/A	8.60	8.61	11		12/21/2022 01:19
13C7 PFUdA	N/A	N/A	9.13	9.16	24		12/21/2022 01:19
13C2 PFDoA	N/A	N/A	9.83	9.85	10		12/21/2022 01:19
13C2 PFTeDA	N/A	N/A	11.17	11.21	12		12/21/2022 01:19
13C3 HFPO-DA	N/A	N/A	6.02	6.03	16		12/21/2022 01:19
d7-N-MeFOSE	N/A	N/A	12.52	12.54	47		12/21/2022 01:19
d9-N-EtFOSE	N/A	N/A	12.98	13.00	28		12/21/2022 01:19
d3-N-MeFOSA	N/A	N/A	12.72	12.73	61		12/21/2022 01:19
d5-N-EtFOSA	N/A	N/A	13.13	13.15	69		12/21/2022 01:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB5-24-0
 Lab Sample ID 10635405005
 Lab File ID B221220C_015
 Matrix Solid
 Collected 11/28/2022 14:15
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	10	J	12/21/2022 01:19
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 01:19
HFPO-DA	0.21	0.34	6.04	6.04	ND		12/21/2022 01:19
PFBS	0.29	0.44	6.02	6.03	ND		12/21/2022 01:19
PFHxA	0.07	0.07	5.75	5.76	88	J	12/21/2022 01:19
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/21/2022 01:19
PFPeS	0.41	0.39	6.80	6.83	ND		12/21/2022 01:19
PFHpA	0.41	0.32	6.43	6.46	ND		12/21/2022 01:19
DONA	0.00	0.63	0.00	6.70	ND		12/21/2022 01:19
PFHxS	0.36	0.37	7.53	7.58	80		12/21/2022 01:19
PFOA	0.32	0.39	7.10	7.11	87	J	12/21/2022 01:19
6:2 FTS	0.00	0.75	0.00	6.76	ND		12/21/2022 01:19
PFHpS	0.39	0.37	8.25	8.27	ND		12/21/2022 01:19
PFNA	0.15	0.17	7.77	7.79	ND		12/21/2022 01:19
PFOSAm	N/A	N/A	10.61	10.71	ND		12/21/2022 01:19
PFOS	0.42	0.45	8.96	9.11	91		12/21/2022 01:19
MeFOSA	0.00	0.66	0.00	12.78	ND		12/21/2022 01:19
PFDA	0.12	0.18	8.45	8.53	ND		12/21/2022 01:19
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/21/2022 01:19
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/21/2022 01:19
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 01:19
PFNS	0.52	0.41	9.65	9.68	ND		12/21/2022 01:19
PFUnDA	0.12	0.13	9.13	9.17	ND		12/21/2022 01:19
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/21/2022 01:19
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/21/2022 01:19
PFDS	0.47	0.33	10.34	10.37	ND		12/21/2022 01:19
PFDOA	0.22	0.17	9.83	9.86	ND		12/21/2022 01:19
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 01:19
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 01:19
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 01:19
PFTTrDA	0.14	0.18	10.52	10.54	ND		12/21/2022 01:19
PFDoS	0.51	0.49	11.60	11.64	ND		12/21/2022 01:19
PFTDA	0.19	0.26	11.18	11.21	ND		12/21/2022 01:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB8-24-0
 Lab Sample ID 10635405006
 Lab File ID B221220C_016
 Matrix Solid
 Collected 11/28/2022 16:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.096	0.027	0.027	1	375-22-4		12/21/2022 01:39
PFPeA	ND	0.096	0.027	0.027	1	2706-90-3		12/21/2022 01:39
HFPO-DA	ND	0.096	0.027	0.027	1	13252-13-6		12/21/2022 01:39
PFBS	ND	0.085	0.025	0.025	1	375-73-5		12/21/2022 01:39
PFHxA	ND	0.096	0.026	0.026	1	307-24-4		12/21/2022 01:39
4:2 FTS	ND	0.090	0.022	0.022	1	757124-72-4		12/21/2022 01:39
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/21/2022 01:39
PFHpA	ND	0.096	0.033	0.033	1	375-85-9		12/21/2022 01:39
DONA	ND	0.091	0.035	0.035	1	919005-14-4		12/21/2022 01:39
PFHxS	ND	0.087	0.021	0.021	1	355-46-4		12/21/2022 01:39
PFOA	ND	0.096	0.030	0.030	1	335-67-1		12/21/2022 01:39
6:2 FTS	ND	0.091	0.040	0.040	1	27619-97-2		12/21/2022 01:39
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/21/2022 01:39
PFNA	ND	0.096	0.030	0.030	1	375-95-1		12/21/2022 01:39
PFOSAm	ND	0.096	0.028	0.028	1	754-91-6		12/21/2022 01:39
PFOS	0.18	0.089	0.028	0.028	1	1763-23-1		12/21/2022 01:39
MeFOSA	ND	0.096	0.026	0.026	1	31506-32-8		12/21/2022 01:39
PFDA	ND	0.096	0.022	0.022	1	335-76-2		12/21/2022 01:39
EtFOSAm	ND	0.096	0.025	0.025	1	4151-50-2		12/21/2022 01:39
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/21/2022 01:39
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/21/2022 01:39
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/21/2022 01:39
PFUnDA	ND	0.096	0.029	0.029	1	2058-94-8		12/21/2022 01:39
NMeFOSAA	ND	0.096	0.027	0.027	1	2355-31-9		12/21/2022 01:39
NEtFOSAA	ND	0.096	0.039	0.039	1	2991-50-6		12/21/2022 01:39
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/21/2022 01:39
PFDOA	ND	0.096	0.032	0.032	1	307-55-1		12/21/2022 01:39
MeFOSE	ND	0.096	0.029	0.029	1	24448-09-7		12/21/2022 01:39
EtFOSE	ND	0.096	0.031	0.031	1	1691-99-2		12/21/2022 01:39
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/21/2022 01:39
PFTTrDA	ND	0.096	0.031	0.031	1	72629-94-8		12/21/2022 01:39
PFDoS	ND	0.093	0.025	0.025	1	79780-39-5		12/21/2022 01:39
PFTDA	ND	0.096	0.033	0.033	1	376-06-7		12/21/2022 01:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB8-24-0
 Lab Sample ID 10635405006
 Lab File ID B221220C_016
 Matrix Solid
 Collected 11/28/2022 16:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.96	0.89	93	25-150		12/21/2022 01:39
13C5 PFPeA	0.96	0.88	92	25-150		12/21/2022 01:39
13C3 PFBS	0.89	0.77	87	25-150		12/21/2022 01:39
13C2 4:2FTS	0.90	0.87	97	25-150		12/21/2022 01:39
13C5 PFHxA	0.96	0.86	90	25-150		12/21/2022 01:39
13C4 PFHpA	0.96	0.86	89	25-150		12/21/2022 01:39
13C3 PFHxS	0.91	0.80	89	25-150		12/21/2022 01:39
13C2 6:2FTS	0.91	0.87	95	25-150		12/21/2022 01:39
13C8 PFOA	0.96	0.87	91	25-150		12/21/2022 01:39
13C9 PFNA	0.96	0.84	87	25-150		12/21/2022 01:39
13C8 PFOS	0.92	0.87	95	25-150		12/21/2022 01:39
13C2 8:2FTS	0.92	1.1	119	25-150		12/21/2022 01:39
13C6 PFDA	0.96	0.94	98	25-150		12/21/2022 01:39
d3-MeFOSAA	0.96	0.87	91	25-150		12/21/2022 01:39
13C8 PFOSA	0.96	0.91	95	25-150		12/21/2022 01:39
d5-EtFOSAA	0.96	0.96	101	25-150		12/21/2022 01:39
13C7 PFUdA	0.96	0.94	98	25-150		12/21/2022 01:39
13C2 PFDoA	0.96	0.98	103	25-150		12/21/2022 01:39
13C2 PFTeDA	0.96	1.1	115	25-150		12/21/2022 01:39
13C3 HFPO-DA	0.96	0.85	89	25-150		12/21/2022 01:39
d7-N-MeFOSE	0.96	0.97	101	10-150		12/21/2022 01:39
d9-N-EtFOSE	0.96	1.2	120	10-150		12/21/2022 01:39
d3-N-MeFOSA	0.96	0.99	103	10-150		12/21/2022 01:39
d5-N-EtFOSA	0.96	0.87	91	10-150		12/21/2022 01:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB8-24-0
 Lab Sample ID 10635405006
 Lab File ID B221220C_016
 Matrix Solid
 Collected 11/28/2022 16:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	23		12/21/2022 01:39
13C5 PFPeA	N/A	N/A	5.04	5.06	25		12/21/2022 01:39
13C3 PFBS	N/A	N/A	6.01	6.05	15		12/21/2022 01:39
13C2 4:2FTS	N/A	N/A	5.45	5.50	62		12/21/2022 01:39
13C5 PFHxA	N/A	N/A	5.74	5.78	20		12/21/2022 01:39
13C4 PFHpA	N/A	N/A	6.42	6.45	22		12/21/2022 01:39
13C3 PFHxS	N/A	N/A	7.53	7.58	26		12/21/2022 01:39
13C2 6:2FTS	N/A	N/A	6.75	6.77	79		12/21/2022 01:39
13C8 PFOA	N/A	N/A	7.10	7.13	28		12/21/2022 01:39
13C9 PFNA	N/A	N/A	7.77	7.78	22		12/21/2022 01:39
13C8 PFOS	N/A	N/A	8.96	8.98	13		12/21/2022 01:39
13C2 8:2FTS	N/A	N/A	8.06	8.07	13		12/21/2022 01:39
13C6 PFDA	N/A	N/A	8.45	8.46	12		12/21/2022 01:39
d3-MeFOSAA	N/A	N/A	8.30	8.31	14		12/21/2022 01:39
13C8 PFOSA	N/A	N/A	10.60	10.62	12		12/21/2022 01:39
d5-EtFOSAA	N/A	N/A	8.60	8.61	14		12/21/2022 01:39
13C7 PFUdA	N/A	N/A	9.14	9.16	32		12/21/2022 01:39
13C2 PFDoA	N/A	N/A	9.82	9.85	12		12/21/2022 01:39
13C2 PFTeDA	N/A	N/A	11.18	11.21	10		12/21/2022 01:39
13C3 HFPO-DA	N/A	N/A	6.02	6.03	20		12/21/2022 01:39
d7-N-MeFOSE	N/A	N/A	12.51	12.54	46		12/21/2022 01:39
d9-N-EtFOSE	N/A	N/A	12.97	13.00	25		12/21/2022 01:39
d3-N-MeFOSA	N/A	N/A	12.71	12.73	86		12/21/2022 01:39
d5-N-EtFOSA	N/A	N/A	13.13	13.15	83		12/21/2022 01:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB8-24-0
 Lab Sample ID 10635405006
 Lab File ID B221220C_016
 Matrix Solid
 Collected 11/28/2022 16:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 01:39
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 01:39
HFPO-DA	2.00	0.34	6.03	6.04	ND		12/21/2022 01:39
PFBS	0.72	0.44	6.01	6.03	ND		12/21/2022 01:39
PFHxA	0.11	0.07	5.75	5.76	ND		12/21/2022 01:39
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/21/2022 01:39
PFPeS	0.00	0.39	0.00	6.83	ND		12/21/2022 01:39
PFHpA	0.27	0.32	6.43	6.46	ND		12/21/2022 01:39
DONA	0.45	0.63	6.68	6.70	ND		12/21/2022 01:39
PFHxS	0.44	0.37	7.54	7.58	ND		12/21/2022 01:39
PFOA	0.45	0.39	7.10	7.11	ND		12/21/2022 01:39
6:2 FTS	0.00	0.75	0.00	6.76	ND		12/21/2022 01:39
PFHpS	0.00	0.37	0.00	8.27	ND		12/21/2022 01:39
PFNA	0.16	0.17	7.78	7.79	ND		12/21/2022 01:39
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 01:39
PFOS	0.49	0.45	8.97	9.11	39		12/21/2022 01:39
MeFOSA	0.00	0.66	0.00	12.78	ND		12/21/2022 01:39
PFDA	0.14	0.18	8.46	8.53	ND		12/21/2022 01:39
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/21/2022 01:39
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/21/2022 01:39
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 01:39
PFNS	0.00	0.41	0.00	9.68	ND		12/21/2022 01:39
PFUnDA	0.05	0.13	9.15	9.17	ND		12/21/2022 01:39
NMeFOSAA	0.99	0.84	8.32	8.32	ND		12/21/2022 01:39
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/21/2022 01:39
PFDS	0.34	0.33	10.34	10.37	ND		12/21/2022 01:39
PFDOA	0.17	0.17	9.83	9.86	ND		12/21/2022 01:39
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 01:39
EtFOSE	0.00	0.00	13.01	13.04	ND		12/21/2022 01:39
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 01:39
PFTTrDA	0.18	0.18	10.51	10.54	ND		12/21/2022 01:39
PFDoS	0.00	0.49	11.60	11.64	ND		12/21/2022 01:39
PFTDA	0.27	0.26	11.19	11.21	ND		12/21/2022 01:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB9-24-0
 Lab Sample ID 10635405007
 Lab File ID B221220C_018
 Matrix Solid
 Collected 11/28/2022 17:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.27g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.030 J	0.095	0.027	0.027	1	375-22-4		12/21/2022 02:19
PFPeA	ND	0.095	0.027	0.027	1	2706-90-3		12/21/2022 02:19
HFPO-DA	ND	0.095	0.026	0.026	1	13252-13-6		12/21/2022 02:19
PFBS	ND	0.084	0.025	0.025	1	375-73-5		12/21/2022 02:19
PFHxA	ND	0.095	0.026	0.026	1	307-24-4		12/21/2022 02:19
4:2 FTS	ND	0.089	0.022	0.022	1	757124-72-4		12/21/2022 02:19
PFPeS	ND	0.089	0.023	0.023	1	2706-91-4		12/21/2022 02:19
PFHpA	ND	0.095	0.033	0.033	1	375-85-9		12/21/2022 02:19
DONA	ND	0.090	0.034	0.034	1	919005-14-4		12/21/2022 02:19
PFHxS	ND	0.086	0.021	0.021	1	355-46-4		12/21/2022 02:19
PFOA	ND	0.095	0.029	0.029	1	335-67-1		12/21/2022 02:19
6:2 FTS	ND	0.090	0.039	0.039	1	27619-97-2		12/21/2022 02:19
PFHpS	ND	0.090	0.026	0.026	1	375-92-8		12/21/2022 02:19
PFNA	ND	0.095	0.029	0.029	1	375-95-1		12/21/2022 02:19
PFOSAm	ND	0.095	0.028	0.028	1	754-91-6		12/21/2022 02:19
PFOS	0.20	0.088	0.028	0.028	1	1763-23-1		12/21/2022 02:19
MeFOSA	ND	0.095	0.026	0.026	1	31506-32-8		12/21/2022 02:19
PFDA	ND	0.095	0.022	0.022	1	335-76-2		12/21/2022 02:19
EtFOSAm	ND	0.095	0.024	0.024	1	4151-50-2		12/21/2022 02:19
8:2 FTS	ND	0.091	0.042	0.042	1	39108-34-4		12/21/2022 02:19
9-CI-PF3ON	ND	0.088	0.024	0.024	1	756426-58-1		12/21/2022 02:19
PFNS	ND	0.091	0.033	0.033	1	68259-12-1		12/21/2022 02:19
PFUnDA	ND	0.095	0.029	0.029	1	2058-94-8		12/21/2022 02:19
NMeFOSAA	ND	0.095	0.027	0.027	1	2355-31-9		12/21/2022 02:19
NEtFOSAA	ND	0.095	0.038	0.038	1	2991-50-6		12/21/2022 02:19
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/21/2022 02:19
PFDOA	ND	0.095	0.031	0.031	1	307-55-1		12/21/2022 02:19
MeFOSE	ND	0.095	0.029	0.029	1	24448-09-7		12/21/2022 02:19
EtFOSE	ND	0.095	0.031	0.031	1	1691-99-2		12/21/2022 02:19
11-CI-PF3OUdS	ND	0.089	0.024	0.024	1	763051-92-9		12/21/2022 02:19
PFTTrDA	ND	0.095	0.030	0.030	1	72629-94-8		12/21/2022 02:19
PFDoS	ND	0.092	0.025	0.025	1	79780-39-5		12/21/2022 02:19
PFTDA	ND	0.095	0.033	0.033	1	376-06-7		12/21/2022 02:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB9-24-0
 Lab Sample ID 10635405007
 Lab File ID B221220C_018
 Matrix Solid
 Collected 11/28/2022 17:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.27g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.95	0.69	72	25-150		12/21/2022 02:19
13C5 PFPeA	0.95	0.68	71	25-150		12/21/2022 02:19
13C3 PFBS	0.88	0.66	75	25-150		12/21/2022 02:19
13C2 4:2FTS	0.89	0.66	75	25-150		12/21/2022 02:19
13C5 PFHxA	0.95	0.72	76	25-150		12/21/2022 02:19
13C4 PFHpA	0.95	0.66	69	25-150		12/21/2022 02:19
13C3 PFHxS	0.90	0.65	72	25-150		12/21/2022 02:19
13C2 6:2FTS	0.90	0.62	69	25-150		12/21/2022 02:19
13C8 PFOA	0.95	0.70	74	25-150		12/21/2022 02:19
13C9 PFNA	0.95	0.66	69	25-150		12/21/2022 02:19
13C8 PFOS	0.91	0.64	71	25-150		12/21/2022 02:19
13C2 8:2FTS	0.91	0.72	79	25-150		12/21/2022 02:19
13C6 PFDA	0.95	0.75	80	25-150		12/21/2022 02:19
d3-MeFOSAA	0.95	0.62	65	25-150		12/21/2022 02:19
13C8 PFOSA	0.95	0.64	67	25-150		12/21/2022 02:19
d5-EtFOSAA	0.95	0.68	72	25-150		12/21/2022 02:19
13C7 PFUdA	0.95	0.66	69	25-150		12/21/2022 02:19
13C2 PFDoA	0.95	0.68	72	25-150		12/21/2022 02:19
13C2 PFTeDA	0.95	0.66	69	25-150		12/21/2022 02:19
13C3 HFPO-DA	0.95	0.69	73	25-150		12/21/2022 02:19
d7-N-MeFOSE	0.95	0.60	64	10-150		12/21/2022 02:19
d9-N-EtFOSE	0.95	0.67	70	10-150		12/21/2022 02:19
d3-N-MeFOSA	0.95	0.49	52	10-150		12/21/2022 02:19
d5-N-EtFOSA	0.95	0.49	52	10-150		12/21/2022 02:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB9-24-0
 Lab Sample ID 10635405007
 Lab File ID B221220C_018
 Matrix Solid
 Collected 11/28/2022 17:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.27g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	18		12/21/2022 02:19
13C5 PFPeA	N/A	N/A	5.05	5.06	22		12/21/2022 02:19
13C3 PFBS	N/A	N/A	6.01	6.05	27		12/21/2022 02:19
13C2 4:2FTS	N/A	N/A	5.46	5.50	86		12/21/2022 02:19
13C5 PFHxA	N/A	N/A	5.74	5.78	18		12/21/2022 02:19
13C4 PFHpA	N/A	N/A	6.43	6.45	23		12/21/2022 02:19
13C3 PFHxS	N/A	N/A	7.53	7.58	23		12/21/2022 02:19
13C2 6:2FTS	N/A	N/A	6.75	6.77	11		12/21/2022 02:19
13C8 PFOA	N/A	N/A	7.10	7.13	21		12/21/2022 02:19
13C9 PFNA	N/A	N/A	7.76	7.78	17		12/21/2022 02:19
13C8 PFOS	N/A	N/A	8.96	8.98	23		12/21/2022 02:19
13C2 8:2FTS	N/A	N/A	8.06	8.07	10		12/21/2022 02:19
13C6 PFDA	N/A	N/A	8.45	8.46	12		12/21/2022 02:19
d3-MeFOSAA	N/A	N/A	8.30	8.31	78		12/21/2022 02:19
13C8 PFOSA	N/A	N/A	10.60	10.62	11		12/21/2022 02:19
d5-EtFOSAA	N/A	N/A	8.60	8.61	11		12/21/2022 02:19
13C7 PFUdA	N/A	N/A	9.14	9.16	23		12/21/2022 02:19
13C2 PFDoA	N/A	N/A	9.84	9.85	12		12/21/2022 02:19
13C2 PFTeDA	N/A	N/A	11.18	11.21	10		12/21/2022 02:19
13C3 HFPO-DA	N/A	N/A	6.02	6.03	21		12/21/2022 02:19
d7-N-MeFOSE	N/A	N/A	12.50	12.54	43		12/21/2022 02:19
d9-N-EtFOSE	N/A	N/A	12.97	13.00	18		12/21/2022 02:19
d3-N-MeFOSA	N/A	N/A	12.71	12.73	81		12/21/2022 02:19
d5-N-EtFOSA	N/A	N/A	13.12	13.15	71		12/21/2022 02:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB9-24-0
 Lab Sample ID 10635405007
 Lab File ID B221220C_018
 Matrix Solid
 Collected 11/28/2022 17:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.27g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	81	J	12/21/2022 02:19
PFPeA	N/A	N/A	5.06	5.06	ND		12/21/2022 02:19
HFPO-DA	0.47	0.34	6.04	6.04	ND		12/21/2022 02:19
PFBS	0.54	0.40	6.02	6.03	ND		12/21/2022 02:19
PFHxA	0.05	0.07	5.75	5.76	ND		12/21/2022 02:19
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 02:19
PFPeS	0.00	0.43	0.00	6.83	ND		12/21/2022 02:19
PFHpA	0.36	0.31	6.44	6.46	ND		12/21/2022 02:19
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 02:19
PFHxS	0.38	0.37	7.53	7.58	ND		12/21/2022 02:19
PFOA	0.22	0.37	7.10	7.11	ND		12/21/2022 02:19
6:2 FTS	0.00	0.93	0.00	6.76	ND		12/21/2022 02:19
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 02:19
PFNA	0.21	0.18	7.77	7.79	ND		12/21/2022 02:19
PFOSAm	N/A	N/A	10.61	10.71	ND		12/21/2022 02:19
PFOS	0.47	0.41	8.97	9.11	11		12/21/2022 02:19
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 02:19
PFDA	0.15	0.16	8.46	8.53	ND		12/21/2022 02:19
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 02:19
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 02:19
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 02:19
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 02:19
PFUnDA	0.17	0.14	9.14	9.17	ND		12/21/2022 02:19
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 02:19
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 02:19
PFDS	0.33	0.32	10.35	10.37	ND		12/21/2022 02:19
PFDOA	0.14	0.19	9.84	9.86	ND		12/21/2022 02:19
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 02:19
EtFOSE	0.00	0.00	13.01	13.04	ND		12/21/2022 02:19
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 02:19
PFTTrDA	0.17	0.17	10.53	10.54	ND		12/21/2022 02:19
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 02:19
PFTDA	0.18	0.25	11.19	11.21	ND		12/21/2022 02:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB12-24-0
 Lab Sample ID 10635405010
 Lab File ID B221220C_019
 Matrix Solid
 Collected 11/28/2022 17:10
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.12g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.098	0.028	0.028	1	375-22-4		12/21/2022 02:39
PFPeA	ND	0.098	0.028	0.028	1	2706-90-3		12/21/2022 02:39
HFPO-DA	ND	0.098	0.027	0.027	1	13252-13-6		12/21/2022 02:39
PFBS	ND	0.086	0.026	0.026	1	375-73-5		12/21/2022 02:39
PFHxA	ND	0.098	0.027	0.027	1	307-24-4		12/21/2022 02:39
4:2 FTS	ND	0.091	0.023	0.023	1	757124-72-4		12/21/2022 02:39
PFPeS	ND	0.092	0.023	0.023	1	2706-91-4		12/21/2022 02:39
PFHpA	ND	0.098	0.034	0.034	1	375-85-9		12/21/2022 02:39
DONA	ND	0.092	0.035	0.035	1	919005-14-4		12/21/2022 02:39
PFHxS	ND	0.089	0.021	0.021	1	355-46-4		12/21/2022 02:39
PFOA	ND	0.098	0.030	0.030	1	335-67-1		12/21/2022 02:39
6:2 FTS	ND	0.093	0.040	0.040	1	27619-97-2		12/21/2022 02:39
PFHpS	ND	0.093	0.027	0.027	1	375-92-8		12/21/2022 02:39
PFNA	ND	0.098	0.030	0.030	1	375-95-1		12/21/2022 02:39
PFOSAm	ND	0.098	0.029	0.029	1	754-91-6		12/21/2022 02:39
PFOS	ND	0.090	0.029	0.029	1	1763-23-1		12/21/2022 02:39
MeFOSA	ND	0.098	0.027	0.027	1	31506-32-8		12/21/2022 02:39
PFDA	ND	0.098	0.022	0.022	1	335-76-2		12/21/2022 02:39
EtFOSAm	ND	0.098	0.025	0.025	1	4151-50-2		12/21/2022 02:39
8:2 FTS	ND	0.094	0.043	0.043	1	39108-34-4		12/21/2022 02:39
9-CI-PF3ON	ND	0.091	0.025	0.025	1	756426-58-1		12/21/2022 02:39
PFNS	ND	0.094	0.034	0.034	1	68259-12-1		12/21/2022 02:39
PFUnDA	ND	0.098	0.029	0.029	1	2058-94-8		12/21/2022 02:39
NMeFOSAA	ND	0.098	0.027	0.027	1	2355-31-9		12/21/2022 02:39
NEtFOSAA	ND	0.098	0.039	0.039	1	2991-50-6		12/21/2022 02:39
PFDS	ND	0.094	0.028	0.028	1	335-77-3		12/21/2022 02:39
PFDOA	ND	0.098	0.032	0.032	1	307-55-1		12/21/2022 02:39
MeFOSE	ND	0.098	0.030	0.030	1	24448-09-7		12/21/2022 02:39
EtFOSE	ND	0.098	0.031	0.031	1	1691-99-2		12/21/2022 02:39
11-CI-PF3OUdS	ND	0.092	0.025	0.025	1	763051-92-9		12/21/2022 02:39
PFTTrDA	ND	0.098	0.031	0.031	1	72629-94-8		12/21/2022 02:39
PFDoS	ND	0.095	0.025	0.025	1	79780-39-5		12/21/2022 02:39
PFTDA	ND	0.098	0.034	0.034	1	376-06-7		12/21/2022 02:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB12-24-0
 Lab Sample ID 10635405010
 Lab File ID B221220C_019
 Matrix Solid
 Collected 11/28/2022 17:10
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.12g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.98	0.72	74	25-150		12/21/2022 02:39
13C5 PFPeA	0.98	0.72	74	25-150		12/21/2022 02:39
13C3 PFBS	0.91	0.66	73	25-150		12/21/2022 02:39
13C2 4:2FTS	0.91	0.71	78	25-150		12/21/2022 02:39
13C5 PFHxA	0.98	0.73	75	25-150		12/21/2022 02:39
13C4 PFHpA	0.98	0.70	71	25-150		12/21/2022 02:39
13C3 PFHxS	0.92	0.68	74	25-150		12/21/2022 02:39
13C2 6:2FTS	0.93	0.68	73	25-150		12/21/2022 02:39
13C8 PFOA	0.98	0.74	75	25-150		12/21/2022 02:39
13C9 PFNA	0.98	0.76	78	25-150		12/21/2022 02:39
13C8 PFOS	0.93	0.72	77	25-150		12/21/2022 02:39
13C2 8:2FTS	0.94	0.83	89	25-150		12/21/2022 02:39
13C6 PFDA	0.98	0.80	81	25-150		12/21/2022 02:39
d3-MeFOSAA	0.98	0.66	67	25-150		12/21/2022 02:39
13C8 PFOSA	0.98	0.64	65	25-150		12/21/2022 02:39
d5-EtFOSAA	0.98	0.80	82	25-150		12/21/2022 02:39
13C7 PFUdA	0.98	0.76	77	25-150		12/21/2022 02:39
13C2 PFDoA	0.98	0.80	82	25-150		12/21/2022 02:39
13C2 PFTeDA	0.98	0.74	76	25-150		12/21/2022 02:39
13C3 HFPO-DA	0.98	0.72	74	25-150		12/21/2022 02:39
d7-N-MeFOSE	0.98	0.61	62	10-150		12/21/2022 02:39
d9-N-EtFOSE	0.98	0.72	73	10-150		12/21/2022 02:39
d3-N-MeFOSA	0.98	0.63	64	10-150		12/21/2022 02:39
d5-N-EtFOSA	0.98	0.65	66	10-150		12/21/2022 02:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB12-24-0
 Lab Sample ID 10635405010
 Lab File ID B221220C_019
 Matrix Solid
 Collected 11/28/2022 17:10
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.12g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	18		12/21/2022 02:39
13C5 PFPeA	N/A	N/A	5.05	5.06	30		12/21/2022 02:39
13C3 PFBS	N/A	N/A	6.01	6.05	20		12/21/2022 02:39
13C2 4:2FTS	N/A	N/A	5.46	5.50	58		12/21/2022 02:39
13C5 PFHxA	N/A	N/A	5.75	5.78	16		12/21/2022 02:39
13C4 PFHpA	N/A	N/A	6.43	6.45	22		12/21/2022 02:39
13C3 PFHxS	N/A	N/A	7.53	7.58	18		12/21/2022 02:39
13C2 6:2FTS	N/A	N/A	6.75	6.77	68		12/21/2022 02:39
13C8 PFOA	N/A	N/A	7.10	7.13	28		12/21/2022 02:39
13C9 PFNA	N/A	N/A	7.77	7.78	20		12/21/2022 02:39
13C8 PFOS	N/A	N/A	8.95	8.98	91		12/21/2022 02:39
13C2 8:2FTS	N/A	N/A	8.06	8.07	82		12/21/2022 02:39
13C6 PFDA	N/A	N/A	8.45	8.46	92		12/21/2022 02:39
d3-MeFOSAA	N/A	N/A	8.30	8.31	16		12/21/2022 02:39
13C8 PFOSA	N/A	N/A	10.60	10.62	11		12/21/2022 02:39
d5-EtFOSAA	N/A	N/A	8.60	8.61	14		12/21/2022 02:39
13C7 PFUdA	N/A	N/A	9.14	9.16	23		12/21/2022 02:39
13C2 PFDoA	N/A	N/A	9.83	9.85	10		12/21/2022 02:39
13C2 PFTeDA	N/A	N/A	11.18	11.21	10		12/21/2022 02:39
13C3 HFPO-DA	N/A	N/A	6.02	6.03	26		12/21/2022 02:39
d7-N-MeFOSE	N/A	N/A	12.53	12.54	53		12/21/2022 02:39
d9-N-EtFOSE	N/A	N/A	12.99	13.00	28		12/21/2022 02:39
d3-N-MeFOSA	N/A	N/A	12.73	12.73	68		12/21/2022 02:39
d5-N-EtFOSA	N/A	N/A	13.14	13.15	69		12/21/2022 02:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB12-24-0
 Lab Sample ID 10635405010
 Lab File ID B221220C_019
 Matrix Solid
 Collected 11/28/2022 17:10
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.12g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 02:39
PFPeA	N/A	N/A	5.06	5.06	ND		12/21/2022 02:39
HFPO-DA	0.52	0.34	6.04	6.04	ND		12/21/2022 02:39
PFBS	0.51	0.40	6.01	6.03	ND		12/21/2022 02:39
PFHxA	0.00	0.07	0.00	5.76	ND		12/21/2022 02:39
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 02:39
PFPeS	0.00	0.43	0.00	6.83	ND		12/21/2022 02:39
PFHpA	0.00	0.31	0.00	6.46	ND		12/21/2022 02:39
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 02:39
PFHxS	0.54	0.37	7.54	7.58	ND		12/21/2022 02:39
PFOA	0.62	0.37	7.13	7.11	ND		12/21/2022 02:39
6:2 FTS	0.00	0.93	0.00	6.76	ND		12/21/2022 02:39
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 02:39
PFNA	0.36	0.18	7.77	7.79	ND		12/21/2022 02:39
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 02:39
PFOS	0.54	0.41	8.96	9.11	ND		12/21/2022 02:39
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 02:39
PFDA	0.20	0.16	8.46	8.53	ND		12/21/2022 02:39
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 02:39
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 02:39
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 02:39
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 02:39
PFUnDA	0.13	0.14	9.14	9.17	ND		12/21/2022 02:39
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 02:39
NEtFOSAA	0.78	0.64	8.62	8.62	ND		12/21/2022 02:39
PFDS	0.44	0.32	10.34	10.37	ND		12/21/2022 02:39
PFDOA	0.16	0.19	9.84	9.86	ND		12/21/2022 02:39
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 02:39
EtFOSE	0.00	0.00	13.03	13.04	ND		12/21/2022 02:39
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 02:39
PFTTrDA	0.15	0.17	10.52	10.54	ND		12/21/2022 02:39
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 02:39
PFTDA	0.29	0.25	11.18	11.21	ND		12/21/2022 02:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB13-24-0
 Lab Sample ID 10635405011
 Lab File ID B221220C_020
 Matrix Solid
 Collected 11/28/2022 15:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.078 J	0.100	0.028	0.028	1	375-22-4		12/21/2022 02:59
PFPeA	ND	0.100	0.028	0.028	1	2706-90-3		12/21/2022 02:59
HFPO-DA	ND	0.100	0.028	0.028	1	13252-13-6		12/21/2022 02:59
PFBS	ND	0.088	0.026	0.026	1	375-73-5		12/21/2022 02:59
PFHxA	0.042 J	0.100	0.027	0.027	1	307-24-4		12/21/2022 02:59
4:2 FTS	ND	0.093	0.023	0.023	1	757124-72-4		12/21/2022 02:59
PFPeS	ND	0.094	0.024	0.024	1	2706-91-4		12/21/2022 02:59
PFHpA	ND	0.100	0.035	0.035	1	375-85-9		12/21/2022 02:59
DONA	ND	0.094	0.036	0.036	1	919005-14-4		12/21/2022 02:59
PFHxS	0.097 I	0.091	0.022	0.022	1	355-46-4		12/21/2022 02:59
PFOA	0.092 J	0.100	0.031	0.031	1	335-67-1		12/21/2022 02:59
6:2 FTS	ND	0.095	0.041	0.041	1	27619-97-2		12/21/2022 02:59
PFHpS	ND	0.095	0.028	0.028	1	375-92-8		12/21/2022 02:59
PFNA	0.045 J	0.100	0.031	0.031	1	375-95-1		12/21/2022 02:59
PFOSAm	ND	0.100	0.029	0.029	1	754-91-6		12/21/2022 02:59
PFOS	0.56	0.092	0.030	0.030	1	1763-23-1		12/21/2022 02:59
MeFOSA	ND	0.100	0.027	0.027	1	31506-32-8		12/21/2022 02:59
PFDA	ND	0.100	0.023	0.023	1	335-76-2		12/21/2022 02:59
EtFOSAm	ND	0.100	0.026	0.026	1	4151-50-2		12/21/2022 02:59
8:2 FTS	ND	0.096	0.044	0.044	1	39108-34-4		12/21/2022 02:59
9-CI-PF3ON	ND	0.093	0.025	0.025	1	756426-58-1		12/21/2022 02:59
PFNS	ND	0.096	0.035	0.035	1	68259-12-1		12/21/2022 02:59
PFUnDA	ND	0.100	0.030	0.030	1	2058-94-8		12/21/2022 02:59
NMeFOSAA	ND	0.100	0.028	0.028	1	2355-31-9		12/21/2022 02:59
NEtFOSAA	ND	0.100	0.040	0.040	1	2991-50-6		12/21/2022 02:59
PFDS	ND	0.096	0.028	0.028	1	335-77-3		12/21/2022 02:59
PFDOA	ND	0.100	0.033	0.033	1	307-55-1		12/21/2022 02:59
MeFOSE	ND	0.100	0.030	0.030	1	24448-09-7		12/21/2022 02:59
EtFOSE	ND	0.100	0.032	0.032	1	1691-99-2		12/21/2022 02:59
11-CI-PF3OUdS	ND	0.094	0.025	0.025	1	763051-92-9		12/21/2022 02:59
PFTTrDA	ND	0.100	0.032	0.032	1	72629-94-8		12/21/2022 02:59
PFDoS	ND	0.097	0.026	0.026	1	79780-39-5		12/21/2022 02:59
PFTDA	ND	0.100	0.034	0.034	1	376-06-7		12/21/2022 02:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB13-24-0
 Lab Sample ID 10635405011
 Lab File ID B221220C_020
 Matrix Solid
 Collected 11/28/2022 15:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	1.00	0.76	76	25-150		12/21/2022 02:59
13C5 PFPeA	1.00	0.73	73	25-150		12/21/2022 02:59
13C3 PFBS	0.93	0.68	73	25-150		12/21/2022 02:59
13C2 4:2FTS	0.93	1.6	173	25-150	R	12/21/2022 02:59
13C5 PFHxA	1.00	0.74	74	25-150		12/21/2022 02:59
13C4 PFHpA	1.00	0.69	69	25-150		12/21/2022 02:59
13C3 PFHxS	0.95	0.69	73	25-150		12/21/2022 02:59
13C2 6:2FTS	0.95	1.5	160	25-150	R	12/21/2022 02:59
13C8 PFOA	1.00	0.70	70	25-150		12/21/2022 02:59
13C9 PFNA	1.00	0.76	76	25-150		12/21/2022 02:59
13C8 PFOS	0.96	0.67	70	25-150		12/21/2022 02:59
13C2 8:2FTS	0.96	2.2	229	25-150	R	12/21/2022 02:59
13C6 PFDA	1.00	0.84	84	25-150		12/21/2022 02:59
d3-MeFOSAA	1.00	0.81	82	25-150		12/21/2022 02:59
13C8 PFOSA	1.00	0.75	75	25-150		12/21/2022 02:59
d5-EtFOSAA	1.00	1.0	103	25-150		12/21/2022 02:59
13C7 PFUdA	1.00	0.70	70	25-150		12/21/2022 02:59
13C2 PFDoA	1.00	0.75	75	25-150		12/21/2022 02:59
13C2 PFTeDA	1.00	0.82	82	25-150		12/21/2022 02:59
13C3 HFPO-DA	1.00	0.65	65	25-150		12/21/2022 02:59
d7-N-MeFOSE	1.00	0.50	50	10-150		12/21/2022 02:59
d9-N-EtFOSE	1.00	0.52	52	10-150		12/21/2022 02:59
d3-N-MeFOSA	1.00	0.45	45	10-150		12/21/2022 02:59
d5-N-EtFOSA	1.00	0.41	41	10-150		12/21/2022 02:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB13-24-0
 Lab Sample ID 10635405011
 Lab File ID B221220C_020
 Matrix Solid
 Collected 11/28/2022 15:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	22		12/21/2022 02:59
13C5 PFPeA	N/A	N/A	5.04	5.06	22		12/21/2022 02:59
13C3 PFBS	N/A	N/A	6.01	6.05	10		12/21/2022 02:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	46	R	12/21/2022 02:59
13C5 PFHxA	N/A	N/A	5.74	5.78	13		12/21/2022 02:59
13C4 PFHpA	N/A	N/A	6.42	6.45	19		12/21/2022 02:59
13C3 PFHxS	N/A	N/A	7.53	7.58	13		12/21/2022 02:59
13C2 6:2FTS	N/A	N/A	6.75	6.77	63	R	12/21/2022 02:59
13C8 PFOA	N/A	N/A	7.10	7.13	25		12/21/2022 02:59
13C9 PFNA	N/A	N/A	7.76	7.78	18		12/21/2022 02:59
13C8 PFOS	N/A	N/A	8.95	8.98	90		12/21/2022 02:59
13C2 8:2FTS	N/A	N/A	8.05	8.07	65	R	12/21/2022 02:59
13C6 PFDA	N/A	N/A	8.44	8.46	14		12/21/2022 02:59
d3-MeFOSAA	N/A	N/A	8.30	8.31	64		12/21/2022 02:59
13C8 PFOSA	N/A	N/A	10.59	10.62	10		12/21/2022 02:59
d5-EtFOSAA	N/A	N/A	8.59	8.61	90		12/21/2022 02:59
13C7 PFUdA	N/A	N/A	9.13	9.16	17		12/21/2022 02:59
13C2 PFDoA	N/A	N/A	9.82	9.85	76		12/21/2022 02:59
13C2 PFTeDA	N/A	N/A	11.17	11.21	12		12/21/2022 02:59
13C3 HFPO-DA	N/A	N/A	6.02	6.03	17		12/21/2022 02:59
d7-N-MeFOSE	N/A	N/A	12.51	12.54	60		12/21/2022 02:59
d9-N-EtFOSE	N/A	N/A	12.98	13.00	21		12/21/2022 02:59
d3-N-MeFOSA	N/A	N/A	12.71	12.73	21		12/21/2022 02:59
d5-N-EtFOSA	N/A	N/A	13.13	13.15	45		12/21/2022 02:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB13-24-0
 Lab Sample ID 10635405011
 Lab File ID B221220C_020
 Matrix Solid
 Collected 11/28/2022 15:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	78	J	12/21/2022 02:59
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 02:59
HFPO-DA	2.20	0.34	6.03	6.04	ND		12/21/2022 02:59
PFBS	0.53	0.40	6.02	6.03	ND		12/21/2022 02:59
PFHxA	0.06	0.07	5.75	5.76	27	J	12/21/2022 02:59
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 02:59
PFPeS	0.49	0.43	6.80	6.83	ND		12/21/2022 02:59
PFHpA	0.31	0.31	6.43	6.46	ND		12/21/2022 02:59
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 02:59
PFHxS	0.76	0.37	7.53	7.58	36	I	12/21/2022 02:59
PFOA	0.37	0.37	7.10	7.11	13	J	12/21/2022 02:59
6:2 FTS	0.91	0.93	6.76	6.76	ND		12/21/2022 02:59
PFHpS	0.73	0.48	8.26	8.27	ND		12/21/2022 02:59
PFNA	0.12	0.18	7.77	7.79	12	J	12/21/2022 02:59
PFOSAm	N/A	N/A	10.59	10.71	ND		12/21/2022 02:59
PFOS	0.37	0.41	8.96	9.11	31		12/21/2022 02:59
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 02:59
PFDA	0.22	0.16	8.45	8.53	ND		12/21/2022 02:59
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 02:59
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 02:59
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 02:59
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 02:59
PFUnDA	0.12	0.14	9.14	9.17	ND		12/21/2022 02:59
NMeFOSAA	0.93	0.77	8.30	8.32	ND		12/21/2022 02:59
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 02:59
PFDS	0.42	0.32	10.33	10.37	ND		12/21/2022 02:59
PFDOA	0.17	0.19	9.82	9.86	ND		12/21/2022 02:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 02:59
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 02:59
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 02:59
PFTTrDA	0.23	0.17	10.51	10.54	ND		12/21/2022 02:59
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 02:59
PFTDA	0.26	0.25	11.18	11.21	ND		12/21/2022 02:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB14-24-0
 Lab Sample ID 10635405012
 Lab File ID B221220C_021
 Matrix Solid
 Collected 11/28/2022 15:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.11	0.096	0.027	0.027	1	375-22-4		12/21/2022 03:19
PFPeA	ND	0.096	0.027	0.027	1	2706-90-3		12/21/2022 03:19
HFPO-DA	ND	0.096	0.027	0.027	1	13252-13-6		12/21/2022 03:19
PFBS	ND	0.085	0.025	0.025	1	375-73-5		12/21/2022 03:19
PFHxA	ND	0.096	0.026	0.026	1	307-24-4		12/21/2022 03:19
4:2 FTS	ND	0.090	0.022	0.022	1	757124-72-4		12/21/2022 03:19
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/21/2022 03:19
PFHpA	ND	0.096	0.033	0.033	1	375-85-9		12/21/2022 03:19
DONA	ND	0.091	0.035	0.035	1	919005-14-4		12/21/2022 03:19
PFHxS	0.025 J	0.087	0.021	0.021	1	355-46-4		12/21/2022 03:19
PFOA	0.053 J	0.096	0.030	0.030	1	335-67-1		12/21/2022 03:19
6:2 FTS	ND	0.091	0.040	0.040	1	27619-97-2		12/21/2022 03:19
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/21/2022 03:19
PFNA	ND	0.096	0.030	0.030	1	375-95-1		12/21/2022 03:19
PFOSAm	ND	0.096	0.028	0.028	1	754-91-6		12/21/2022 03:19
PFOS	0.23	0.089	0.028	0.028	1	1763-23-1		12/21/2022 03:19
MeFOSA	ND	0.096	0.026	0.026	1	31506-32-8		12/21/2022 03:19
PFDA	ND	0.096	0.022	0.022	1	335-76-2		12/21/2022 03:19
EtFOSAm	ND	0.096	0.025	0.025	1	4151-50-2		12/21/2022 03:19
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/21/2022 03:19
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/21/2022 03:19
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/21/2022 03:19
PFUnDA	ND	0.096	0.029	0.029	1	2058-94-8		12/21/2022 03:19
NMeFOSAA	ND	0.096	0.027	0.027	1	2355-31-9		12/21/2022 03:19
NEtFOSAA	ND	0.096	0.039	0.039	1	2991-50-6		12/21/2022 03:19
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/21/2022 03:19
PFDOA	ND	0.096	0.032	0.032	1	307-55-1		12/21/2022 03:19
MeFOSE	ND	0.096	0.029	0.029	1	24448-09-7		12/21/2022 03:19
EtFOSE	ND	0.096	0.031	0.031	1	1691-99-2		12/21/2022 03:19
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/21/2022 03:19
PFTTrDA	ND	0.096	0.031	0.031	1	72629-94-8		12/21/2022 03:19
PFDoS	ND	0.093	0.025	0.025	1	79780-39-5		12/21/2022 03:19
PFTDA	ND	0.096	0.033	0.033	1	376-06-7		12/21/2022 03:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB14-24-0
 Lab Sample ID 10635405012
 Lab File ID B221220C_021
 Matrix Solid
 Collected 11/28/2022 15:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.96	0.71	74	25-150		12/21/2022 03:19
13C5 PFPeA	0.96	0.71	74	25-150		12/21/2022 03:19
13C3 PFBS	0.89	0.71	80	25-150		12/21/2022 03:19
13C2 4:2FTS	0.90	0.79	88	25-150		12/21/2022 03:19
13C5 PFHxA	0.96	0.71	74	25-150		12/21/2022 03:19
13C4 PFHpA	0.96	0.73	77	25-150		12/21/2022 03:19
13C3 PFHxS	0.91	0.73	80	25-150		12/21/2022 03:19
13C2 6:2FTS	0.91	0.72	79	25-150		12/21/2022 03:19
13C8 PFOA	0.96	0.71	74	25-150		12/21/2022 03:19
13C9 PFNA	0.96	0.76	79	25-150		12/21/2022 03:19
13C8 PFOS	0.92	0.74	80	25-150		12/21/2022 03:19
13C2 8:2FTS	0.92	0.97	106	25-150		12/21/2022 03:19
13C6 PFDA	0.96	0.92	95	25-150		12/21/2022 03:19
d3-MeFOSAA	0.96	0.76	79	25-150		12/21/2022 03:19
13C8 PFOSA	0.96	0.65	68	25-150		12/21/2022 03:19
d5-EtFOSAA	0.96	0.84	88	25-150		12/21/2022 03:19
13C7 PFUdA	0.96	0.76	79	25-150		12/21/2022 03:19
13C2 PFDoA	0.96	0.81	84	25-150		12/21/2022 03:19
13C2 PFTeDA	0.96	0.86	89	25-150		12/21/2022 03:19
13C3 HFPO-DA	0.96	0.71	74	25-150		12/21/2022 03:19
d7-N-MeFOSE	0.96	0.62	64	10-150		12/21/2022 03:19
d9-N-EtFOSE	0.96	0.72	75	10-150		12/21/2022 03:19
d3-N-MeFOSA	0.96	0.60	63	10-150		12/21/2022 03:19
d5-N-EtFOSA	0.96	0.60	63	10-150		12/21/2022 03:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB14-24-0
 Lab Sample ID 10635405012
 Lab File ID B221220C_021
 Matrix Solid
 Collected 11/28/2022 15:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	20		12/21/2022 03:19
13C5 PFPeA	N/A	N/A	5.04	5.06	22		12/21/2022 03:19
13C3 PFBS	N/A	N/A	6.01	6.05	19		12/21/2022 03:19
13C2 4:2FTS	N/A	N/A	5.45	5.50	63		12/21/2022 03:19
13C5 PFHxA	N/A	N/A	5.74	5.78	18		12/21/2022 03:19
13C4 PFHpA	N/A	N/A	6.42	6.45	20		12/21/2022 03:19
13C3 PFHxS	N/A	N/A	7.53	7.58	28		12/21/2022 03:19
13C2 6:2FTS	N/A	N/A	6.75	6.77	99		12/21/2022 03:19
13C8 PFOA	N/A	N/A	7.10	7.13	28		12/21/2022 03:19
13C9 PFNA	N/A	N/A	7.77	7.78	21		12/21/2022 03:19
13C8 PFOS	N/A	N/A	8.96	8.98	20		12/21/2022 03:19
13C2 8:2FTS	N/A	N/A	8.06	8.07	13		12/21/2022 03:19
13C6 PFDA	N/A	N/A	8.45	8.46	10		12/21/2022 03:19
d3-MeFOSAA	N/A	N/A	8.30	8.31	27		12/21/2022 03:19
13C8 PFOSA	N/A	N/A	10.59	10.62	12		12/21/2022 03:19
d5-EtFOSAA	N/A	N/A	8.60	8.61	11		12/21/2022 03:19
13C7 PFUdA	N/A	N/A	9.14	9.16	22		12/21/2022 03:19
13C2 PFDoA	N/A	N/A	9.83	9.85	10		12/21/2022 03:19
13C2 PFTeDA	N/A	N/A	11.18	11.21	11		12/21/2022 03:19
13C3 HFPO-DA	N/A	N/A	6.02	6.03	17		12/21/2022 03:19
d7-N-MeFOSE	N/A	N/A	12.52	12.54	43		12/21/2022 03:19
d9-N-EtFOSE	N/A	N/A	12.99	13.00	25		12/21/2022 03:19
d3-N-MeFOSA	N/A	N/A	12.72	12.73	82		12/21/2022 03:19
d5-N-EtFOSA	N/A	N/A	13.14	13.15	72		12/21/2022 03:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB14-24-0
 Lab Sample ID 10635405012
 Lab File ID B221220C_021
 Matrix Solid
 Collected 11/28/2022 15:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.22g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	15		12/21/2022 03:19
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 03:19
HFPO-DA	0.26	0.34	6.03	6.04	ND		12/21/2022 03:19
PFBS	0.53	0.40	6.02	6.03	ND		12/21/2022 03:19
PFHxA	0.09	0.07	5.75	5.76	ND		12/21/2022 03:19
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 03:19
PFPeS	0.61	0.43	6.80	6.83	ND		12/21/2022 03:19
PFHpA	0.26	0.31	6.43	6.46	ND		12/21/2022 03:19
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 03:19
PFHxS	0.43	0.37	7.54	7.58	38	J	12/21/2022 03:19
PFOA	0.33	0.37	7.10	7.11	11	J	12/21/2022 03:19
6:2 FTS	0.71	0.93	6.75	6.76	ND		12/21/2022 03:19
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 03:19
PFNA	0.16	0.18	7.78	7.79	ND		12/21/2022 03:19
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 03:19
PFOS	0.43	0.41	8.97	9.11	44		12/21/2022 03:19
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 03:19
PFDA	0.17	0.16	8.46	8.53	ND		12/21/2022 03:19
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 03:19
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 03:19
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 03:19
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 03:19
PFUnDA	0.13	0.14	9.14	9.17	ND		12/21/2022 03:19
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 03:19
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 03:19
PFDS	0.00	0.32	0.00	10.37	ND		12/21/2022 03:19
PFDOA	0.11	0.19	9.83	9.86	ND		12/21/2022 03:19
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 03:19
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 03:19
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 03:19
PFTTrDA	0.12	0.17	10.52	10.54	ND		12/21/2022 03:19
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 03:19
PFTDA	0.23	0.25	11.18	11.21	ND		12/21/2022 03:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB15-24-0
 Lab Sample ID 10635405013
 Lab File ID B221220C_022
 Matrix Solid
 Collected 11/28/2022 15:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.053 J	0.094	0.027	0.027	1	375-22-4		12/21/2022 03:39
PFPeA	0.044 J	0.094	0.027	0.027	1	2706-90-3		12/21/2022 03:39
HFPO-DA	ND	0.094	0.026	0.026	1	13252-13-6		12/21/2022 03:39
PFBS	ND	0.083	0.025	0.025	1	375-73-5		12/21/2022 03:39
PFHxA	0.081 J	0.094	0.026	0.026	1	307-24-4		12/21/2022 03:39
4:2 FTS	ND	0.088	0.022	0.022	1	757124-72-4		12/21/2022 03:39
PFPeS	ND	0.088	0.023	0.023	1	2706-91-4		12/21/2022 03:39
PFHpA	ND	0.094	0.033	0.033	1	375-85-9		12/21/2022 03:39
DONA	ND	0.089	0.034	0.034	1	919005-14-4		12/21/2022 03:39
PFHxS	0.51	0.086	0.021	0.021	1	355-46-4		12/21/2022 03:39
PFOA	0.064 J	0.094	0.029	0.029	1	335-67-1		12/21/2022 03:39
6:2 FTS	ND	0.089	0.039	0.039	1	27619-97-2		12/21/2022 03:39
PFHpS	0.095	0.089	0.026	0.026	1	375-92-8		12/21/2022 03:39
PFNA	ND	0.094	0.029	0.029	1	375-95-1		12/21/2022 03:39
PFOSAm	0.089 J	0.094	0.028	0.028	1	754-91-6		12/21/2022 03:39
PFOS	25 D	0.87	0.28	0.28	10	1763-23-1		12/21/2022 14:00
MeFOSA	ND	0.094	0.026	0.026	1	31506-32-8		12/21/2022 03:39
PFDA	ND	0.094	0.021	0.021	1	335-76-2		12/21/2022 03:39
EtFOSAm	ND	0.094	0.024	0.024	1	4151-50-2		12/21/2022 03:39
8:2 FTS	ND	0.090	0.041	0.041	1	39108-34-4		12/21/2022 03:39
9-CI-PF3ON	ND	0.088	0.024	0.024	1	756426-58-1		12/21/2022 03:39
PFNS	0.074 J	0.090	0.033	0.033	1	68259-12-1		12/21/2022 03:39
PFUnDA	ND	0.094	0.028	0.028	1	2058-94-8		12/21/2022 03:39
NMeFOSAA	ND	0.094	0.026	0.026	1	2355-31-9		12/21/2022 03:39
NEtFOSAA	ND	0.094	0.038	0.038	1	2991-50-6		12/21/2022 03:39
PFDS	0.068 J	0.091	0.027	0.027	1	335-77-3		12/21/2022 03:39
PFDOA	ND	0.094	0.031	0.031	1	307-55-1		12/21/2022 03:39
MeFOSE	ND	0.094	0.028	0.028	1	24448-09-7		12/21/2022 03:39
EtFOSE	ND	0.094	0.030	0.030	1	1691-99-2		12/21/2022 03:39
11-CI-PF3OUdS	ND	0.089	0.024	0.024	1	763051-92-9		12/21/2022 03:39
PFTTrDA	ND	0.094	0.030	0.030	1	72629-94-8		12/21/2022 03:39
PFDoS	0.059 J	0.091	0.025	0.025	1	79780-39-5		12/21/2022 03:39
PFTDA	ND	0.094	0.032	0.032	1	376-06-7		12/21/2022 03:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB15-24-0
 Lab Sample ID 10635405013
 Lab File ID B221220C_022
 Matrix Solid
 Collected 11/28/2022 15:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.94	0.67	71	25-150		12/21/2022 03:39
13C5 PFPeA	0.94	0.68	73	25-150		12/21/2022 03:39
13C3 PFBS	0.87	0.64	73	25-150		12/21/2022 03:39
13C2 4:2FTS	0.88	0.76	87	25-150		12/21/2022 03:39
13C5 PFHxA	0.94	0.67	71	25-150		12/21/2022 03:39
13C4 PFHpA	0.94	0.71	75	25-150		12/21/2022 03:39
13C3 PFHxS	0.89	0.67	75	25-150		12/21/2022 03:39
13C2 6:2FTS	0.89	0.64	71	25-150		12/21/2022 03:39
13C8 PFOA	0.94	0.68	72	25-150		12/21/2022 03:39
13C9 PFNA	0.94	0.73	78	25-150		12/21/2022 03:39
13C8 PFOS	0.90	0.84	93	25-150	D	12/21/2022 14:00
13C2 8:2FTS	0.90	0.85	94	25-150		12/21/2022 03:39
13C6 PFDA	0.94	0.87	92	25-150		12/21/2022 03:39
d3-MeFOSAA	0.94	0.63	67	25-150		12/21/2022 03:39
13C8 PFOSA	0.94	0.50	53	25-150		12/21/2022 03:39
d5-EtFOSAA	0.94	0.76	81	25-150		12/21/2022 03:39
13C7 PFUdA	0.94	0.73	78	25-150		12/21/2022 03:39
13C2 PFDoA	0.94	0.73	77	25-150		12/21/2022 03:39
13C2 PFTeDA	0.94	0.72	77	25-150		12/21/2022 03:39
13C3 HFPO-DA	0.94	0.69	74	25-150		12/21/2022 03:39
d7-N-MeFOSE	0.94	0.30	32	10-150		12/21/2022 03:39
d9-N-EtFOSE	0.94	0.34	36	10-150		12/21/2022 03:39
d3-N-MeFOSA	0.94	0.040	4	10-150	R	12/21/2022 03:39
d5-N-EtFOSA	0.94	0.043	5	10-150	R	12/21/2022 03:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB15-24-0
 Lab Sample ID 10635405013
 Lab File ID B221220C_022
 Matrix Solid
 Collected 11/28/2022 15:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	25		12/21/2022 03:39
13C5 PFPeA	N/A	N/A	5.04	5.06	23		12/21/2022 03:39
13C3 PFBS	N/A	N/A	6.00	6.05	18		12/21/2022 03:39
13C2 4:2FTS	N/A	N/A	5.45	5.50	64		12/21/2022 03:39
13C5 PFHxA	N/A	N/A	5.74	5.78	16		12/21/2022 03:39
13C4 PFHpA	N/A	N/A	6.42	6.45	21		12/21/2022 03:39
13C3 PFHxS	N/A	N/A	7.53	7.58	31		12/21/2022 03:39
13C2 6:2FTS	N/A	N/A	6.74	6.77	95		12/21/2022 03:39
13C8 PFOA	N/A	N/A	7.09	7.13	24		12/21/2022 03:39
13C9 PFNA	N/A	N/A	7.76	7.78	18		12/21/2022 03:39
13C8 PFOS	N/A	N/A	8.96	8.98	96	D	12/21/2022 14:00
13C2 8:2FTS	N/A	N/A	8.06	8.07	96		12/21/2022 03:39
13C6 PFDA	N/A	N/A	8.45	8.46	11		12/21/2022 03:39
d3-MeFOSAA	N/A	N/A	8.30	8.31	16		12/21/2022 03:39
13C8 PFOSA	N/A	N/A	10.59	10.62	11		12/21/2022 03:39
d5-EtFOSAA	N/A	N/A	8.60	8.61	14		12/21/2022 03:39
13C7 PFUdA	N/A	N/A	9.14	9.16	30		12/21/2022 03:39
13C2 PFDoA	N/A	N/A	9.83	9.85	91		12/21/2022 03:39
13C2 PFTeDA	N/A	N/A	11.18	11.21	12		12/21/2022 03:39
13C3 HFPO-DA	N/A	N/A	6.01	6.03	18		12/21/2022 03:39
d7-N-MeFOSE	N/A	N/A	12.51	12.54	46		12/21/2022 03:39
d9-N-EtFOSE	N/A	N/A	12.98	13.00	19		12/21/2022 03:39
d3-N-MeFOSA	N/A	N/A	12.72	12.73	18	R	12/21/2022 03:39
d5-N-EtFOSA	N/A	N/A	13.13	13.15	25	R	12/21/2022 03:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB15-24-0
 Lab Sample ID 10635405013
 Lab File ID B221220C_022
 Matrix Solid
 Collected 11/28/2022 15:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	12	J	12/21/2022 03:39
PFPeA	N/A	N/A	5.05	5.06	13	J	12/21/2022 03:39
HFPO-DA	0.17	0.34	6.03	6.04	ND		12/21/2022 03:39
PFBS	0.54	0.40	6.01	6.03	ND		12/21/2022 03:39
PFHxA	0.08	0.07	5.74	5.76	14	J	12/21/2022 03:39
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 03:39
PFPeS	0.57	0.43	6.80	6.83	ND		12/21/2022 03:39
PFHpA	0.28	0.31	6.42	6.46	ND		12/21/2022 03:39
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 03:39
PFHxS	0.36	0.37	7.53	7.58	16		12/21/2022 03:39
PFOA	0.31	0.37	7.10	7.11	97	J	12/21/2022 03:39
6:2 FTS	0.00	0.93	0.00	6.76	ND		12/21/2022 03:39
PFHpS	0.39	0.48	8.26	8.27	29		12/21/2022 03:39
PFNA	0.11	0.18	7.77	7.79	ND		12/21/2022 03:39
PFOSAm	N/A	N/A	10.60	10.71	18	J	12/21/2022 03:39
PFOS	0.40	0.36	8.97	8.99	97	D	12/21/2022 14:00
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 03:39
PFDA	0.15	0.16	8.46	8.53	ND		12/21/2022 03:39
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 03:39
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 03:39
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 03:39
PFNS	0.47	0.44	9.66	9.68	91	J	12/21/2022 03:39
PFUnDA	0.15	0.14	9.15	9.17	ND		12/21/2022 03:39
NMeFOSAA	1.80	0.77	8.31	8.32	ND		12/21/2022 03:39
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 03:39
PFDS	0.38	0.32	10.34	10.37	11	J	12/21/2022 03:39
PFDOA	0.19	0.19	9.84	9.86	ND		12/21/2022 03:39
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 03:39
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 03:39
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 03:39
PFTTrDA	0.16	0.17	10.52	10.54	ND		12/21/2022 03:39
PFDoS	0.48	0.46	11.60	11.64	21	J	12/21/2022 03:39
PFTDA	0.23	0.25	11.18	11.21	ND		12/21/2022 03:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB16-24-0
 Lab Sample ID 10635405014
 Lab File ID B221220C_023
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.30g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.083 J	0.094	0.027	0.027	1	375-22-4		12/21/2022 03:59
PFPeA	ND	0.094	0.027	0.027	1	2706-90-3		12/21/2022 03:59
HFPO-DA	ND	0.094	0.026	0.026	1	13252-13-6		12/21/2022 03:59
PFBS	ND	0.083	0.025	0.025	1	375-73-5		12/21/2022 03:59
PFHxA	0.038 IJ	0.094	0.026	0.026	1	307-24-4		12/21/2022 03:59
4:2 FTS	ND	0.088	0.022	0.022	1	757124-72-4		12/21/2022 03:59
PFPeS	ND	0.089	0.023	0.023	1	2706-91-4		12/21/2022 03:59
PFHpA	ND	0.094	0.033	0.033	1	375-85-9		12/21/2022 03:59
DONA	ND	0.089	0.034	0.034	1	919005-14-4		12/21/2022 03:59
PFHxS	0.13	0.086	0.021	0.021	1	355-46-4		12/21/2022 03:59
PFOA	0.080 J	0.094	0.029	0.029	1	335-67-1		12/21/2022 03:59
6:2 FTS	ND	0.090	0.039	0.039	1	27619-97-2		12/21/2022 03:59
PFHpS	ND	0.090	0.026	0.026	1	375-92-8		12/21/2022 03:59
PFNA	ND	0.094	0.029	0.029	1	375-95-1		12/21/2022 03:59
PFOSAm	ND	0.094	0.028	0.028	1	754-91-6		12/21/2022 03:59
PFOS	1.2	0.087	0.028	0.028	1	1763-23-1		12/21/2022 03:59
MeFOSA	ND	0.094	0.026	0.026	1	31506-32-8		12/21/2022 03:59
PFDA	ND	0.094	0.021	0.021	1	335-76-2		12/21/2022 03:59
EtFOSAm	ND	0.094	0.024	0.024	1	4151-50-2		12/21/2022 03:59
8:2 FTS	ND	0.090	0.041	0.041	1	39108-34-4		12/21/2022 03:59
9-CI-PF3ON	ND	0.088	0.024	0.024	1	756426-58-1		12/21/2022 03:59
PFNS	ND	0.090	0.033	0.033	1	68259-12-1		12/21/2022 03:59
PFUnDA	ND	0.094	0.028	0.028	1	2058-94-8		12/21/2022 03:59
NMeFOSAA	ND	0.094	0.026	0.026	1	2355-31-9		12/21/2022 03:59
NEtFOSAA	ND	0.094	0.038	0.038	1	2991-50-6		12/21/2022 03:59
PFDS	ND	0.091	0.027	0.027	1	335-77-3		12/21/2022 03:59
PFDOA	ND	0.094	0.031	0.031	1	307-55-1		12/21/2022 03:59
MeFOSE	ND	0.094	0.029	0.029	1	24448-09-7		12/21/2022 03:59
EtFOSE	ND	0.094	0.030	0.030	1	1691-99-2		12/21/2022 03:59
11-CI-PF3OUdS	ND	0.089	0.024	0.024	1	763051-92-9		12/21/2022 03:59
PFTTrDA	ND	0.094	0.030	0.030	1	72629-94-8		12/21/2022 03:59
PFDoS	ND	0.091	0.025	0.025	1	79780-39-5		12/21/2022 03:59
PFTDA	ND	0.094	0.032	0.032	1	376-06-7		12/21/2022 03:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB16-24-0
 Lab Sample ID 10635405014
 Lab File ID B221220C_023
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.30g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.94	0.75	80	25-150		12/21/2022 03:59
13C5 PFPeA	0.94	0.75	80	25-150		12/21/2022 03:59
13C3 PFBS	0.88	0.71	82	25-150		12/21/2022 03:59
13C2 4:2FTS	0.88	0.72	82	25-150		12/21/2022 03:59
13C5 PFHxA	0.94	0.84	89	25-150		12/21/2022 03:59
13C4 PFHpA	0.94	0.73	78	25-150		12/21/2022 03:59
13C3 PFHxS	0.89	0.68	76	25-150		12/21/2022 03:59
13C2 6:2FTS	0.89	0.64	72	25-150		12/21/2022 03:59
13C8 PFOA	0.94	0.79	84	25-150		12/21/2022 03:59
13C9 PFNA	0.94	0.75	80	25-150		12/21/2022 03:59
13C8 PFOS	0.90	0.72	80	25-150		12/21/2022 03:59
13C2 8:2FTS	0.90	0.79	88	25-150		12/21/2022 03:59
13C6 PFDA	0.94	0.84	90	25-150		12/21/2022 03:59
d3-MeFOSAA	0.94	0.70	74	25-150		12/21/2022 03:59
13C8 PFOSA	0.94	0.69	73	25-150		12/21/2022 03:59
d5-EtFOSAA	0.94	0.71	75	25-150		12/21/2022 03:59
13C7 PFUdA	0.94	0.75	80	25-150		12/21/2022 03:59
13C2 PFDoA	0.94	0.76	81	25-150		12/21/2022 03:59
13C2 PFTeDA	0.94	0.74	78	25-150		12/21/2022 03:59
13C3 HFPO-DA	0.94	0.78	82	25-150		12/21/2022 03:59
d7-N-MeFOSE	0.94	0.68	72	10-150		12/21/2022 03:59
d9-N-EtFOSE	0.94	0.74	79	10-150		12/21/2022 03:59
d3-N-MeFOSA	0.94	0.62	66	10-150		12/21/2022 03:59
d5-N-EtFOSA	0.94	0.68	73	10-150		12/21/2022 03:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB16-24-0
 Lab Sample ID 10635405014
 Lab File ID B221220C_023
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.30g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	21		12/21/2022 03:59
13C5 PFPeA	N/A	N/A	5.05	5.06	28		12/21/2022 03:59
13C3 PFBS	N/A	N/A	6.01	6.05	23		12/21/2022 03:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	57		12/21/2022 03:59
13C5 PFHxA	N/A	N/A	5.75	5.78	23		12/21/2022 03:59
13C4 PFHpA	N/A	N/A	6.43	6.45	18		12/21/2022 03:59
13C3 PFHxS	N/A	N/A	7.53	7.58	26		12/21/2022 03:59
13C2 6:2FTS	N/A	N/A	6.75	6.77	12		12/21/2022 03:59
13C8 PFOA	N/A	N/A	7.10	7.13	25		12/21/2022 03:59
13C9 PFNA	N/A	N/A	7.77	7.78	18		12/21/2022 03:59
13C8 PFOS	N/A	N/A	8.95	8.98	11		12/21/2022 03:59
13C2 8:2FTS	N/A	N/A	8.06	8.07	99		12/21/2022 03:59
13C6 PFDA	N/A	N/A	8.45	8.46	12		12/21/2022 03:59
d3-MeFOSAA	N/A	N/A	8.31	8.31	29		12/21/2022 03:59
13C8 PFOSA	N/A	N/A	10.59	10.62	10		12/21/2022 03:59
d5-EtFOSAA	N/A	N/A	8.60	8.61	14		12/21/2022 03:59
13C7 PFUdA	N/A	N/A	9.14	9.16	25		12/21/2022 03:59
13C2 PFDoA	N/A	N/A	9.83	9.85	86		12/21/2022 03:59
13C2 PFTeDA	N/A	N/A	11.17	11.21	10		12/21/2022 03:59
13C3 HFPO-DA	N/A	N/A	6.02	6.03	25		12/21/2022 03:59
d7-N-MeFOSE	N/A	N/A	12.51	12.54	45		12/21/2022 03:59
d9-N-EtFOSE	N/A	N/A	12.98	13.00	33		12/21/2022 03:59
d3-N-MeFOSA	N/A	N/A	12.71	12.73	57		12/21/2022 03:59
d5-N-EtFOSA	N/A	N/A	13.13	13.15	72		12/21/2022 03:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB16-24-0
 Lab Sample ID 10635405014
 Lab File ID B221220C_023
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.30g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	14	J	12/21/2022 03:59
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 03:59
HFPO-DA	0.26	0.34	6.04	6.04	ND		12/21/2022 03:59
PFBS	0.58	0.40	6.02	6.03	ND		12/21/2022 03:59
PFHxA	0.13	0.07	5.75	5.76	10	IJ	12/21/2022 03:59
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 03:59
PFPeS	0.36	0.43	6.80	6.83	ND		12/21/2022 03:59
PFHpA	0.26	0.31	6.43	6.46	ND		12/21/2022 03:59
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 03:59
PFHxS	0.41	0.37	7.54	7.58	12		12/21/2022 03:59
PFOA	0.42	0.37	7.10	7.11	12	J	12/21/2022 03:59
6:2 FTS	0.00	0.93	0.00	6.76	ND		12/21/2022 03:59
PFHpS	0.49	0.48	8.26	8.27	ND		12/21/2022 03:59
PFNA	0.15	0.18	7.78	7.79	ND		12/21/2022 03:59
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 03:59
PFOS	0.37	0.41	8.96	9.11	46		12/21/2022 03:59
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 03:59
PFDA	0.11	0.16	8.47	8.53	ND		12/21/2022 03:59
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 03:59
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 03:59
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 03:59
PFNS	0.46	0.44	9.65	9.68	ND		12/21/2022 03:59
PFUnDA	0.00	0.14	0.00	9.17	ND		12/21/2022 03:59
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 03:59
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 03:59
PFDS	0.33	0.32	10.33	10.37	ND		12/21/2022 03:59
PFDOA	0.09	0.19	9.83	9.86	ND		12/21/2022 03:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 03:59
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 03:59
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 03:59
PFTTrDA	0.15	0.17	10.50	10.54	ND		12/21/2022 03:59
PFDoS	0.73	0.46	11.59	11.64	ND		12/21/2022 03:59
PFTDA	0.21	0.25	11.18	11.21	ND		12/21/2022 03:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB17-24-0
 Lab Sample ID 10635405015
 Lab File ID B221220C_024
 Matrix Solid
 Collected 11/28/2022 14:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.40g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.093	0.026	0.026	1	375-22-4		12/21/2022 04:19
PFPeA	ND	0.093	0.026	0.026	1	2706-90-3		12/21/2022 04:19
HFPO-DA	ND	0.093	0.026	0.026	1	13252-13-6		12/21/2022 04:19
PFBS	ND	0.082	0.024	0.024	1	375-73-5		12/21/2022 04:19
PFHxA	ND	0.093	0.025	0.025	1	307-24-4		12/21/2022 04:19
4:2 FTS	ND	0.087	0.021	0.021	1	757124-72-4		12/21/2022 04:19
PFPeS	ND	0.087	0.022	0.022	1	2706-91-4		12/21/2022 04:19
PFHpA	ND	0.093	0.032	0.032	1	375-85-9		12/21/2022 04:19
DONA	ND	0.088	0.034	0.034	1	919005-14-4		12/21/2022 04:19
PFHxS	ND	0.084	0.020	0.020	1	355-46-4		12/21/2022 04:19
PFOA	ND	0.093	0.029	0.029	1	335-67-1		12/21/2022 04:19
6:2 FTS	ND	0.088	0.038	0.038	1	27619-97-2		12/21/2022 04:19
PFHpS	ND	0.088	0.026	0.026	1	375-92-8		12/21/2022 04:19
PFNA	ND	0.093	0.029	0.029	1	375-95-1		12/21/2022 04:19
PFOSAm	ND	0.093	0.027	0.027	1	754-91-6		12/21/2022 04:19
PFOS	0.096	0.086	0.027	0.027	1	1763-23-1		12/21/2022 04:19
MeFOSA	ND	0.093	0.025	0.025	1	31506-32-8		12/21/2022 04:19
PFDA	ND	0.093	0.021	0.021	1	335-76-2		12/21/2022 04:19
EtFOSAm	ND	0.093	0.024	0.024	1	4151-50-2		12/21/2022 04:19
8:2 FTS	ND	0.089	0.041	0.041	1	39108-34-4		12/21/2022 04:19
9-CI-PF3ON	ND	0.086	0.023	0.023	1	756426-58-1		12/21/2022 04:19
PFNS	ND	0.089	0.032	0.032	1	68259-12-1		12/21/2022 04:19
PFUnDA	ND	0.093	0.028	0.028	1	2058-94-8		12/21/2022 04:19
NMeFOSAA	ND	0.093	0.026	0.026	1	2355-31-9		12/21/2022 04:19
NEtFOSAA	ND	0.093	0.037	0.037	1	2991-50-6		12/21/2022 04:19
PFDS	ND	0.089	0.026	0.026	1	335-77-3		12/21/2022 04:19
PFDOA	ND	0.093	0.030	0.030	1	307-55-1		12/21/2022 04:19
MeFOSE	ND	0.093	0.028	0.028	1	24448-09-7		12/21/2022 04:19
EtFOSE	ND	0.093	0.030	0.030	1	1691-99-2		12/21/2022 04:19
11-CI-PF3OUdS	ND	0.087	0.023	0.023	1	763051-92-9		12/21/2022 04:19
PFTTrDA	ND	0.093	0.030	0.030	1	72629-94-8		12/21/2022 04:19
PFDoS	ND	0.090	0.024	0.024	1	79780-39-5		12/21/2022 04:19
PFTDA	ND	0.093	0.032	0.032	1	376-06-7		12/21/2022 04:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB17-24-0
 Lab Sample ID 10635405015
 Lab File ID B221220C_024
 Matrix Solid
 Collected 11/28/2022 14:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.40g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.93	0.71	76	25-150		12/21/2022 04:19
13C5 PFPeA	0.93	0.69	75	25-150		12/21/2022 04:19
13C3 PFBS	0.86	0.67	78	25-150		12/21/2022 04:19
13C2 4:2FTS	0.87	0.68	78	25-150		12/21/2022 04:19
13C5 PFHxA	0.93	0.73	79	25-150		12/21/2022 04:19
13C4 PFHpA	0.93	0.68	73	25-150		12/21/2022 04:19
13C3 PFHxS	0.88	0.66	75	25-150		12/21/2022 04:19
13C2 6:2FTS	0.88	0.73	83	25-150		12/21/2022 04:19
13C8 PFOA	0.93	0.68	74	25-150		12/21/2022 04:19
13C9 PFNA	0.93	0.72	78	25-150		12/21/2022 04:19
13C8 PFOS	0.89	0.69	78	25-150		12/21/2022 04:19
13C2 8:2FTS	0.89	0.74	84	25-150		12/21/2022 04:19
13C6 PFDA	0.93	0.79	86	25-150		12/21/2022 04:19
d3-MeFOSAA	0.93	0.64	69	25-150		12/21/2022 04:19
13C8 PFOSA	0.93	0.63	68	25-150		12/21/2022 04:19
d5-EtFOSAA	0.93	0.70	75	25-150		12/21/2022 04:19
13C7 PFUdA	0.93	0.72	78	25-150		12/21/2022 04:19
13C2 PFDoA	0.93	0.71	77	25-150		12/21/2022 04:19
13C2 PFTeDA	0.93	0.65	70	25-150		12/21/2022 04:19
13C3 HFPO-DA	0.93	0.70	76	25-150		12/21/2022 04:19
d7-N-MeFOSE	0.93	0.62	67	10-150		12/21/2022 04:19
d9-N-EtFOSE	0.93	0.62	67	10-150		12/21/2022 04:19
d3-N-MeFOSA	0.93	0.61	66	10-150		12/21/2022 04:19
d5-N-EtFOSA	0.93	0.62	67	10-150		12/21/2022 04:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB17-24-0
 Lab Sample ID 10635405015
 Lab File ID B221220C_024
 Matrix Solid
 Collected 11/28/2022 14:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.40g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	19		12/21/2022 04:19
13C5 PFPeA	N/A	N/A	5.04	5.06	24		12/21/2022 04:19
13C3 PFBS	N/A	N/A	6.01	6.05	26		12/21/2022 04:19
13C2 4:2FTS	N/A	N/A	5.46	5.50	76		12/21/2022 04:19
13C5 PFHxA	N/A	N/A	5.74	5.78	20		12/21/2022 04:19
13C4 PFHpA	N/A	N/A	6.43	6.45	16		12/21/2022 04:19
13C3 PFHxS	N/A	N/A	7.54	7.58	32		12/21/2022 04:19
13C2 6:2FTS	N/A	N/A	6.76	6.77	13		12/21/2022 04:19
13C8 PFOA	N/A	N/A	7.10	7.13	22		12/21/2022 04:19
13C9 PFNA	N/A	N/A	7.77	7.78	19		12/21/2022 04:19
13C8 PFOS	N/A	N/A	8.96	8.98	23		12/21/2022 04:19
13C2 8:2FTS	N/A	N/A	8.07	8.07	36		12/21/2022 04:19
13C6 PFDA	N/A	N/A	8.46	8.46	15		12/21/2022 04:19
d3-MeFOSAA	N/A	N/A	8.31	8.31	17		12/21/2022 04:19
13C8 PFOSA	N/A	N/A	10.60	10.62	13		12/21/2022 04:19
d5-EtFOSAA	N/A	N/A	8.61	8.61	12		12/21/2022 04:19
13C7 PFUdA	N/A	N/A	9.14	9.16	24		12/21/2022 04:19
13C2 PFDoA	N/A	N/A	9.83	9.85	11		12/21/2022 04:19
13C2 PFTeDA	N/A	N/A	11.18	11.21	13		12/21/2022 04:19
13C3 HFPO-DA	N/A	N/A	6.03	6.03	19		12/21/2022 04:19
d7-N-MeFOSE	N/A	N/A	12.52	12.54	44		12/21/2022 04:19
d9-N-EtFOSE	N/A	N/A	12.99	13.00	31		12/21/2022 04:19
d3-N-MeFOSA	N/A	N/A	12.72	12.73	70		12/21/2022 04:19
d5-N-EtFOSA	N/A	N/A	13.14	13.15	82		12/21/2022 04:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB17-24-0
 Lab Sample ID 10635405015
 Lab File ID B221220C_024
 Matrix Solid
 Collected 11/28/2022 14:40
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.40g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 04:19
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 04:19
HFPO-DA	0.29	0.34	6.04	6.04	ND		12/21/2022 04:19
PFBS	0.50	0.40	6.02	6.03	ND		12/21/2022 04:19
PFHxA	0.07	0.07	5.76	5.76	ND		12/21/2022 04:19
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 04:19
PFPeS	0.00	0.43	0.00	6.83	ND		12/21/2022 04:19
PFHpA	0.27	0.31	6.43	6.46	ND		12/21/2022 04:19
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 04:19
PFHxS	0.41	0.37	7.54	7.58	ND		12/21/2022 04:19
PFOA	0.59	0.37	7.10	7.11	ND		12/21/2022 04:19
6:2 FTS	1.00	0.93	6.75	6.76	ND		12/21/2022 04:19
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 04:19
PFNA	0.14	0.18	7.78	7.79	ND		12/21/2022 04:19
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 04:19
PFOS	0.46	0.41	8.97	9.11	53		12/21/2022 04:19
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 04:19
PFDA	0.00	0.16	0.00	8.53	ND		12/21/2022 04:19
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 04:19
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 04:19
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 04:19
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 04:19
PFUnDA	0.08	0.14	9.15	9.17	ND		12/21/2022 04:19
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 04:19
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 04:19
PFDS	0.00	0.32	0.00	10.37	ND		12/21/2022 04:19
PFDOA	0.06	0.19	9.83	9.86	ND		12/21/2022 04:19
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 04:19
EtFOSE	0.00	0.00	13.29	13.04	ND		12/21/2022 04:19
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 04:19
PFTTrDA	0.08	0.17	10.52	10.54	ND		12/21/2022 04:19
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 04:19
PFTDA	0.23	0.25	11.19	11.21	ND		12/21/2022 04:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB18-24-0
 Lab Sample ID 10635405016
 Lab File ID B221220C_025
 Matrix Solid
 Collected 11/28/2022 14:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.13g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.098	0.028	0.028	1	375-22-4		12/21/2022 04:39
PFPeA	ND	0.098	0.028	0.028	1	2706-90-3		12/21/2022 04:39
HFPO-DA	ND	0.098	0.027	0.027	1	13252-13-6		12/21/2022 04:39
PFBS	ND	0.086	0.026	0.026	1	375-73-5		12/21/2022 04:39
PFHxA	ND	0.098	0.027	0.027	1	307-24-4		12/21/2022 04:39
4:2 FTS	ND	0.091	0.023	0.023	1	757124-72-4		12/21/2022 04:39
PFPeS	ND	0.092	0.023	0.023	1	2706-91-4		12/21/2022 04:39
PFHpA	ND	0.098	0.034	0.034	1	375-85-9		12/21/2022 04:39
DONA	ND	0.092	0.035	0.035	1	919005-14-4		12/21/2022 04:39
PFHxS	ND	0.089	0.021	0.021	1	355-46-4		12/21/2022 04:39
PFOA	ND	0.098	0.030	0.030	1	335-67-1		12/21/2022 04:39
6:2 FTS	ND	0.093	0.040	0.040	1	27619-97-2		12/21/2022 04:39
PFHpS	ND	0.093	0.027	0.027	1	375-92-8		12/21/2022 04:39
PFNA	ND	0.098	0.030	0.030	1	375-95-1		12/21/2022 04:39
PFOSAm	ND	0.098	0.029	0.029	1	754-91-6		12/21/2022 04:39
PFOS	0.068 J	0.090	0.029	0.029	1	1763-23-1		12/21/2022 04:39
MeFOSA	ND	0.098	0.027	0.027	1	31506-32-8		12/21/2022 04:39
PFDA	ND	0.098	0.022	0.022	1	335-76-2		12/21/2022 04:39
EtFOSAm	ND	0.098	0.025	0.025	1	4151-50-2		12/21/2022 04:39
8:2 FTS	ND	0.094	0.043	0.043	1	39108-34-4		12/21/2022 04:39
9-CI-PF3ON	ND	0.091	0.024	0.024	1	756426-58-1		12/21/2022 04:39
PFNS	ND	0.094	0.034	0.034	1	68259-12-1		12/21/2022 04:39
PFUnDA	ND	0.098	0.029	0.029	1	2058-94-8		12/21/2022 04:39
NMeFOSAA	ND	0.098	0.027	0.027	1	2355-31-9		12/21/2022 04:39
NEtFOSAA	ND	0.098	0.039	0.039	1	2991-50-6		12/21/2022 04:39
PFDS	ND	0.094	0.028	0.028	1	335-77-3		12/21/2022 04:39
PFDOA	ND	0.098	0.032	0.032	1	307-55-1		12/21/2022 04:39
MeFOSE	ND	0.098	0.030	0.030	1	24448-09-7		12/21/2022 04:39
EtFOSE	ND	0.098	0.031	0.031	1	1691-99-2		12/21/2022 04:39
11-CI-PF3OUdS	ND	0.092	0.025	0.025	1	763051-92-9		12/21/2022 04:39
PFTTrDA	ND	0.098	0.031	0.031	1	72629-94-8		12/21/2022 04:39
PFDoS	ND	0.094	0.025	0.025	1	79780-39-5		12/21/2022 04:39
PFTDA	ND	0.098	0.033	0.033	1	376-06-7		12/21/2022 04:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB18-24-0
 Lab Sample ID 10635405016
 Lab File ID B221220C_025
 Matrix Solid
 Collected 11/28/2022 14:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.13g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.98	0.77	79	25-150		12/21/2022 04:39
13C5 PFPeA	0.98	0.77	79	25-150		12/21/2022 04:39
13C3 PFBS	0.91	0.73	80	25-150		12/21/2022 04:39
13C2 4:2FTS	0.91	0.69	75	25-150		12/21/2022 04:39
13C5 PFHxA	0.98	0.79	81	25-150		12/21/2022 04:39
13C4 PFHpA	0.98	0.79	81	25-150		12/21/2022 04:39
13C3 PFHxS	0.92	0.72	78	25-150		12/21/2022 04:39
13C2 6:2FTS	0.93	0.71	76	25-150		12/21/2022 04:39
13C8 PFOA	0.98	0.78	80	25-150		12/21/2022 04:39
13C9 PFNA	0.98	0.77	79	25-150		12/21/2022 04:39
13C8 PFOS	0.93	0.70	75	25-150		12/21/2022 04:39
13C2 8:2FTS	0.93	0.74	79	25-150		12/21/2022 04:39
13C6 PFDA	0.98	0.88	90	25-150		12/21/2022 04:39
d3-MeFOSAA	0.98	0.69	71	25-150		12/21/2022 04:39
13C8 PFOSA	0.98	0.70	72	25-150		12/21/2022 04:39
d5-EtFOSAA	0.98	0.83	85	25-150		12/21/2022 04:39
13C7 PFUdA	0.98	0.72	74	25-150		12/21/2022 04:39
13C2 PFDoA	0.98	0.76	78	25-150		12/21/2022 04:39
13C2 PFTeDA	0.98	0.70	72	25-150		12/21/2022 04:39
13C3 HFPO-DA	0.98	0.79	81	25-150		12/21/2022 04:39
d7-N-MeFOSE	0.98	0.70	72	10-150		12/21/2022 04:39
d9-N-EtFOSE	0.98	0.72	73	10-150		12/21/2022 04:39
d3-N-MeFOSA	0.98	0.63	64	10-150		12/21/2022 04:39
d5-N-EtFOSA	0.98	0.67	68	10-150		12/21/2022 04:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB18-24-0
 Lab Sample ID 10635405016
 Lab File ID B221220C_025
 Matrix Solid
 Collected 11/28/2022 14:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.13g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	18		12/21/2022 04:39
13C5 PFPeA	N/A	N/A	5.05	5.06	28		12/21/2022 04:39
13C3 PFBS	N/A	N/A	6.01	6.05	22		12/21/2022 04:39
13C2 4:2FTS	N/A	N/A	5.46	5.50	73		12/21/2022 04:39
13C5 PFHxA	N/A	N/A	5.75	5.78	21		12/21/2022 04:39
13C4 PFHpA	N/A	N/A	6.43	6.45	16		12/21/2022 04:39
13C3 PFHxS	N/A	N/A	7.53	7.58	24		12/21/2022 04:39
13C2 6:2FTS	N/A	N/A	6.75	6.77	13		12/21/2022 04:39
13C8 PFOA	N/A	N/A	7.10	7.13	24		12/21/2022 04:39
13C9 PFNA	N/A	N/A	7.77	7.78	20		12/21/2022 04:39
13C8 PFOS	N/A	N/A	8.96	8.98	15		12/21/2022 04:39
13C2 8:2FTS	N/A	N/A	8.06	8.07	20		12/21/2022 04:39
13C6 PFDA	N/A	N/A	8.45	8.46	10		12/21/2022 04:39
d3-MeFOSAA	N/A	N/A	8.30	8.31	18		12/21/2022 04:39
13C8 PFOSA	N/A	N/A	10.60	10.62	11		12/21/2022 04:39
d5-EtFOSAA	N/A	N/A	8.60	8.61	10		12/21/2022 04:39
13C7 PFUdA	N/A	N/A	9.14	9.16	21		12/21/2022 04:39
13C2 PFDoA	N/A	N/A	9.83	9.85	10		12/21/2022 04:39
13C2 PFTeDA	N/A	N/A	11.18	11.21	10		12/21/2022 04:39
13C3 HFPO-DA	N/A	N/A	6.02	6.03	22		12/21/2022 04:39
d7-N-MeFOSE	N/A	N/A	12.52	12.54	45		12/21/2022 04:39
d9-N-EtFOSE	N/A	N/A	12.99	13.00	31		12/21/2022 04:39
d3-N-MeFOSA	N/A	N/A	12.73	12.73	81		12/21/2022 04:39
d5-N-EtFOSA	N/A	N/A	13.14	13.15	77		12/21/2022 04:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB18-24-0
 Lab Sample ID 10635405016
 Lab File ID B221220C_025
 Matrix Solid
 Collected 11/28/2022 14:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.13g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 04:39
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 04:39
HFPO-DA	0.33	0.34	6.04	6.04	ND		12/21/2022 04:39
PFBS	0.00	0.40	0.00	6.03	ND		12/21/2022 04:39
PFHxA	0.18	0.07	5.76	5.76	ND		12/21/2022 04:39
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 04:39
PFPeS	0.00	0.43	0.00	6.83	ND		12/21/2022 04:39
PFHpA	0.23	0.31	6.43	6.46	ND		12/21/2022 04:39
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 04:39
PFHxS	0.41	0.37	7.54	7.58	ND		12/21/2022 04:39
PFOA	0.37	0.37	7.10	7.11	ND		12/21/2022 04:39
6:2 FTS	1.10	0.93	6.76	6.76	ND		12/21/2022 04:39
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 04:39
PFNA	0.15	0.18	7.77	7.79	ND		12/21/2022 04:39
PFOSAm	N/A	N/A	10.61	10.71	ND		12/21/2022 04:39
PFOS	0.41	0.41	8.97	9.11	29	J	12/21/2022 04:39
MeFOSA	0.85	0.54	12.75	12.78	ND		12/21/2022 04:39
PFDA	0.15	0.16	8.46	8.53	ND		12/21/2022 04:39
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 04:39
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 04:39
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 04:39
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 04:39
PFUnDA	0.14	0.14	9.14	9.17	ND		12/21/2022 04:39
NMeFOSAA	0.71	0.77	8.31	8.32	ND		12/21/2022 04:39
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 04:39
PFDS	0.29	0.32	10.34	10.37	ND		12/21/2022 04:39
PFDOA	0.19	0.19	9.84	9.86	ND		12/21/2022 04:39
MeFOSE	N/A	N/A	12.56	12.59	ND		12/21/2022 04:39
EtFOSE	0.00	0.00	13.03	13.04	ND		12/21/2022 04:39
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 04:39
PFTTrDA	0.16	0.17	10.52	10.54	ND		12/21/2022 04:39
PFDoS	0.46	0.46	11.61	11.64	ND		12/21/2022 04:39
PFTDA	0.25	0.25	11.19	11.21	ND		12/21/2022 04:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB19-24-0
 Lab Sample ID 10635405017
 Lab File ID B221220C_026
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.28g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.095	0.027	0.027	1	375-22-4		12/21/2022 04:59
PFPeA	ND	0.095	0.027	0.027	1	2706-90-3		12/21/2022 04:59
HFPO-DA	ND	0.095	0.026	0.026	1	13252-13-6		12/21/2022 04:59
PFBS	ND	0.084	0.025	0.025	1	375-73-5		12/21/2022 04:59
PFHxA	ND	0.095	0.026	0.026	1	307-24-4		12/21/2022 04:59
4:2 FTS	ND	0.089	0.022	0.022	1	757124-72-4		12/21/2022 04:59
PFPeS	ND	0.089	0.023	0.023	1	2706-91-4		12/21/2022 04:59
PFHpA	ND	0.095	0.033	0.033	1	375-85-9		12/21/2022 04:59
DONA	ND	0.090	0.034	0.034	1	919005-14-4		12/21/2022 04:59
PFHxS	ND	0.086	0.021	0.021	1	355-46-4		12/21/2022 04:59
PFOA	ND	0.095	0.029	0.029	1	335-67-1		12/21/2022 04:59
6:2 FTS	ND	0.090	0.039	0.039	1	27619-97-2		12/21/2022 04:59
PFHpS	ND	0.090	0.026	0.026	1	375-92-8		12/21/2022 04:59
PFNA	ND	0.095	0.029	0.029	1	375-95-1		12/21/2022 04:59
PFOSAm	ND	0.095	0.028	0.028	1	754-91-6		12/21/2022 04:59
PFOS	ND	0.088	0.028	0.028	1	1763-23-1		12/21/2022 04:59
MeFOSA	ND	0.095	0.026	0.026	1	31506-32-8		12/21/2022 04:59
PFDA	ND	0.095	0.022	0.022	1	335-76-2		12/21/2022 04:59
EtFOSAm	ND	0.095	0.024	0.024	1	4151-50-2		12/21/2022 04:59
8:2 FTS	ND	0.091	0.042	0.042	1	39108-34-4		12/21/2022 04:59
9-CI-PF3ON	ND	0.088	0.024	0.024	1	756426-58-1		12/21/2022 04:59
PFNS	ND	0.091	0.033	0.033	1	68259-12-1		12/21/2022 04:59
PFUnDA	ND	0.095	0.029	0.029	1	2058-94-8		12/21/2022 04:59
NMeFOSAA	ND	0.095	0.027	0.027	1	2355-31-9		12/21/2022 04:59
NEtFOSAA	ND	0.095	0.038	0.038	1	2991-50-6		12/21/2022 04:59
PFDS	ND	0.091	0.027	0.027	1	335-77-3		12/21/2022 04:59
PFDOA	ND	0.095	0.031	0.031	1	307-55-1		12/21/2022 04:59
MeFOSE	ND	0.095	0.029	0.029	1	24448-09-7		12/21/2022 04:59
EtFOSE	ND	0.095	0.031	0.031	1	1691-99-2		12/21/2022 04:59
11-CI-PF3OUdS	ND	0.089	0.024	0.024	1	763051-92-9		12/21/2022 04:59
PFTTrDA	ND	0.095	0.030	0.030	1	72629-94-8		12/21/2022 04:59
PFDoS	ND	0.092	0.025	0.025	1	79780-39-5		12/21/2022 04:59
PFTDA	ND	0.095	0.032	0.032	1	376-06-7		12/21/2022 04:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB19-24-0
 Lab Sample ID 10635405017
 Lab File ID B221220C_026
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.28g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.95	0.70	73	25-150		12/21/2022 04:59
13C5 PFPeA	0.95	0.70	74	25-150		12/21/2022 04:59
13C3 PFBS	0.88	0.63	71	25-150		12/21/2022 04:59
13C2 4:2FTS	0.89	0.60	68	25-150		12/21/2022 04:59
13C5 PFHxA	0.95	0.72	76	25-150		12/21/2022 04:59
13C4 PFHpA	0.95	0.68	72	25-150		12/21/2022 04:59
13C3 PFHxS	0.90	0.63	70	25-150		12/21/2022 04:59
13C2 6:2FTS	0.90	0.66	73	25-150		12/21/2022 04:59
13C8 PFOA	0.95	0.70	74	25-150		12/21/2022 04:59
13C9 PFNA	0.95	0.70	74	25-150		12/21/2022 04:59
13C8 PFOS	0.91	0.65	71	25-150		12/21/2022 04:59
13C2 8:2FTS	0.91	0.73	80	25-150		12/21/2022 04:59
13C6 PFDA	0.95	0.76	80	25-150		12/21/2022 04:59
d3-MeFOSAA	0.95	0.60	64	25-150		12/21/2022 04:59
13C8 PFOSA	0.95	0.62	65	25-150		12/21/2022 04:59
d5-EtFOSAA	0.95	0.59	62	25-150		12/21/2022 04:59
13C7 PFUdA	0.95	0.69	73	25-150		12/21/2022 04:59
13C2 PFDoA	0.95	0.66	70	25-150		12/21/2022 04:59
13C2 PFTeDA	0.95	0.62	66	25-150		12/21/2022 04:59
13C3 HFPO-DA	0.95	0.73	77	25-150		12/21/2022 04:59
d7-N-MeFOSE	0.95	0.56	59	10-150		12/21/2022 04:59
d9-N-EtFOSE	0.95	0.59	62	10-150		12/21/2022 04:59
d3-N-MeFOSA	0.95	0.55	58	10-150		12/21/2022 04:59
d5-N-EtFOSA	0.95	0.57	61	10-150		12/21/2022 04:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB19-24-0
 Lab Sample ID 10635405017
 Lab File ID B221220C_026
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.28g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	19		12/21/2022 04:59
13C5 PFPeA	N/A	N/A	5.05	5.06	27		12/21/2022 04:59
13C3 PFBS	N/A	N/A	6.01	6.05	22		12/21/2022 04:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	68		12/21/2022 04:59
13C5 PFHxA	N/A	N/A	5.74	5.78	18		12/21/2022 04:59
13C4 PFHpA	N/A	N/A	6.42	6.45	16		12/21/2022 04:59
13C3 PFHxS	N/A	N/A	7.53	7.58	21		12/21/2022 04:59
13C2 6:2FTS	N/A	N/A	6.75	6.77	75		12/21/2022 04:59
13C8 PFOA	N/A	N/A	7.10	7.13	23		12/21/2022 04:59
13C9 PFNA	N/A	N/A	7.77	7.78	22		12/21/2022 04:59
13C8 PFOS	N/A	N/A	8.96	8.98	17		12/21/2022 04:59
13C2 8:2FTS	N/A	N/A	8.06	8.07	12		12/21/2022 04:59
13C6 PFDA	N/A	N/A	8.45	8.46	11		12/21/2022 04:59
d3-MeFOSAA	N/A	N/A	8.30	8.31	12		12/21/2022 04:59
13C8 PFOSA	N/A	N/A	10.60	10.62	12		12/21/2022 04:59
d5-EtFOSAA	N/A	N/A	8.60	8.61	10		12/21/2022 04:59
13C7 PFUdA	N/A	N/A	9.14	9.16	22		12/21/2022 04:59
13C2 PFDoA	N/A	N/A	9.84	9.85	11		12/21/2022 04:59
13C2 PFTeDA	N/A	N/A	11.18	11.21	11		12/21/2022 04:59
13C3 HFPO-DA	N/A	N/A	6.02	6.03	17		12/21/2022 04:59
d7-N-MeFOSE	N/A	N/A	12.52	12.54	41		12/21/2022 04:59
d9-N-EtFOSE	N/A	N/A	12.99	13.00	28		12/21/2022 04:59
d3-N-MeFOSA	N/A	N/A	12.72	12.73	91		12/21/2022 04:59
d5-N-EtFOSA	N/A	N/A	13.14	13.15	74		12/21/2022 04:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB19-24-0
 Lab Sample ID 10635405017
 Lab File ID B221220C_026
 Matrix Solid
 Collected 11/28/2022 16:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.28g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 04:59
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 04:59
HFPO-DA	0.44	0.34	6.03	6.04	ND		12/21/2022 04:59
PFBS	0.46	0.40	6.02	6.03	ND		12/21/2022 04:59
PFHxA	0.00	0.07	0.00	5.76	ND		12/21/2022 04:59
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 04:59
PFPeS	0.00	0.43	0.00	6.83	ND		12/21/2022 04:59
PFHpA	0.17	0.31	6.43	6.46	ND		12/21/2022 04:59
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 04:59
PFHxS	0.40	0.37	7.53	7.58	ND		12/21/2022 04:59
PFOA	0.15	0.37	7.10	7.11	ND		12/21/2022 04:59
6:2 FTS	0.00	0.93	0.00	6.76	ND		12/21/2022 04:59
PFHpS	0.00	0.48	0.00	8.27	ND		12/21/2022 04:59
PFNA	0.14	0.18	7.77	7.79	ND		12/21/2022 04:59
PFOSAm	N/A	N/A	10.61	10.71	ND		12/21/2022 04:59
PFOS	0.37	0.41	8.97	9.11	ND		12/21/2022 04:59
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 04:59
PFDA	0.00	0.16	0.00	8.53	ND		12/21/2022 04:59
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 04:59
8:2 FTS	0.00	1.00	0.00	8.13	ND		12/21/2022 04:59
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 04:59
PFNS	0.00	0.44	0.00	9.68	ND		12/21/2022 04:59
PFUnDA	0.08	0.14	9.15	9.17	ND		12/21/2022 04:59
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 04:59
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 04:59
PFDS	0.00	0.32	0.00	10.37	ND		12/21/2022 04:59
PFDOA	0.07	0.19	9.84	9.86	ND		12/21/2022 04:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 04:59
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 04:59
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 04:59
PFTTrDA	0.26	0.17	10.52	10.54	ND		12/21/2022 04:59
PFDoS	0.00	0.46	0.00	11.64	ND		12/21/2022 04:59
PFTDA	0.28	0.25	11.19	11.21	ND		12/21/2022 04:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB20-24-0
 Lab Sample ID 10635405018
 Lab File ID B221220C_027
 Matrix Solid
 Collected 11/28/2022 17:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.033 J	0.095	0.027	0.027	1	375-22-4		12/21/2022 05:19
PFPeA	ND	0.095	0.027	0.027	1	2706-90-3		12/21/2022 05:19
HFPO-DA	ND	0.095	0.027	0.027	1	13252-13-6		12/21/2022 05:19
PFBS	ND	0.084	0.025	0.025	1	375-73-5		12/21/2022 05:19
PFHxA	ND	0.095	0.026	0.026	1	307-24-4		12/21/2022 05:19
4:2 FTS	ND	0.089	0.022	0.022	1	757124-72-4		12/21/2022 05:19
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/21/2022 05:19
PFHpA	ND	0.095	0.033	0.033	1	375-85-9		12/21/2022 05:19
DONA	ND	0.090	0.035	0.035	1	919005-14-4		12/21/2022 05:19
PFHxS	0.088	0.087	0.021	0.021	1	355-46-4		12/21/2022 05:19
PFOA	ND	0.095	0.030	0.030	1	335-67-1		12/21/2022 05:19
6:2 FTS	ND	0.091	0.039	0.039	1	27619-97-2		12/21/2022 05:19
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/21/2022 05:19
PFNA	ND	0.095	0.030	0.030	1	375-95-1		12/21/2022 05:19
PFOSAm	ND	0.095	0.028	0.028	1	754-91-6		12/21/2022 05:19
PFOS	1.7	0.088	0.028	0.028	1	1763-23-1		12/21/2022 05:19
MeFOSA	ND	0.095	0.026	0.026	1	31506-32-8		12/21/2022 05:19
PFDA	ND	0.095	0.022	0.022	1	335-76-2		12/21/2022 05:19
EtFOSAm	ND	0.095	0.024	0.024	1	4151-50-2		12/21/2022 05:19
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/21/2022 05:19
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/21/2022 05:19
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/21/2022 05:19
PFUnDA	ND	0.095	0.029	0.029	1	2058-94-8		12/21/2022 05:19
NMeFOSAA	ND	0.095	0.027	0.027	1	2355-31-9		12/21/2022 05:19
NEtFOSAA	ND	0.095	0.038	0.038	1	2991-50-6		12/21/2022 05:19
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/21/2022 05:19
PFDOA	ND	0.095	0.031	0.031	1	307-55-1		12/21/2022 05:19
MeFOSE	ND	0.095	0.029	0.029	1	24448-09-7		12/21/2022 05:19
EtFOSE	ND	0.095	0.031	0.031	1	1691-99-2		12/21/2022 05:19
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/21/2022 05:19
PFTTrDA	ND	0.095	0.030	0.030	1	72629-94-8		12/21/2022 05:19
PFDoS	ND	0.092	0.025	0.025	1	79780-39-5		12/21/2022 05:19
PFTDA	ND	0.095	0.033	0.033	1	376-06-7		12/21/2022 05:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB20-24-0
 Lab Sample ID 10635405018
 Lab File ID B221220C_027
 Matrix Solid
 Collected 11/28/2022 17:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.95	0.73	77	25-150		12/21/2022 05:19
13C5 PFPeA	0.95	0.73	77	25-150		12/21/2022 05:19
13C3 PFBS	0.89	0.68	77	25-150		12/21/2022 05:19
13C2 4:2FTS	0.89	0.60	68	25-150		12/21/2022 05:19
13C5 PFHxA	0.95	0.76	80	25-150		12/21/2022 05:19
13C4 PFHpA	0.95	0.75	79	25-150		12/21/2022 05:19
13C3 PFHxS	0.90	0.71	79	25-150		12/21/2022 05:19
13C2 6:2FTS	0.90	0.60	66	25-150		12/21/2022 05:19
13C8 PFOA	0.95	0.69	72	25-150		12/21/2022 05:19
13C9 PFNA	0.95	0.76	79	25-150		12/21/2022 05:19
13C8 PFOS	0.91	0.67	73	25-150		12/21/2022 05:19
13C2 8:2FTS	0.91	0.64	70	25-150		12/21/2022 05:19
13C6 PFDA	0.95	0.83	87	25-150		12/21/2022 05:19
d3-MeFOSAA	0.95	0.68	71	25-150		12/21/2022 05:19
13C8 PFOSA	0.95	0.62	65	25-150		12/21/2022 05:19
d5-EtFOSAA	0.95	0.69	72	25-150		12/21/2022 05:19
13C7 PFUdA	0.95	0.71	75	25-150		12/21/2022 05:19
13C2 PFDoA	0.95	0.67	71	25-150		12/21/2022 05:19
13C2 PFTeDA	0.95	0.67	71	25-150		12/21/2022 05:19
13C3 HFPO-DA	0.95	0.75	79	25-150		12/21/2022 05:19
d7-N-MeFOSE	0.95	0.60	63	10-150		12/21/2022 05:19
d9-N-EtFOSE	0.95	0.69	73	10-150		12/21/2022 05:19
d3-N-MeFOSA	0.95	0.55	58	10-150		12/21/2022 05:19
d5-N-EtFOSA	0.95	0.61	64	10-150		12/21/2022 05:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB20-24-0
 Lab Sample ID 10635405018
 Lab File ID B221220C_027
 Matrix Solid
 Collected 11/28/2022 17:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	21		12/21/2022 05:19
13C5 PFPeA	N/A	N/A	5.05	5.06	29		12/21/2022 05:19
13C3 PFBS	N/A	N/A	6.02	6.05	34		12/21/2022 05:19
13C2 4:2FTS	N/A	N/A	5.46	5.50	80		12/21/2022 05:19
13C5 PFHxA	N/A	N/A	5.75	5.78	17		12/21/2022 05:19
13C4 PFHpA	N/A	N/A	6.43	6.45	21		12/21/2022 05:19
13C3 PFHxS	N/A	N/A	7.53	7.58	36		12/21/2022 05:19
13C2 6:2FTS	N/A	N/A	6.75	6.77	12		12/21/2022 05:19
13C8 PFOA	N/A	N/A	7.10	7.13	23		12/21/2022 05:19
13C9 PFNA	N/A	N/A	7.77	7.78	22		12/21/2022 05:19
13C8 PFOS	N/A	N/A	8.96	8.98	20		12/21/2022 05:19
13C2 8:2FTS	N/A	N/A	8.06	8.07	21		12/21/2022 05:19
13C6 PFDA	N/A	N/A	8.46	8.46	11		12/21/2022 05:19
d3-MeFOSAA	N/A	N/A	8.30	8.31	19		12/21/2022 05:19
13C8 PFOSA	N/A	N/A	10.61	10.62	12		12/21/2022 05:19
d5-EtFOSAA	N/A	N/A	8.61	8.61	13		12/21/2022 05:19
13C7 PFUdA	N/A	N/A	9.15	9.16	17		12/21/2022 05:19
13C2 PFDoA	N/A	N/A	9.85	9.85	11		12/21/2022 05:19
13C2 PFTeDA	N/A	N/A	11.18	11.21	13		12/21/2022 05:19
13C3 HFPO-DA	N/A	N/A	6.02	6.03	25		12/21/2022 05:19
d7-N-MeFOSE	N/A	N/A	12.52	12.54	42		12/21/2022 05:19
d9-N-EtFOSE	N/A	N/A	12.98	13.00	32		12/21/2022 05:19
d3-N-MeFOSA	N/A	N/A	12.72	12.73	59		12/21/2022 05:19
d5-N-EtFOSA	N/A	N/A	13.13	13.15	77		12/21/2022 05:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB20-24-0
 Lab Sample ID 10635405018
 Lab File ID B221220C_027
 Matrix Solid
 Collected 11/28/2022 17:50
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221220C_017
 Ending CCal File B221220C_028
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	92	J	12/21/2022 05:19
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 05:19
HFPO-DA	0.44	0.34	6.04	6.04	ND		12/21/2022 05:19
PFBS	0.58	0.40	6.02	6.03	ND		12/21/2022 05:19
PFHxA	0.09	0.07	5.75	5.76	ND		12/21/2022 05:19
4:2 FTS	0.00	0.76	0.00	5.50	ND		12/21/2022 05:19
PFPeS	0.42	0.43	6.81	6.83	ND		12/21/2022 05:19
PFHpA	0.29	0.31	6.43	6.46	ND		12/21/2022 05:19
DONA	0.00	0.59	0.00	6.70	ND		12/21/2022 05:19
PFHxS	0.37	0.37	7.54	7.58	88		12/21/2022 05:19
PFOA	0.30	0.37	7.10	7.11	ND		12/21/2022 05:19
6:2 FTS	0.98	0.93	6.74	6.76	ND		12/21/2022 05:19
PFHpS	0.44	0.48	8.26	8.27	ND		12/21/2022 05:19
PFNA	0.11	0.18	7.77	7.79	ND		12/21/2022 05:19
PFOSAm	N/A	N/A	10.62	10.71	ND		12/21/2022 05:19
PFOS	0.41	0.41	8.97	9.11	79		12/21/2022 05:19
MeFOSA	0.00	0.54	0.00	12.78	ND		12/21/2022 05:19
PFDA	0.14	0.16	8.46	8.53	ND		12/21/2022 05:19
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/21/2022 05:19
8:2 FTS	1.90	1.00	8.31	8.13	ND		12/21/2022 05:19
9-Cl-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 05:19
PFNS	0.46	0.44	9.67	9.68	ND		12/21/2022 05:19
PFUnDA	0.12	0.14	9.15	9.17	ND		12/21/2022 05:19
NMeFOSAA	0.00	0.77	0.00	8.32	ND		12/21/2022 05:19
NEtFOSAA	0.00	0.64	0.00	8.62	ND		12/21/2022 05:19
PFDS	0.38	0.32	10.35	10.37	ND		12/21/2022 05:19
PFDOA	0.16	0.19	9.84	9.86	ND		12/21/2022 05:19
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 05:19
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 05:19
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 05:19
PFTTrDA	0.00	0.17	0.00	10.54	ND		12/21/2022 05:19
PFDoS	0.57	0.46	11.61	11.64	ND		12/21/2022 05:19
PFTDA	0.21	0.25	11.18	11.21	ND		12/21/2022 05:19

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB21-24-0
 Lab Sample ID 10635405019
 Lab File ID B221220C_029
 Matrix Solid
 Collected 11/29/2022 12:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.094	0.027	0.027	1	375-22-4		12/21/2022 05:59
PFPeA	ND	0.094	0.027	0.027	1	2706-90-3		12/21/2022 05:59
HFPO-DA	ND	0.094	0.026	0.026	1	13252-13-6		12/21/2022 05:59
PFBS	ND	0.083	0.025	0.025	1	375-73-5		12/21/2022 05:59
PFHxA	ND	0.094	0.026	0.026	1	307-24-4		12/21/2022 05:59
4:2 FTS	ND	0.088	0.022	0.022	1	757124-72-4		12/21/2022 05:59
PFPeS	ND	0.088	0.023	0.023	1	2706-91-4		12/21/2022 05:59
PFHpA	ND	0.094	0.033	0.033	1	375-85-9		12/21/2022 05:59
DONA	ND	0.089	0.034	0.034	1	919005-14-4		12/21/2022 05:59
PFHxS	ND	0.086	0.021	0.021	1	355-46-4		12/21/2022 05:59
PFOA	0.092 J	0.094	0.029	0.029	1	335-67-1		12/21/2022 05:59
6:2 FTS	ND	0.089	0.039	0.039	1	27619-97-2		12/21/2022 05:59
PFHpS	ND	0.089	0.026	0.026	1	375-92-8		12/21/2022 05:59
PFNA	ND	0.094	0.029	0.029	1	375-95-1		12/21/2022 05:59
PFOSAm	ND	0.094	0.028	0.028	1	754-91-6		12/21/2022 05:59
PFOS	ND	0.087	0.028	0.028	1	1763-23-1		12/21/2022 05:59
MeFOSA	ND	0.094	0.026	0.026	1	31506-32-8		12/21/2022 05:59
PFDA	ND	0.094	0.021	0.021	1	335-76-2		12/21/2022 05:59
EtFOSAm	ND	0.094	0.024	0.024	1	4151-50-2		12/21/2022 05:59
8:2 FTS	ND	0.090	0.041	0.041	1	39108-34-4		12/21/2022 05:59
9-CI-PF3ON	ND	0.088	0.024	0.024	1	756426-58-1		12/21/2022 05:59
PFNS	ND	0.090	0.033	0.033	1	68259-12-1		12/21/2022 05:59
PFUnDA	ND	0.094	0.028	0.028	1	2058-94-8		12/21/2022 05:59
NMeFOSAA	ND	0.094	0.026	0.026	1	2355-31-9		12/21/2022 05:59
NEtFOSAA	ND	0.094	0.038	0.038	1	2991-50-6		12/21/2022 05:59
PFDS	ND	0.091	0.027	0.027	1	335-77-3		12/21/2022 05:59
PFDOA	ND	0.094	0.031	0.031	1	307-55-1		12/21/2022 05:59
MeFOSE	ND	0.094	0.029	0.029	1	24448-09-7		12/21/2022 05:59
EtFOSE	ND	0.094	0.030	0.030	1	1691-99-2		12/21/2022 05:59
11-CI-PF3OUdS	ND	0.089	0.024	0.024	1	763051-92-9		12/21/2022 05:59
PFTTrDA	ND	0.094	0.030	0.030	1	72629-94-8		12/21/2022 05:59
PFDoS	ND	0.091	0.025	0.025	1	79780-39-5		12/21/2022 05:59
PFTDA	ND	0.094	0.032	0.032	1	376-06-7		12/21/2022 05:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB21-24-0
 Lab Sample ID 10635405019
 Lab File ID B221220C_029
 Matrix Solid
 Collected 11/29/2022 12:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.94	0.63	67	25-150		12/21/2022 05:59
13C5 PFPeA	0.94	0.62	66	25-150		12/21/2022 05:59
13C3 PFBS	0.87	0.62	71	25-150		12/21/2022 05:59
13C2 4:2FTS	0.88	0.65	74	25-150		12/21/2022 05:59
13C5 PFHxA	0.94	0.61	65	25-150		12/21/2022 05:59
13C4 PFHpA	0.94	0.60	64	25-150		12/21/2022 05:59
13C3 PFHxS	0.89	0.61	69	25-150		12/21/2022 05:59
13C2 6:2FTS	0.89	0.63	70	25-150		12/21/2022 05:59
13C8 PFOA	0.94	0.65	69	25-150		12/21/2022 05:59
13C9 PFNA	0.94	0.66	70	25-150		12/21/2022 05:59
13C8 PFOS	0.90	0.60	67	25-150		12/21/2022 05:59
13C2 8:2FTS	0.90	0.58	64	25-150		12/21/2022 05:59
13C6 PFDA	0.94	0.63	67	25-150		12/21/2022 05:59
d3-MeFOSAA	0.94	0.67	71	25-150		12/21/2022 05:59
13C8 PFOSA	0.94	0.60	64	25-150		12/21/2022 05:59
d5-EtFOSAA	0.94	0.62	66	25-150		12/21/2022 05:59
13C7 PFUdA	0.94	0.62	66	25-150		12/21/2022 05:59
13C2 PFDoA	0.94	0.67	71	25-150		12/21/2022 05:59
13C2 PFTeDA	0.94	0.62	66	25-150		12/21/2022 05:59
13C3 HFPO-DA	0.94	0.60	64	25-150		12/21/2022 05:59
d7-N-MeFOSE	0.94	0.63	67	10-150		12/21/2022 05:59
d9-N-EtFOSE	0.94	0.61	65	10-150		12/21/2022 05:59
d3-N-MeFOSA	0.94	0.56	60	10-150		12/21/2022 05:59
d5-N-EtFOSA	0.94	0.52	56	10-150		12/21/2022 05:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB21-24-0
 Lab Sample ID 10635405019
 Lab File ID B221220C_029
 Matrix Solid
 Collected 11/29/2022 12:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	20		12/21/2022 05:59
13C5 PFPeA	N/A	N/A	5.05	5.06	24		12/21/2022 05:59
13C3 PFBS	N/A	N/A	6.02	6.05	24		12/21/2022 05:59
13C2 4:2FTS	N/A	N/A	5.46	5.50	77		12/21/2022 05:59
13C5 PFHxA	N/A	N/A	5.75	5.78	16		12/21/2022 05:59
13C4 PFHpA	N/A	N/A	6.43	6.45	19		12/21/2022 05:59
13C3 PFHxS	N/A	N/A	7.53	7.58	27		12/21/2022 05:59
13C2 6:2FTS	N/A	N/A	6.75	6.77	27		12/21/2022 05:59
13C8 PFOA	N/A	N/A	7.10	7.13	25		12/21/2022 05:59
13C9 PFNA	N/A	N/A	7.76	7.78	21		12/21/2022 05:59
13C8 PFOS	N/A	N/A	8.96	8.98	20		12/21/2022 05:59
13C2 8:2FTS	N/A	N/A	8.06	8.07	30		12/21/2022 05:59
13C6 PFDA	N/A	N/A	8.45	8.46	11		12/21/2022 05:59
d3-MeFOSAA	N/A	N/A	8.30	8.31	13		12/21/2022 05:59
13C8 PFOSA	N/A	N/A	10.60	10.62	12		12/21/2022 05:59
d5-EtFOSAA	N/A	N/A	8.60	8.61	29		12/21/2022 05:59
13C7 PFUdA	N/A	N/A	9.14	9.16	26		12/21/2022 05:59
13C2 PFDoA	N/A	N/A	9.83	9.85	13		12/21/2022 05:59
13C2 PFTeDA	N/A	N/A	11.18	11.21	13		12/21/2022 05:59
13C3 HFPO-DA	N/A	N/A	6.03	6.03	20		12/21/2022 05:59
d7-N-MeFOSE	N/A	N/A	12.51	12.54	49		12/21/2022 05:59
d9-N-EtFOSE	N/A	N/A	12.98	13.00	40		12/21/2022 05:59
d3-N-MeFOSA	N/A	N/A	12.72	12.73	53		12/21/2022 05:59
d5-N-EtFOSA	N/A	N/A	13.13	13.15	75		12/21/2022 05:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB21-24-0
 Lab Sample ID 10635405019
 Lab File ID B221220C_029
 Matrix Solid
 Collected 11/29/2022 12:45
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.32g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 05:59
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 05:59
HFPO-DA	0.37	0.36	6.04	6.04	ND		12/21/2022 05:59
PFBS	0.48	0.41	6.02	6.03	ND		12/21/2022 05:59
PFHxA	0.09	0.09	5.75	5.76	ND		12/21/2022 05:59
4:2 FTS	0.78	0.83	5.46	5.50	ND		12/21/2022 05:59
PFPeS	0.34	0.44	6.81	6.83	ND		12/21/2022 05:59
PFHpA	0.30	0.32	6.43	6.46	ND		12/21/2022 05:59
DONA	0.60	0.59	6.68	6.70	ND		12/21/2022 05:59
PFHxS	0.33	0.39	7.54	7.58	ND		12/21/2022 05:59
PFOA	0.38	0.39	7.10	7.11	86	J	12/21/2022 05:59
6:2 FTS	0.54	0.92	6.75	6.76	ND		12/21/2022 05:59
PFHpS	0.00	0.46	0.00	8.27	ND		12/21/2022 05:59
PFNA	0.12	0.17	7.77	7.79	ND		12/21/2022 05:59
PFOSAm	N/A	N/A	0.00	10.71	ND		12/21/2022 05:59
PFOS	0.35	0.43	8.96	9.11	ND		12/21/2022 05:59
MeFOSA	0.00	0.60	0.00	12.78	ND		12/21/2022 05:59
PFDA	0.00	0.17	0.00	8.53	ND		12/21/2022 05:59
EtFOSAm	0.70	0.51	13.17	13.20	ND		12/21/2022 05:59
8:2 FTS	0.00	0.88	0.00	8.13	ND		12/21/2022 05:59
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 05:59
PFNS	0.00	0.46	0.00	9.68	ND		12/21/2022 05:59
PFUnDA	0.00	0.13	0.00	9.17	ND		12/21/2022 05:59
NMeFOSAA	0.00	0.90	0.00	8.32	ND		12/21/2022 05:59
NEtFOSAA	0.00	0.61	0.00	8.62	ND		12/21/2022 05:59
PFDS	0.00	0.33	0.00	10.37	ND		12/21/2022 05:59
PFDOA	0.09	0.17	9.83	9.86	ND		12/21/2022 05:59
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 05:59
EtFOSE	0.00	0.00	13.02	13.04	ND		12/21/2022 05:59
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 05:59
PFTTrDA	0.00	0.17	0.00	10.54	ND		12/21/2022 05:59
PFDoS	0.00	0.45	0.00	11.64	ND		12/21/2022 05:59
PFTDA	0.20	0.26	11.19	11.21	ND		12/21/2022 05:59

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB22-24-0
 Lab Sample ID 10635405020
 Lab File ID B221220C_030
 Matrix Solid
 Collected 11/29/2022 16:20
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.03g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.099	0.028	0.028	1	375-22-4		12/21/2022 06:20
PFPeA	ND	0.099	0.028	0.028	1	2706-90-3		12/21/2022 06:20
HFPO-DA	ND	0.099	0.028	0.028	1	13252-13-6		12/21/2022 06:20
PFBS	ND	0.088	0.026	0.026	1	375-73-5		12/21/2022 06:20
PFHxA	ND	0.099	0.027	0.027	1	307-24-4		12/21/2022 06:20
4:2 FTS	ND	0.093	0.023	0.023	1	757124-72-4		12/21/2022 06:20
PFPeS	ND	0.093	0.024	0.024	1	2706-91-4		12/21/2022 06:20
PFHpA	ND	0.099	0.035	0.035	1	375-85-9		12/21/2022 06:20
DONA	ND	0.094	0.036	0.036	1	919005-14-4		12/21/2022 06:20
PFHxS	0.67	0.090	0.022	0.022	1	355-46-4		12/21/2022 06:20
PFOA	0.039 J	0.099	0.031	0.031	1	335-67-1		12/21/2022 06:20
6:2 FTS	ND	0.094	0.041	0.041	1	27619-97-2		12/21/2022 06:20
PFHpS	0.081 J	0.094	0.028	0.028	1	375-92-8		12/21/2022 06:20
PFNA	ND	0.099	0.031	0.031	1	375-95-1		12/21/2022 06:20
PFOSAm	ND	0.099	0.029	0.029	1	754-91-6		12/21/2022 06:20
PFOS	18 D	0.92	0.29	0.29	10	1763-23-1		12/21/2022 14:20
MeFOSA	ND	0.099	0.027	0.027	1	31506-32-8		12/21/2022 06:20
PFDA	ND	0.099	0.023	0.023	1	335-76-2		12/21/2022 06:20
EtFOSAm	ND	0.099	0.025	0.025	1	4151-50-2		12/21/2022 06:20
8:2 FTS	ND	0.095	0.044	0.044	1	39108-34-4		12/21/2022 06:20
9-CI-PF3ON	ND	0.093	0.025	0.025	1	756426-58-1		12/21/2022 06:20
PFNS	ND	0.095	0.035	0.035	1	68259-12-1		12/21/2022 06:20
PFUnDA	ND	0.099	0.030	0.030	1	2058-94-8		12/21/2022 06:20
NMeFOSAA	ND	0.099	0.028	0.028	1	2355-31-9		12/21/2022 06:20
NEtFOSAA	ND	0.099	0.040	0.040	1	2991-50-6		12/21/2022 06:20
PFDS	ND	0.096	0.028	0.028	1	335-77-3		12/21/2022 06:20
PFDOA	ND	0.099	0.033	0.033	1	307-55-1		12/21/2022 06:20
MeFOSE	ND	0.099	0.030	0.030	1	24448-09-7		12/21/2022 06:20
EtFOSE	ND	0.099	0.032	0.032	1	1691-99-2		12/21/2022 06:20
11-CI-PF3OUdS	ND	0.094	0.025	0.025	1	763051-92-9		12/21/2022 06:20
PFTTrDA	ND	0.099	0.032	0.032	1	72629-94-8		12/21/2022 06:20
PFDoS	ND	0.096	0.026	0.026	1	79780-39-5		12/21/2022 06:20
PFTDA	ND	0.099	0.034	0.034	1	376-06-7		12/21/2022 06:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB22-24-0
 Lab Sample ID 10635405020
 Lab File ID B221220C_030
 Matrix Solid
 Collected 11/29/2022 16:20
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.03g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.99	0.79	79	25-150		12/21/2022 06:20
13C5 PFPeA	0.99	0.78	79	25-150		12/21/2022 06:20
13C3 PFBS	0.92	0.74	80	25-150		12/21/2022 06:20
13C2 4:2FTS	0.93	0.79	85	25-150		12/21/2022 06:20
13C5 PFHxA	0.99	0.77	77	25-150		12/21/2022 06:20
13C4 PFHpA	0.99	0.74	74	25-150		12/21/2022 06:20
13C3 PFHxS	0.94	0.72	77	25-150		12/21/2022 06:20
13C2 6:2FTS	0.94	0.75	79	25-150		12/21/2022 06:20
13C8 PFOA	0.99	0.81	82	25-150		12/21/2022 06:20
13C9 PFNA	0.99	0.77	78	25-150		12/21/2022 06:20
13C8 PFOS	0.95	1.1	114	25-150	D	12/21/2022 14:20
13C2 8:2FTS	0.95	0.70	73	25-150		12/21/2022 06:20
13C6 PFDA	0.99	0.79	79	25-150		12/21/2022 06:20
d3-MeFOSAA	0.99	0.90	90	25-150		12/21/2022 06:20
13C8 PFOSA	0.99	0.76	77	25-150		12/21/2022 06:20
d5-EtFOSAA	0.99	0.78	78	25-150		12/21/2022 06:20
13C7 PFUdA	0.99	0.74	74	25-150		12/21/2022 06:20
13C2 PFDoA	0.99	0.80	80	25-150		12/21/2022 06:20
13C2 PFTeDA	0.99	0.77	78	25-150		12/21/2022 06:20
13C3 HFPO-DA	0.99	0.80	80	25-150		12/21/2022 06:20
d7-N-MeFOSE	0.99	0.74	74	10-150		12/21/2022 06:20
d9-N-EtFOSE	0.99	0.72	73	10-150		12/21/2022 06:20
d3-N-MeFOSA	0.99	0.71	71	10-150		12/21/2022 06:20
d5-N-EtFOSA	0.99	0.65	66	10-150		12/21/2022 06:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB22-24-0
 Lab Sample ID 10635405020
 Lab File ID B221220C_030
 Matrix Solid
 Collected 11/29/2022 16:20
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.03g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	22		12/21/2022 06:20
13C5 PFPeA	N/A	N/A	5.04	5.06	22		12/21/2022 06:20
13C3 PFBS	N/A	N/A	6.01	6.05	28		12/21/2022 06:20
13C2 4:2FTS	N/A	N/A	5.45	5.50	76		12/21/2022 06:20
13C5 PFHxA	N/A	N/A	5.74	5.78	19		12/21/2022 06:20
13C4 PFHpA	N/A	N/A	6.42	6.45	18		12/21/2022 06:20
13C3 PFHxS	N/A	N/A	7.53	7.58	28		12/21/2022 06:20
13C2 6:2FTS	N/A	N/A	6.74	6.77	32		12/21/2022 06:20
13C8 PFOA	N/A	N/A	7.09	7.13	27		12/21/2022 06:20
13C9 PFNA	N/A	N/A	7.76	7.78	20		12/21/2022 06:20
13C8 PFOS	N/A	N/A	8.96	8.98	38	D	12/21/2022 14:20
13C2 8:2FTS	N/A	N/A	8.06	8.07	28		12/21/2022 06:20
13C6 PFDA	N/A	N/A	8.45	8.46	10		12/21/2022 06:20
d3-MeFOSAA	N/A	N/A	8.30	8.31	35		12/21/2022 06:20
13C8 PFOSA	N/A	N/A	10.60	10.62	12		12/21/2022 06:20
d5-EtFOSAA	N/A	N/A	8.60	8.61	11		12/21/2022 06:20
13C7 PFUdA	N/A	N/A	9.14	9.16	22		12/21/2022 06:20
13C2 PFDoA	N/A	N/A	9.83	9.85	13		12/21/2022 06:20
13C2 PFTeDA	N/A	N/A	11.18	11.21	12		12/21/2022 06:20
13C3 HFPO-DA	N/A	N/A	6.02	6.03	20		12/21/2022 06:20
d7-N-MeFOSE	N/A	N/A	12.51	12.54	41		12/21/2022 06:20
d9-N-EtFOSE	N/A	N/A	12.98	13.00	37		12/21/2022 06:20
d3-N-MeFOSA	N/A	N/A	12.72	12.73	55		12/21/2022 06:20
d5-N-EtFOSA	N/A	N/A	13.13	13.15	70		12/21/2022 06:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB22-24-0
 Lab Sample ID 10635405020
 Lab File ID B221220C_030
 Matrix Solid
 Collected 11/29/2022 16:20
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.03g
 Ical ID 221219A02
 CCal File B221220C_028
 Ending CCal File B221220C_033
 Blank File B221220C_007

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/21/2022 06:20
PFPeA	N/A	N/A	5.05	5.06	ND		12/21/2022 06:20
HFPO-DA	0.36	0.36	6.03	6.04	ND		12/21/2022 06:20
PFBS	0.57	0.41	6.01	6.03	ND		12/21/2022 06:20
PFHxA	0.06	0.09	5.75	5.76	ND		12/21/2022 06:20
4:2 FTS	0.00	0.83	0.00	5.50	ND		12/21/2022 06:20
PFPeS	0.48	0.44	6.80	6.83	ND		12/21/2022 06:20
PFHpA	0.22	0.32	6.42	6.46	ND		12/21/2022 06:20
DONA	0.53	0.59	6.67	6.70	ND		12/21/2022 06:20
PFHxS	0.35	0.39	7.53	7.58	28		12/21/2022 06:20
PFOA	0.31	0.39	7.10	7.11	66	J	12/21/2022 06:20
6:2 FTS	0.00	0.92	0.00	6.76	ND		12/21/2022 06:20
PFHpS	0.55	0.46	8.26	8.27	56	J	12/21/2022 06:20
PFNA	0.18	0.17	7.77	7.79	ND		12/21/2022 06:20
PFOSAm	N/A	N/A	10.60	10.71	ND		12/21/2022 06:20
PFOS	0.45	0.36	8.97	8.99	44	D	12/21/2022 14:20
MeFOSA	0.00	0.60	0.00	12.78	ND		12/21/2022 06:20
PFDA	0.14	0.17	8.46	8.53	ND		12/21/2022 06:20
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/21/2022 06:20
8:2 FTS	0.00	0.88	0.00	8.13	ND		12/21/2022 06:20
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/21/2022 06:20
PFNS	0.34	0.46	9.66	9.68	ND		12/21/2022 06:20
PFUnDA	0.00	0.13	0.00	9.17	ND		12/21/2022 06:20
NMeFOSAA	0.00	0.90	0.00	8.32	ND		12/21/2022 06:20
NEtFOSAA	0.00	0.61	0.00	8.62	ND		12/21/2022 06:20
PFDS	0.51	0.33	10.34	10.37	ND		12/21/2022 06:20
PFDOA	0.15	0.17	9.84	9.86	ND		12/21/2022 06:20
MeFOSE	N/A	N/A	0.00	12.59	ND		12/21/2022 06:20
EtFOSE	0.00	0.00	0.00	13.04	ND		12/21/2022 06:20
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/21/2022 06:20
PFTTrDA	0.00	0.17	0.00	10.54	ND		12/21/2022 06:20
PFDoS	0.59	0.45	11.60	11.64	ND		12/21/2022 06:20
PFTDA	0.15	0.26	11.19	11.21	ND		12/21/2022 06:20

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB1-0
 Lab Sample ID 10635405021
 Lab File ID B221222A_006
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.05g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.30	0.099	0.028	0.028	1	375-22-4		12/22/2022 06:01
PFPeA	ND	0.099	0.028	0.028	1	2706-90-3		12/22/2022 06:01
HFPO-DA	ND	0.099	0.028	0.028	1	13252-13-6		12/22/2022 06:01
PFBS	ND	0.088	0.026	0.026	1	375-73-5		12/22/2022 06:01
PFHxA	ND	0.099	0.027	0.027	1	307-24-4		12/22/2022 06:01
4:2 FTS	ND	0.093	0.023	0.023	1	757124-72-4		12/22/2022 06:01
PFPeS	ND	0.093	0.024	0.024	1	2706-91-4		12/22/2022 06:01
PFHpA	ND	0.099	0.034	0.034	1	375-85-9		12/22/2022 06:01
DONA	ND	0.094	0.036	0.036	1	919005-14-4		12/22/2022 06:01
PFHxS	ND	0.090	0.022	0.022	1	355-46-4		12/22/2022 06:01
PFOA	ND	0.099	0.031	0.031	1	335-67-1		12/22/2022 06:01
6:2 FTS	ND	0.094	0.041	0.041	1	27619-97-2		12/22/2022 06:01
PFHpS	ND	0.094	0.028	0.028	1	375-92-8		12/22/2022 06:01
PFNA	ND	0.099	0.031	0.031	1	375-95-1		12/22/2022 06:01
PFOSAm	ND	0.099	0.029	0.029	1	754-91-6		12/22/2022 06:01
PFOS	0.048 J	0.092	0.029	0.029	1	1763-23-1		12/22/2022 06:01
MeFOSA	ND	0.099	0.027	0.027	1	31506-32-8		12/22/2022 06:01
PFDA	ND	0.099	0.023	0.023	1	335-76-2		12/22/2022 06:01
EtFOSAm	ND	0.099	0.025	0.025	1	4151-50-2		12/22/2022 06:01
8:2 FTS	ND	0.095	0.043	0.043	1	39108-34-4		12/22/2022 06:01
9-CI-PF3ON	ND	0.092	0.025	0.025	1	756426-58-1		12/22/2022 06:01
PFNS	ND	0.095	0.034	0.034	1	68259-12-1		12/22/2022 06:01
PFUnDA	ND	0.099	0.030	0.030	1	2058-94-8		12/22/2022 06:01
NMeFOSAA	ND	0.099	0.028	0.028	1	2355-31-9		12/22/2022 06:01
NEtFOSAA	ND	0.099	0.040	0.040	1	2991-50-6		12/22/2022 06:01
PFDS	ND	0.095	0.028	0.028	1	335-77-3		12/22/2022 06:01
PFDOA	ND	0.099	0.033	0.033	1	307-55-1		12/22/2022 06:01
MeFOSE	ND	0.099	0.030	0.030	1	24448-09-7		12/22/2022 06:01
EtFOSE	ND	0.099	0.032	0.032	1	1691-99-2		12/22/2022 06:01
11-CI-PF3OUdS	ND	0.093	0.025	0.025	1	763051-92-9		12/22/2022 06:01
PFTTrDA	ND	0.099	0.032	0.032	1	72629-94-8		12/22/2022 06:01
PFDoS	ND	0.096	0.026	0.026	1	79780-39-5		12/22/2022 06:01
PFTDA	ND	0.099	0.034	0.034	1	376-06-7		12/22/2022 06:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB1-0
 Lab Sample ID 10635405021
 Lab File ID B221222A_006
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.05g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.99	0.81	82	25-150		12/22/2022 06:01
13C5 PFPeA	0.99	0.80	81	25-150		12/22/2022 06:01
13C3 PFBS	0.92	0.75	82	25-150		12/22/2022 06:01
13C2 4:2FTS	0.93	0.86	93	25-150		12/22/2022 06:01
13C5 PFHxA	0.99	0.78	79	25-150		12/22/2022 06:01
13C4 PFHpA	0.99	0.75	76	25-150		12/22/2022 06:01
13C3 PFHxS	0.94	0.82	88	25-150		12/22/2022 06:01
13C2 6:2FTS	0.94	0.78	83	25-150		12/22/2022 06:01
13C8 PFOA	0.99	0.78	79	25-150		12/22/2022 06:01
13C9 PFNA	0.99	0.85	85	25-150		12/22/2022 06:01
13C8 PFOS	0.95	0.79	83	25-150		12/22/2022 06:01
13C2 8:2FTS	0.95	0.84	88	25-150		12/22/2022 06:01
13C6 PFDA	0.99	0.88	88	25-150		12/22/2022 06:01
d3-MeFOSAA	0.99	0.78	79	25-150		12/22/2022 06:01
13C8 PFOSA	0.99	0.79	80	25-150		12/22/2022 06:01
d5-EtFOSAA	0.99	0.88	89	25-150		12/22/2022 06:01
13C7 PFUdA	0.99	0.91	92	25-150		12/22/2022 06:01
13C2 PFDoA	0.99	0.88	89	25-150		12/22/2022 06:01
13C2 PFTeDA	0.99	0.78	79	25-150		12/22/2022 06:01
13C3 HFPO-DA	0.99	0.80	81	25-150		12/22/2022 06:01
d7-N-MeFOSE	0.99	0.70	71	10-150		12/22/2022 06:01
d9-N-EtFOSE	0.99	0.74	75	10-150		12/22/2022 06:01
d3-N-MeFOSA	0.99	0.71	72	10-150		12/22/2022 06:01
d5-N-EtFOSA	0.99	0.67	68	10-150		12/22/2022 06:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB1-0
 Lab Sample ID 10635405021
 Lab File ID B221222A_006
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.05g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.20	19		12/22/2022 06:01
13C5 PFPeA	N/A	N/A	5.04	5.06	24		12/22/2022 06:01
13C3 PFBS	N/A	N/A	6.00	6.05	19		12/22/2022 06:01
13C2 4:2FTS	N/A	N/A	5.45	5.50	70		12/22/2022 06:01
13C5 PFHxA	N/A	N/A	5.74	5.78	17		12/22/2022 06:01
13C4 PFHpA	N/A	N/A	6.41	6.45	19		12/22/2022 06:01
13C3 PFHxS	N/A	N/A	7.52	7.50	28		12/22/2022 06:01
13C2 6:2FTS	N/A	N/A	6.74	6.77	14		12/22/2022 06:01
13C8 PFOA	N/A	N/A	7.09	7.13	27		12/22/2022 06:01
13C9 PFNA	N/A	N/A	7.76	7.78	20		12/22/2022 06:01
13C8 PFOS	N/A	N/A	8.95	8.98	18		12/22/2022 06:01
13C2 8:2FTS	N/A	N/A	8.05	8.07	26		12/22/2022 06:01
13C6 PFDA	N/A	N/A	8.44	8.46	14		12/22/2022 06:01
d3-MeFOSAA	N/A	N/A	8.30	8.31	20		12/22/2022 06:01
13C8 PFOSA	N/A	N/A	10.59	10.62	11		12/22/2022 06:01
d5-EtFOSAA	N/A	N/A	8.59	8.61	15		12/22/2022 06:01
13C7 PFUdA	N/A	N/A	9.13	9.16	23		12/22/2022 06:01
13C2 PFDaA	N/A	N/A	9.82	9.85	13		12/22/2022 06:01
13C2 PFTeDA	N/A	N/A	11.17	11.21	13		12/22/2022 06:01
13C3 HFPO-DA	N/A	N/A	6.02	6.03	20		12/22/2022 06:01
d7-N-MeFOSE	N/A	N/A	12.52	12.54	45		12/22/2022 06:01
d9-N-EtFOSE	N/A	N/A	12.99	13.00	30		12/22/2022 06:01
d3-N-MeFOSA	N/A	N/A	12.72	12.73	66		12/22/2022 06:01
d5-N-EtFOSA	N/A	N/A	13.14	13.15	72		12/22/2022 06:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB1-0
 Lab Sample ID 10635405021
 Lab File ID B221222A_006
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.05g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.20	23		12/22/2022 06:01
PFPeA	N/A	N/A	5.05	5.06	ND		12/22/2022 06:01
HFPO-DA	0.55	0.29	6.03	6.04	ND		12/22/2022 06:01
PFBS	0.45	0.42	6.01	6.03	ND		12/22/2022 06:01
PFHxA	0.40	0.08	5.75	5.76	ND		12/22/2022 06:01
4:2 FTS	0.00	0.82	0.00	5.50	ND		12/22/2022 06:01
PFPeS	0.00	0.36	0.00	6.83	ND		12/22/2022 06:01
PFHpA	0.32	0.28	6.42	6.46	ND		12/22/2022 06:01
DONA	0.00	0.52	0.00	6.70	ND		12/22/2022 06:01
PFHxS	0.44	0.36	7.52	7.58	ND		12/22/2022 06:01
PFOA	0.26	0.39	7.09	7.11	ND		12/22/2022 06:01
6:2 FTS	0.00	0.82	0.00	6.76	ND		12/22/2022 06:01
PFHpS	0.00	0.38	0.00	8.27	ND		12/22/2022 06:01
PFNA	0.26	0.15	7.75	7.79	ND		12/22/2022 06:01
PFOSAm	N/A	N/A	10.60	10.71	ND		12/22/2022 06:01
PFOS	0.39	0.39	8.96	9.11	15	J	12/22/2022 06:01
MeFOSA	0.00	0.58	0.00	12.78	ND		12/22/2022 06:01
PFDA	0.00	0.16	0.00	8.53	ND		12/22/2022 06:01
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/22/2022 06:01
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/22/2022 06:01
9-CI-PF3ON	0.00	0.06	0.00	9.49	ND		12/22/2022 06:01
PFNS	0.00	0.47	0.00	9.68	ND		12/22/2022 06:01
PFUnDA	0.00	0.12	0.00	9.17	ND		12/22/2022 06:01
NMeFOSAA	0.00	0.91	0.00	8.32	ND		12/22/2022 06:01
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/22/2022 06:01
PFDS	0.00	0.29	0.00	10.37	ND		12/22/2022 06:01
PFDOA	0.00	0.16	0.00	9.86	ND		12/22/2022 06:01
MeFOSE	N/A	N/A	0.00	12.59	ND		12/22/2022 06:01
EtFOSE	0.00	0.00	13.03	13.04	ND		12/22/2022 06:01
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/22/2022 06:01
PFTTrDA	0.00	0.15	0.00	10.54	ND		12/22/2022 06:01
PFDoS	0.00	0.45	0.00	11.64	ND		12/22/2022 06:01
PFTDA	0.26	0.24	11.19	11.21	ND		12/22/2022 06:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB2-0
 Lab Sample ID 10635405022
 Lab File ID B221222A_007
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	0.031 J	0.095	0.027	0.027	1	375-22-4		12/22/2022 06:21
PFPeA	ND	0.095	0.027	0.027	1	2706-90-3		12/22/2022 06:21
HFPO-DA	ND	0.095	0.027	0.027	1	13252-13-6		12/22/2022 06:21
PFBS	ND	0.084	0.025	0.025	1	375-73-5		12/22/2022 06:21
PFHxA	ND	0.095	0.026	0.026	1	307-24-4		12/22/2022 06:21
4:2 FTS	ND	0.089	0.022	0.022	1	757124-72-4		12/22/2022 06:21
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/22/2022 06:21
PFHpA	ND	0.095	0.033	0.033	1	375-85-9		12/22/2022 06:21
DONA	ND	0.090	0.035	0.035	1	919005-14-4		12/22/2022 06:21
PFHxS	ND	0.087	0.021	0.021	1	355-46-4		12/22/2022 06:21
PFOA	ND	0.095	0.030	0.030	1	335-67-1		12/22/2022 06:21
6:2 FTS	ND	0.091	0.039	0.039	1	27619-97-2		12/22/2022 06:21
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/22/2022 06:21
PFNA	ND	0.095	0.030	0.030	1	375-95-1		12/22/2022 06:21
PFOSAm	ND	0.095	0.028	0.028	1	754-91-6		12/22/2022 06:21
PFOS	0.28	0.088	0.028	0.028	1	1763-23-1		12/22/2022 06:21
MeFOSA	ND	0.095	0.026	0.026	1	31506-32-8		12/22/2022 06:21
PFDA	ND	0.095	0.022	0.022	1	335-76-2		12/22/2022 06:21
EtFOSAm	ND	0.095	0.024	0.024	1	4151-50-2		12/22/2022 06:21
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/22/2022 06:21
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/22/2022 06:21
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/22/2022 06:21
PFUnDA	ND	0.095	0.029	0.029	1	2058-94-8		12/22/2022 06:21
NMeFOSAA	ND	0.095	0.027	0.027	1	2355-31-9		12/22/2022 06:21
NEtFOSAA	ND	0.095	0.038	0.038	1	2991-50-6		12/22/2022 06:21
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/22/2022 06:21
PFDOA	ND	0.095	0.031	0.031	1	307-55-1		12/22/2022 06:21
MeFOSE	ND	0.095	0.029	0.029	1	24448-09-7		12/22/2022 06:21
EtFOSE	ND	0.095	0.031	0.031	1	1691-99-2		12/22/2022 06:21
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/22/2022 06:21
PFTTrDA	ND	0.095	0.030	0.030	1	72629-94-8		12/22/2022 06:21
PFDoS	ND	0.092	0.025	0.025	1	79780-39-5		12/22/2022 06:21
PFTDA	ND	0.095	0.033	0.033	1	376-06-7		12/22/2022 06:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-DB2-0	Total Amount Extracted	5.24g
Lab Sample ID	10635405022	Ical ID	221219A02
Lab File ID	B221222A_007	CCal File	B221222A_002
Matrix	Solid	Ending CCal File	B221222A_014
Collected	11/28/2022 00:00	Blank File	B221222A_004
Received	12/01/2022 08:50		
Extraction Date	12/16/2022 09:14		

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.95	0.86	90	25-150		12/22/2022 06:21
13C5 PFPeA	0.95	0.84	88	25-150		12/22/2022 06:21
13C3 PFBS	0.89	0.75	85	25-150		12/22/2022 06:21
13C2 4:2FTS	0.89	0.83	93	25-150		12/22/2022 06:21
13C5 PFHxA	0.95	0.82	86	25-150		12/22/2022 06:21
13C4 PFHpA	0.95	0.81	85	25-150		12/22/2022 06:21
13C3 PFHxS	0.90	0.85	94	25-150		12/22/2022 06:21
13C2 6:2FTS	0.90	0.77	85	25-150		12/22/2022 06:21
13C8 PFOA	0.95	0.79	83	25-150		12/22/2022 06:21
13C9 PFNA	0.95	0.90	94	25-150		12/22/2022 06:21
13C8 PFOS	0.91	0.80	87	25-150		12/22/2022 06:21
13C2 8:2FTS	0.91	0.79	87	25-150		12/22/2022 06:21
13C6 PFDA	0.95	0.85	89	25-150		12/22/2022 06:21
d3-MeFOSAA	0.95	0.83	87	25-150		12/22/2022 06:21
13C8 PFOSA	0.95	0.84	88	25-150		12/22/2022 06:21
d5-EtFOSAA	0.95	0.81	85	25-150		12/22/2022 06:21
13C7 PFUdA	0.95	0.93	98	25-150		12/22/2022 06:21
13C2 PFDoA	0.95	0.83	87	25-150		12/22/2022 06:21
13C2 PFTeDA	0.95	0.84	88	25-150		12/22/2022 06:21
13C3 HFPO-DA	0.95	0.85	89	25-150		12/22/2022 06:21
d7-N-MeFOSE	0.95	0.83	87	10-150		12/22/2022 06:21
d9-N-EtFOSE	0.95	0.80	84	10-150		12/22/2022 06:21
d3-N-MeFOSA	0.95	0.80	84	10-150		12/22/2022 06:21
d5-N-EtFOSA	0.95	0.80	84	10-150		12/22/2022 06:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB2-0
 Lab Sample ID 10635405022
 Lab File ID B221222A_007
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.20	24		12/22/2022 06:21
13C5 PFPeA	N/A	N/A	5.04	5.06	24		12/22/2022 06:21
13C3 PFBS	N/A	N/A	6.01	6.05	20		12/22/2022 06:21
13C2 4:2FTS	N/A	N/A	5.46	5.50	74		12/22/2022 06:21
13C5 PFHxA	N/A	N/A	5.74	5.78	23		12/22/2022 06:21
13C4 PFHpA	N/A	N/A	6.42	6.45	19		12/22/2022 06:21
13C3 PFHxS	N/A	N/A	7.53	7.50	28		12/22/2022 06:21
13C2 6:2FTS	N/A	N/A	6.74	6.77	10		12/22/2022 06:21
13C8 PFOA	N/A	N/A	7.09	7.13	26		12/22/2022 06:21
13C9 PFNA	N/A	N/A	7.76	7.78	24		12/22/2022 06:21
13C8 PFOS	N/A	N/A	8.95	8.98	11		12/22/2022 06:21
13C2 8:2FTS	N/A	N/A	8.05	8.07	10		12/22/2022 06:21
13C6 PFDA	N/A	N/A	8.44	8.46	13		12/22/2022 06:21
d3-MeFOSAA	N/A	N/A	8.29	8.31	15		12/22/2022 06:21
13C8 PFOSA	N/A	N/A	10.58	10.62	12		12/22/2022 06:21
d5-EtFOSAA	N/A	N/A	8.59	8.61	16		12/22/2022 06:21
13C7 PFUdA	N/A	N/A	9.13	9.16	21		12/22/2022 06:21
13C2 PFDoA	N/A	N/A	9.82	9.85	12		12/22/2022 06:21
13C2 PFTeDA	N/A	N/A	11.17	11.21	14		12/22/2022 06:21
13C3 HFPO-DA	N/A	N/A	6.02	6.03	15		12/22/2022 06:21
d7-N-MeFOSE	N/A	N/A	12.51	12.54	47		12/22/2022 06:21
d9-N-EtFOSE	N/A	N/A	12.98	13.00	35		12/22/2022 06:21
d3-N-MeFOSA	N/A	N/A	12.71	12.73	63		12/22/2022 06:21
d5-N-EtFOSA	N/A	N/A	13.13	13.15	83		12/22/2022 06:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB2-0
 Lab Sample ID 10635405022
 Lab File ID B221222A_007
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.24g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.20	82	J	12/22/2022 06:21
PFPeA	N/A	N/A	5.05	5.06	ND		12/22/2022 06:21
HFPO-DA	0.40	0.29	6.03	6.04	ND		12/22/2022 06:21
PFBS	0.39	0.42	6.01	6.03	ND		12/22/2022 06:21
PFHxA	0.09	0.08	5.75	5.76	ND		12/22/2022 06:21
4:2 FTS	0.00	0.82	0.00	5.50	ND		12/22/2022 06:21
PFPeS	0.00	0.36	0.00	6.83	ND		12/22/2022 06:21
PFHpA	0.26	0.28	6.43	6.46	ND		12/22/2022 06:21
DONA	0.45	0.52	6.67	6.70	ND		12/22/2022 06:21
PFHxS	0.45	0.36	7.53	7.58	ND		12/22/2022 06:21
PFOA	0.46	0.39	7.10	7.11	ND		12/22/2022 06:21
6:2 FTS	0.00	0.82	0.00	6.76	ND		12/22/2022 06:21
PFHpS	0.00	0.38	0.00	8.27	ND		12/22/2022 06:21
PFNA	0.16	0.15	7.77	7.79	ND		12/22/2022 06:21
PFOSAm	N/A	N/A	10.59	10.71	ND		12/22/2022 06:21
PFOS	0.40	0.39	8.96	9.11	67		12/22/2022 06:21
MeFOSA	0.00	0.58	0.00	12.78	ND		12/22/2022 06:21
PFDA	0.16	0.16	8.45	8.53	ND		12/22/2022 06:21
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/22/2022 06:21
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/22/2022 06:21
9-CI-PF3ON	0.00	0.06	0.00	9.49	ND		12/22/2022 06:21
PFNS	0.28	0.47	9.64	9.68	ND		12/22/2022 06:21
PFUnDA	0.12	0.12	9.14	9.17	ND		12/22/2022 06:21
NMeFOSAA	1.00	0.91	8.29	8.32	ND		12/22/2022 06:21
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/22/2022 06:21
PFDS	0.38	0.29	10.33	10.37	ND		12/22/2022 06:21
PFDOA	0.16	0.16	9.83	9.86	ND		12/22/2022 06:21
MeFOSE	N/A	N/A	0.00	12.59	ND		12/22/2022 06:21
EtFOSE	0.00	0.00	0.00	13.04	ND		12/22/2022 06:21
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/22/2022 06:21
PFTTrDA	0.16	0.15	10.51	10.54	ND		12/22/2022 06:21
PFDoS	0.52	0.45	11.58	11.64	ND		12/22/2022 06:21
PFTDA	0.31	0.24	11.17	11.21	ND		12/22/2022 06:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB3-0
 Lab Sample ID 10635405023
 Lab File ID B221222A_008
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.23g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.096	0.027	0.027	1	375-22-4		12/22/2022 06:41
PFPeA	ND	0.096	0.027	0.027	1	2706-90-3		12/22/2022 06:41
HFPO-DA	ND	0.096	0.027	0.027	1	13252-13-6		12/22/2022 06:41
PFBS	ND	0.085	0.025	0.025	1	375-73-5		12/22/2022 06:41
PFHxA	ND	0.096	0.026	0.026	1	307-24-4		12/22/2022 06:41
4:2 FTS	ND	0.089	0.022	0.022	1	757124-72-4		12/22/2022 06:41
PFPeS	ND	0.090	0.023	0.023	1	2706-91-4		12/22/2022 06:41
PFHpA	ND	0.096	0.033	0.033	1	375-85-9		12/22/2022 06:41
DONA	ND	0.090	0.035	0.035	1	919005-14-4		12/22/2022 06:41
PFHxS	ND	0.087	0.021	0.021	1	355-46-4		12/22/2022 06:41
PFOA	ND	0.096	0.030	0.030	1	335-67-1		12/22/2022 06:41
6:2 FTS	ND	0.091	0.040	0.040	1	27619-97-2		12/22/2022 06:41
PFHpS	ND	0.091	0.027	0.027	1	375-92-8		12/22/2022 06:41
PFNA	ND	0.096	0.030	0.030	1	375-95-1		12/22/2022 06:41
PFOSAm	ND	0.096	0.028	0.028	1	754-91-6		12/22/2022 06:41
PFOS	0.074 J	0.088	0.028	0.028	1	1763-23-1		12/22/2022 06:41
MeFOSA	ND	0.096	0.026	0.026	1	31506-32-8		12/22/2022 06:41
PFDA	ND	0.096	0.022	0.022	1	335-76-2		12/22/2022 06:41
EtFOSAm	ND	0.096	0.024	0.024	1	4151-50-2		12/22/2022 06:41
8:2 FTS	ND	0.092	0.042	0.042	1	39108-34-4		12/22/2022 06:41
9-CI-PF3ON	ND	0.089	0.024	0.024	1	756426-58-1		12/22/2022 06:41
PFNS	ND	0.092	0.033	0.033	1	68259-12-1		12/22/2022 06:41
PFUnDA	ND	0.096	0.029	0.029	1	2058-94-8		12/22/2022 06:41
NMeFOSAA	ND	0.096	0.027	0.027	1	2355-31-9		12/22/2022 06:41
NEtFOSAA	ND	0.096	0.038	0.038	1	2991-50-6		12/22/2022 06:41
PFDS	ND	0.092	0.027	0.027	1	335-77-3		12/22/2022 06:41
PFDOA	ND	0.096	0.031	0.031	1	307-55-1		12/22/2022 06:41
MeFOSE	ND	0.096	0.029	0.029	1	24448-09-7		12/22/2022 06:41
EtFOSE	ND	0.096	0.031	0.031	1	1691-99-2		12/22/2022 06:41
11-CI-PF3OUdS	ND	0.090	0.024	0.024	1	763051-92-9		12/22/2022 06:41
PFTTrDA	ND	0.096	0.030	0.030	1	72629-94-8		12/22/2022 06:41
PFDoS	ND	0.092	0.025	0.025	1	79780-39-5		12/22/2022 06:41
PFTDA	ND	0.096	0.033	0.033	1	376-06-7		12/22/2022 06:41

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB3-0
 Lab Sample ID 10635405023
 Lab File ID B221222A_008
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.23g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.96	0.91	95	25-150		12/22/2022 06:41
13C5 PFPeA	0.96	0.91	96	25-150		12/22/2022 06:41
13C3 PFBS	0.89	0.87	98	25-150		12/22/2022 06:41
13C2 4:2FTS	0.89	0.92	103	25-150		12/22/2022 06:41
13C5 PFHxA	0.96	0.91	96	25-150		12/22/2022 06:41
13C4 PFHpA	0.96	0.89	93	25-150		12/22/2022 06:41
13C3 PFHxS	0.90	0.90	100	25-150		12/22/2022 06:41
13C2 6:2FTS	0.91	0.88	97	25-150		12/22/2022 06:41
13C8 PFOA	0.96	0.84	88	25-150		12/22/2022 06:41
13C9 PFNA	0.96	0.97	102	25-150		12/22/2022 06:41
13C8 PFOS	0.91	0.90	98	25-150		12/22/2022 06:41
13C2 8:2FTS	0.92	0.84	92	25-150		12/22/2022 06:41
13C6 PFDA	0.96	0.98	102	25-150		12/22/2022 06:41
d3-MeFOSAA	0.96	0.82	86	25-150		12/22/2022 06:41
13C8 PFOSA	0.96	0.94	99	25-150		12/22/2022 06:41
d5-EtFOSAA	0.96	0.96	100	25-150		12/22/2022 06:41
13C7 PFUdA	0.96	0.98	103	25-150		12/22/2022 06:41
13C2 PFDoA	0.96	0.94	98	25-150		12/22/2022 06:41
13C2 PFTeDA	0.96	0.87	91	25-150		12/22/2022 06:41
13C3 HFPO-DA	0.96	0.89	93	25-150		12/22/2022 06:41
d7-N-MeFOSE	0.96	0.87	91	10-150		12/22/2022 06:41
d9-N-EtFOSE	0.96	1.0	106	10-150		12/22/2022 06:41
d3-N-MeFOSA	0.96	0.84	88	10-150		12/22/2022 06:41
d5-N-EtFOSA	0.96	0.86	90	10-150		12/22/2022 06:41

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB3-0
 Lab Sample ID 10635405023
 Lab File ID B221222A_008
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.23g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.20	23		12/22/2022 06:41
13C5 PFPeA	N/A	N/A	5.04	5.06	29		12/22/2022 06:41
13C3 PFBS	N/A	N/A	6.00	6.05	21		12/22/2022 06:41
13C2 4:2FTS	N/A	N/A	5.45	5.50	84		12/22/2022 06:41
13C5 PFHxA	N/A	N/A	5.74	5.78	17		12/22/2022 06:41
13C4 PFHpA	N/A	N/A	6.42	6.45	19		12/22/2022 06:41
13C3 PFHxS	N/A	N/A	7.52	7.50	38		12/22/2022 06:41
13C2 6:2FTS	N/A	N/A	6.74	6.77	24		12/22/2022 06:41
13C8 PFOA	N/A	N/A	7.09	7.13	21		12/22/2022 06:41
13C9 PFNA	N/A	N/A	7.76	7.78	25		12/22/2022 06:41
13C8 PFOS	N/A	N/A	8.94	8.98	23		12/22/2022 06:41
13C2 8:2FTS	N/A	N/A	8.05	8.07	27		12/22/2022 06:41
13C6 PFDA	N/A	N/A	8.44	8.46	12		12/22/2022 06:41
d3-MeFOSAA	N/A	N/A	8.30	8.31	27		12/22/2022 06:41
13C8 PFOSA	N/A	N/A	10.58	10.62	10		12/22/2022 06:41
d5-EtFOSAA	N/A	N/A	8.59	8.61	22		12/22/2022 06:41
13C7 PFUdA	N/A	N/A	9.13	9.16	28		12/22/2022 06:41
13C2 PFDaA	N/A	N/A	9.81	9.85	12		12/22/2022 06:41
13C2 PFTeDA	N/A	N/A	11.16	11.21	10		12/22/2022 06:41
13C3 HFPO-DA	N/A	N/A	6.02	6.03	19		12/22/2022 06:41
d7-N-MeFOSE	N/A	N/A	12.51	12.54	45		12/22/2022 06:41
d9-N-EtFOSE	N/A	N/A	12.98	13.00	43		12/22/2022 06:41
d3-N-MeFOSA	N/A	N/A	12.71	12.73	52		12/22/2022 06:41
d5-N-EtFOSA	N/A	N/A	13.14	13.15	89		12/22/2022 06:41

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-DB3-0
 Lab Sample ID 10635405023
 Lab File ID B221222A_008
 Matrix Solid
 Collected 11/28/2022 00:00
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.23g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.20	ND		12/22/2022 06:41
PFPeA	N/A	N/A	5.05	5.06	ND		12/22/2022 06:41
HFPO-DA	0.45	0.29	6.03	6.04	ND		12/22/2022 06:41
PFBS	0.68	0.42	6.01	6.03	ND		12/22/2022 06:41
PFHxA	0.08	0.08	5.75	5.76	ND		12/22/2022 06:41
4:2 FTS	0.00	0.82	0.00	5.50	ND		12/22/2022 06:41
PFPeS	0.00	0.36	0.00	6.83	ND		12/22/2022 06:41
PFHpA	0.25	0.28	6.43	6.46	ND		12/22/2022 06:41
DONA	0.00	0.52	0.00	6.70	ND		12/22/2022 06:41
PFHxS	0.45	0.36	7.53	7.58	ND		12/22/2022 06:41
PFOA	0.38	0.39	7.05	7.11	ND		12/22/2022 06:41
6:2 FTS	0.00	0.82	0.00	6.76	ND		12/22/2022 06:41
PFHpS	0.00	0.38	0.00	8.27	ND		12/22/2022 06:41
PFNA	0.20	0.15	7.77	7.79	ND		12/22/2022 06:41
PFOSAm	N/A	N/A	10.58	10.71	ND		12/22/2022 06:41
PFOS	0.48	0.39	8.95	9.11	49	J	12/22/2022 06:41
MeFOSA	0.00	0.58	0.00	12.78	ND		12/22/2022 06:41
PFDA	0.22	0.16	8.45	8.53	ND		12/22/2022 06:41
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/22/2022 06:41
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/22/2022 06:41
9-CI-PF3ON	0.00	0.06	0.00	9.49	ND		12/22/2022 06:41
PFNS	0.00	0.47	0.00	9.68	ND		12/22/2022 06:41
PFUnDA	0.18	0.12	9.13	9.17	ND		12/22/2022 06:41
NMeFOSAA	0.00	0.91	0.00	8.32	ND		12/22/2022 06:41
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/22/2022 06:41
PFDS	0.00	0.29	0.00	10.37	ND		12/22/2022 06:41
PFDOA	0.13	0.16	9.83	9.86	ND		12/22/2022 06:41
MeFOSE	N/A	N/A	0.00	12.59	ND		12/22/2022 06:41
EtFOSE	0.00	0.00	0.00	13.04	ND		12/22/2022 06:41
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/22/2022 06:41
PFTTrDA	0.20	0.15	10.51	10.54	ND		12/22/2022 06:41
PFDoS	0.00	0.45	0.00	11.64	ND		12/22/2022 06:41
PFTDA	0.12	0.24	11.16	11.21	ND		12/22/2022 06:41

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB23-24-0
 Lab Sample ID 10635405024
 Lab File ID B221222A_009
 Matrix Solid
 Collected 11/29/2022 10:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.42g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.092	0.026	0.026	1	375-22-4		12/22/2022 07:01
PFPeA	ND	0.092	0.026	0.026	1	2706-90-3		12/22/2022 07:01
HFPO-DA	ND	0.092	0.026	0.026	1	13252-13-6		12/22/2022 07:01
PFBS	ND	0.082	0.024	0.024	1	375-73-5		12/22/2022 07:01
PFHxA	ND	0.092	0.025	0.025	1	307-24-4		12/22/2022 07:01
4:2 FTS	ND	0.086	0.021	0.021	1	757124-72-4		12/22/2022 07:01
PFPeS	ND	0.087	0.022	0.022	1	2706-91-4		12/22/2022 07:01
PFHpA	ND	0.092	0.032	0.032	1	375-85-9		12/22/2022 07:01
DONA	ND	0.087	0.033	0.033	1	919005-14-4		12/22/2022 07:01
PFHxS	ND	0.084	0.020	0.020	1	355-46-4		12/22/2022 07:01
PFOA	ND	0.092	0.029	0.029	1	335-67-1		12/22/2022 07:01
6:2 FTS	ND	0.088	0.038	0.038	1	27619-97-2		12/22/2022 07:01
PFHpS	ND	0.088	0.026	0.026	1	375-92-8		12/22/2022 07:01
PFNA	ND	0.092	0.029	0.029	1	375-95-1		12/22/2022 07:01
PFOSAm	ND	0.092	0.027	0.027	1	754-91-6		12/22/2022 07:01
PFOS	ND	0.085	0.027	0.027	1	1763-23-1		12/22/2022 07:01
MeFOSA	ND	0.092	0.025	0.025	1	31506-32-8		12/22/2022 07:01
PFDA	ND	0.092	0.021	0.021	1	335-76-2		12/22/2022 07:01
EtFOSAm	ND	0.092	0.024	0.024	1	4151-50-2		12/22/2022 07:01
8:2 FTS	ND	0.088	0.040	0.040	1	39108-34-4		12/22/2022 07:01
9-CI-PF3ON	ND	0.086	0.023	0.023	1	756426-58-1		12/22/2022 07:01
PFNS	ND	0.088	0.032	0.032	1	68259-12-1		12/22/2022 07:01
PFUnDA	ND	0.092	0.028	0.028	1	2058-94-8		12/22/2022 07:01
NMeFOSAA	ND	0.092	0.026	0.026	1	2355-31-9		12/22/2022 07:01
NEtFOSAA	ND	0.092	0.037	0.037	1	2991-50-6		12/22/2022 07:01
PFDS	ND	0.089	0.026	0.026	1	335-77-3		12/22/2022 07:01
PFDOA	ND	0.092	0.030	0.030	1	307-55-1		12/22/2022 07:01
MeFOSE	ND	0.092	0.028	0.028	1	24448-09-7		12/22/2022 07:01
EtFOSE	ND	0.092	0.030	0.030	1	1691-99-2		12/22/2022 07:01
11-CI-PF3OUdS	ND	0.087	0.023	0.023	1	763051-92-9		12/22/2022 07:01
PFTTrDA	ND	0.092	0.029	0.029	1	72629-94-8		12/22/2022 07:01
PFDoS	ND	0.089	0.024	0.024	1	79780-39-5		12/22/2022 07:01
PFTDA	ND	0.092	0.032	0.032	1	376-06-7		12/22/2022 07:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB23-24-0
 Lab Sample ID 10635405024
 Lab File ID B221222A_009
 Matrix Solid
 Collected 11/29/2022 10:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.42g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	0.92	0.94	102	25-150		12/22/2022 07:01
13C5 PFPeA	0.92	0.90	97	25-150		12/22/2022 07:01
13C3 PFBS	0.86	0.81	95	25-150		12/22/2022 07:01
13C2 4:2FTS	0.86	0.85	98	25-150		12/22/2022 07:01
13C5 PFHxA	0.92	0.88	95	25-150		12/22/2022 07:01
13C4 PFHpA	0.92	0.86	93	25-150		12/22/2022 07:01
13C3 PFHxS	0.87	0.91	104	25-150		12/22/2022 07:01
13C2 6:2FTS	0.87	0.86	98	25-150		12/22/2022 07:01
13C8 PFOA	0.92	0.89	97	25-150		12/22/2022 07:01
13C9 PFNA	0.92	0.99	107	25-150		12/22/2022 07:01
13C8 PFOS	0.88	0.81	92	25-150		12/22/2022 07:01
13C2 8:2FTS	0.88	0.85	96	25-150		12/22/2022 07:01
13C6 PFDA	0.92	0.86	93	25-150		12/22/2022 07:01
d3-MeFOSAA	0.92	0.89	96	25-150		12/22/2022 07:01
13C8 PFOSA	0.92	0.89	97	25-150		12/22/2022 07:01
d5-EtFOSAA	0.92	0.92	100	25-150		12/22/2022 07:01
13C7 PFUdA	0.92	0.92	100	25-150		12/22/2022 07:01
13C2 PFDoA	0.92	0.98	106	25-150		12/22/2022 07:01
13C2 PFTeDA	0.92	0.83	90	25-150		12/22/2022 07:01
13C3 HFPO-DA	0.92	0.92	100	25-150		12/22/2022 07:01
d7-N-MeFOSE	0.92	0.65	71	10-150		12/22/2022 07:01
d9-N-EtFOSE	0.92	0.64	69	10-150		12/22/2022 07:01
d3-N-MeFOSA	0.92	0.16	18	10-150		12/22/2022 07:01
d5-N-EtFOSA	0.92	0.12	13	10-150		12/22/2022 07:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB23-24-0
 Lab Sample ID 10635405024
 Lab File ID B221222A_009
 Matrix Solid
 Collected 11/29/2022 10:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.42g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.20	23		12/22/2022 07:01
13C5 PFPeA	N/A	N/A	5.04	5.06	24		12/22/2022 07:01
13C3 PFBS	N/A	N/A	6.00	6.05	24		12/22/2022 07:01
13C2 4:2FTS	N/A	N/A	5.45	5.50	89		12/22/2022 07:01
13C5 PFHxA	N/A	N/A	5.74	5.78	17		12/22/2022 07:01
13C4 PFHpA	N/A	N/A	6.42	6.45	17		12/22/2022 07:01
13C3 PFHxS	N/A	N/A	7.53	7.50	37		12/22/2022 07:01
13C2 6:2FTS	N/A	N/A	6.75	6.77	31		12/22/2022 07:01
13C8 PFOA	N/A	N/A	7.10	7.13	23		12/22/2022 07:01
13C9 PFNA	N/A	N/A	7.77	7.78	23		12/22/2022 07:01
13C8 PFOS	N/A	N/A	8.95	8.98	21		12/22/2022 07:01
13C2 8:2FTS	N/A	N/A	8.06	8.07	57		12/22/2022 07:01
13C6 PFDA	N/A	N/A	8.45	8.46	12		12/22/2022 07:01
d3-MeFOSAA	N/A	N/A	8.30	8.31	37		12/22/2022 07:01
13C8 PFOSA	N/A	N/A	10.58	10.62	11		12/22/2022 07:01
d5-EtFOSAA	N/A	N/A	8.60	8.61	16		12/22/2022 07:01
13C7 PFUdA	N/A	N/A	9.13	9.16	24		12/22/2022 07:01
13C2 PFDaA	N/A	N/A	9.82	9.85	14		12/22/2022 07:01
13C2 PFTeDA	N/A	N/A	11.16	11.21	15		12/22/2022 07:01
13C3 HFPO-DA	N/A	N/A	6.02	6.03	19		12/22/2022 07:01
d7-N-MeFOSE	N/A	N/A	12.51	12.54	43		12/22/2022 07:01
d9-N-EtFOSE	N/A	N/A	12.98	13.00	35		12/22/2022 07:01
d3-N-MeFOSA	N/A	N/A	12.71	12.73	46		12/22/2022 07:01
d5-N-EtFOSA	N/A	N/A	13.13	13.15	47		12/22/2022 07:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-SB23-24-0
 Lab Sample ID 10635405024
 Lab File ID B221222A_009
 Matrix Solid
 Collected 11/29/2022 10:30
 Received 12/01/2022 08:50
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.42g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File B221222A_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.20	ND		12/22/2022 07:01
PFPeA	N/A	N/A	5.05	5.06	ND		12/22/2022 07:01
HFPO-DA	0.00	0.29	0.00	6.04	ND		12/22/2022 07:01
PFBS	0.46	0.42	6.01	6.03	ND		12/22/2022 07:01
PFHxA	0.00	0.08	0.00	5.76	ND		12/22/2022 07:01
4:2 FTS	0.00	0.82	0.00	5.50	ND		12/22/2022 07:01
PFPeS	0.00	0.36	0.00	6.83	ND		12/22/2022 07:01
PFHpA	0.41	0.28	6.43	6.46	ND		12/22/2022 07:01
DONA	0.00	0.52	0.00	6.70	ND		12/22/2022 07:01
PFHxS	0.00	0.36	0.00	7.58	ND		12/22/2022 07:01
PFOA	0.22	0.39	7.09	7.11	ND		12/22/2022 07:01
6:2 FTS	0.00	0.82	0.00	6.76	ND		12/22/2022 07:01
PFHpS	0.00	0.38	0.00	8.27	ND		12/22/2022 07:01
PFNA	0.18	0.15	7.77	7.79	ND		12/22/2022 07:01
PFOSAm	N/A	N/A	0.00	10.71	ND		12/22/2022 07:01
PFOS	0.44	0.39	8.96	9.11	ND		12/22/2022 07:01
MeFOSA	0.00	0.58	0.00	12.78	ND		12/22/2022 07:01
PFDA	0.11	0.16	8.46	8.53	ND		12/22/2022 07:01
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/22/2022 07:01
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/22/2022 07:01
9-Cl-PF3ON	0.00	0.06	0.00	9.49	ND		12/22/2022 07:01
PFNS	0.00	0.47	0.00	9.68	ND		12/22/2022 07:01
PFUnDA	0.00	0.12	0.00	9.17	ND		12/22/2022 07:01
NMeFOSAA	0.00	0.91	0.00	8.32	ND		12/22/2022 07:01
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/22/2022 07:01
PFDS	0.00	0.29	0.00	10.37	ND		12/22/2022 07:01
PFDOA	0.24	0.16	9.83	9.86	ND		12/22/2022 07:01
MeFOSE	N/A	N/A	0.00	12.59	ND		12/22/2022 07:01
EtFOSE	0.00	0.00	0.00	13.04	ND		12/22/2022 07:01
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/22/2022 07:01
PFTTrDA	0.00	0.15	0.00	10.54	ND		12/22/2022 07:01
PFDoS	0.00	0.45	0.00	11.64	ND		12/22/2022 07:01
PFTDA	0.00	0.24	0.00	11.21	ND		12/22/2022 07:01

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB1-0
 Lab Sample ID 10635405025
 Lab File ID B230103C_007
 Matrix Water
 Collected 11/28/2022 20:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 224mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.2	0.55	0.55	1	375-22-4		01/03/2023 20:10
PFPeA	ND	2.2	0.91	0.91	1	2706-90-3		01/03/2023 20:10
HFPO-DA	ND	2.2	0.55	0.55	1	13252-13-6		01/03/2023 20:10
PFBS	ND	2.0	0.54	0.54	1	375-73-5		01/03/2023 20:10
PFHxA	ND	2.2	1.0	1.0	1	307-24-4		01/03/2023 20:10
4:2 FTS	ND	2.1	0.52	0.52	1	757124-72-4		01/03/2023 20:10
PFPeS	ND	2.1	0.67	0.67	1	2706-91-4		01/03/2023 20:10
PFHpA	ND	2.2	0.77	0.77	1	375-85-9		01/03/2023 20:10
DONA	ND	2.1	1.0	1.0	1	919005-14-4		01/03/2023 20:10
PFHxS	ND	2.0	0.59	0.59	1	355-46-4		01/03/2023 20:10
PFOA	ND	2.2	0.96	0.96	1	335-67-1		01/03/2023 20:10
6:2 FTS	ND	2.1	0.75	0.75	1	27619-97-2		01/03/2023 20:10
PFHpS	ND	2.1	0.74	0.74	1	375-92-8		01/03/2023 20:10
PFNA	ND	2.2	0.88	0.88	1	375-95-1		01/03/2023 20:10
PFOSAm	ND	2.2	0.80	0.80	1	754-91-6		01/03/2023 20:10
PFOS	ND	2.1	0.74	0.74	1	1763-23-1		01/03/2023 20:10
MeFOSA	ND	2.2	0.62	0.62	1	31506-32-8		01/03/2023 20:10
PFDA	ND	2.2	0.68	0.68	1	335-76-2		01/03/2023 20:10
EtFOSAm	ND	2.2	0.64	0.64	1	4151-50-2		01/03/2023 20:10
8:2 FTS	ND	2.1	0.56	0.56	1	39108-34-4		01/03/2023 20:10
9-CI-PF3ON	ND	2.1	0.52	0.52	1	756426-58-1		01/03/2023 20:10
PFNS	ND	2.1	0.65	0.65	1	68259-12-1		01/03/2023 20:10
PFUnDA	ND	2.2	0.54	0.54	1	2058-94-8		01/03/2023 20:10
NMeFOSAA	ND	2.2	0.77	0.77	1	2355-31-9		01/03/2023 20:10
NEtFOSAA	ND	2.2	0.91	0.91	1	2991-50-6		01/03/2023 20:10
PFDS	ND	2.2	0.71	0.71	1	335-77-3		01/03/2023 20:10
PFDOA	ND	2.2	0.53	0.53	1	307-55-1		01/03/2023 20:10
MeFOSE	ND	2.2	0.58	0.58	1	24448-09-7		01/03/2023 20:10
EtFOSE	ND	2.2	0.99	0.99	1	1691-99-2		01/03/2023 20:10
11-CI-PF3OUdS	ND	2.1	0.62	0.62	1	763051-92-9		01/03/2023 20:10
PFTTrDA	ND	2.2	0.69	0.69	1	72629-94-8		01/03/2023 20:10
PFDoS	ND	2.2	0.66	0.66	1	79780-39-5		01/03/2023 20:10
PFTDA	ND	2.2	0.67	0.67	1	376-06-7		01/03/2023 20:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB1-0
 Lab Sample ID 10635405025
 Lab File ID B230103C_007
 Matrix Water
 Collected 11/28/2022 20:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 224mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	22	23	103	25-150		01/03/2023 20:10
13C5 PFPeA	22	22	98	25-150		01/03/2023 20:10
13C3 PFBS	21	21	101	25-150		01/03/2023 20:10
13C2 4:2FTS	21	22	107	25-150		01/03/2023 20:10
13C5 PFHxA	22	24	108	25-150		01/03/2023 20:10
13C4 PFHpA	22	21	96	25-150		01/03/2023 20:10
13C3 PFHxS	21	24	112	25-150		01/03/2023 20:10
13C2 6:2FTS	21	20	95	25-150		01/03/2023 20:10
13C8 PFOA	22	24	107	25-150		01/03/2023 20:10
13C9 PFNA	22	22	98	25-150		01/03/2023 20:10
13C8 PFOS	21	23	106	25-150		01/03/2023 20:10
13C2 8:2FTS	21	23	109	25-150		01/03/2023 20:10
13C6 PFDA	22	24	106	25-150		01/03/2023 20:10
d3-MeFOSAA	22	22	98	25-150		01/03/2023 20:10
13C8 PFOSA	22	20	88	25-150		01/03/2023 20:10
d5-EtFOSAA	22	21	92	25-150		01/03/2023 20:10
13C7 PFUdA	22	27	120	25-150		01/03/2023 20:10
13C2 PFDoA	22	25	113	25-150		01/03/2023 20:10
13C2 PFTeDA	22	22	100	25-150		01/03/2023 20:10
13C3 HFPO-DA	22	23	104	25-150		01/03/2023 20:10
d7-N-MeFOSE	22	19	86	10-150		01/03/2023 20:10
d9-N-EtFOSE	22	21	96	10-150		01/03/2023 20:10
d3-N-MeFOSA	22	14	65	10-150		01/03/2023 20:10
d5-N-EtFOSA	22	15	66	10-150		01/03/2023 20:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-EB1-0	Total Amount Extracted	224mL
Lab Sample ID	10635405025	Ical ID	230103A02
Lab File ID	B230103C_007	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/28/2022 20:00	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.14	26		01/03/2023 20:10
13C5 PFPeA	N/A	N/A	5.07	5.06	28		01/03/2023 20:10
13C3 PFBS	N/A	N/A	6.04	6.02	22		01/03/2023 20:10
13C2 4:2FTS	N/A	N/A	5.48	5.47	11		01/03/2023 20:10
13C5 PFHxA	N/A	N/A	5.77	5.76	22		01/03/2023 20:10
13C4 PFHpA	N/A	N/A	6.44	6.45	18		01/03/2023 20:10
13C3 PFHxS	N/A	N/A	7.52	7.54	23		01/03/2023 20:10
13C2 6:2FTS	N/A	N/A	6.76	6.77	24		01/03/2023 20:10
13C8 PFOA	N/A	N/A	7.09	7.11	27		01/03/2023 20:10
13C9 PFNA	N/A	N/A	7.74	7.78	21		01/03/2023 20:10
13C8 PFOS	N/A	N/A	8.88	8.96	17		01/03/2023 20:10
13C2 8:2FTS	N/A	N/A	8.02	8.07	17		01/03/2023 20:10
13C6 PFDA	N/A	N/A	8.40	8.46	17		01/03/2023 20:10
d3-MeFOSAA	N/A	N/A	8.26	8.31	29		01/03/2023 20:10
13C8 PFOSA	N/A	N/A	10.46	10.54	13		01/03/2023 20:10
d5-EtFOSAA	N/A	N/A	8.54	8.61	17		01/03/2023 20:10
13C7 PFUdA	N/A	N/A	9.06	9.06	22		01/03/2023 20:10
13C2 PFDoA	N/A	N/A	9.73	9.85	15		01/03/2023 20:10
13C2 PFTeDA	N/A	N/A	11.04	11.19	16		01/03/2023 20:10
13C3 HFPO-DA	N/A	N/A	6.05	6.04	18		01/03/2023 20:10
d7-N-MeFOSE	N/A	N/A	12.37	12.51	40		01/03/2023 20:10
d9-N-EtFOSE	N/A	N/A	12.86	12.97	42		01/03/2023 20:10
d3-N-MeFOSA	N/A	N/A	12.57	12.70	54		01/03/2023 20:10
d5-N-EtFOSA	N/A	N/A	13.02	13.11	66		01/03/2023 20:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB1-0
 Lab Sample ID 10635405025
 Lab File ID B230103C_007
 Matrix Water
 Collected 11/28/2022 20:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 224mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.14	ND		01/03/2023 20:10
PFPeA	N/A	N/A	5.08	5.05	ND		01/03/2023 20:10
HFPO-DA	0.54	0.28	6.07	6.05	ND		01/03/2023 20:10
PFBS	0.72	0.45	6.05	6.03	ND		01/03/2023 20:10
PFHxA	0.15	0.07	5.78	5.76	ND		01/03/2023 20:10
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 20:10
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 20:10
PFHpA	0.32	0.29	6.45	6.45	ND		01/03/2023 20:10
DONA	0.91	0.62	6.68	6.70	ND		01/03/2023 20:10
PFHxS	0.00	0.37	7.51	7.55	ND		01/03/2023 20:10
PFOA	0.36	0.41	7.10	7.11	ND		01/03/2023 20:10
6:2 FTS	1.10	0.83	6.76	6.76	ND		01/03/2023 20:10
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 20:10
PFNA	0.00	0.16	0.00	7.79	ND		01/03/2023 20:10
PFOSAm	N/A	N/A	10.48	10.55	ND		01/03/2023 20:10
PFOS	0.27	0.37	8.89	8.99	ND		01/03/2023 20:10
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 20:10
PFDA	0.07	0.16	8.41	8.47	ND		01/03/2023 20:10
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 20:10
8:2 FTS	0.66	0.95	8.03	8.08	ND		01/03/2023 20:10
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 20:10
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 20:10
PFUnDA	0.15	0.14	9.07	9.17	ND		01/03/2023 20:10
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 20:10
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 20:10
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 20:10
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 20:10
MeFOSE	N/A	N/A	12.41	12.55	ND		01/03/2023 20:10
EtFOSE	0.00	0.00	12.90	13.04	ND		01/03/2023 20:10
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 20:10
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 20:10
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 20:10
PFTDA	0.27	0.21	11.04	11.21	ND		01/03/2023 20:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB2-0
 Lab Sample ID 10635405026
 Lab File ID B230103C_008
 Matrix Water
 Collected 11/29/2022 14:30
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 236mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.1	0.53	0.53	1	375-22-4		01/03/2023 20:30
PFPeA	ND	2.1	0.87	0.87	1	2706-90-3		01/03/2023 20:30
HFPO-DA	ND	2.1	0.52	0.52	1	13252-13-6		01/03/2023 20:30
PFBS	ND	1.9	0.51	0.51	1	375-73-5		01/03/2023 20:30
PFHxA	ND	2.1	0.97	0.97	1	307-24-4		01/03/2023 20:30
4:2 FTS	ND	2.0	0.49	0.49	1	757124-72-4		01/03/2023 20:30
PFPeS	ND	2.0	0.64	0.64	1	2706-91-4		01/03/2023 20:30
PFHpA	ND	2.1	0.73	0.73	1	375-85-9		01/03/2023 20:30
DONA	ND	2.0	0.97	0.97	1	919005-14-4		01/03/2023 20:30
PFHxS	ND	1.9	0.56	0.56	1	355-46-4		01/03/2023 20:30
PFOA	ND	2.1	0.91	0.91	1	335-67-1		01/03/2023 20:30
6:2 FTS	ND	2.0	0.72	0.72	1	27619-97-2		01/03/2023 20:30
PFHpS	ND	2.0	0.71	0.71	1	375-92-8		01/03/2023 20:30
PFNA	ND	2.1	0.84	0.84	1	375-95-1		01/03/2023 20:30
PFOSAm	ND	2.1	0.76	0.76	1	754-91-6		01/03/2023 20:30
PFOS	ND	2.0	0.71	0.71	1	1763-23-1		01/03/2023 20:30
MeFOSA	ND	2.1	0.59	0.59	1	31506-32-8		01/03/2023 20:30
PFDA	ND	2.1	0.64	0.64	1	335-76-2		01/03/2023 20:30
EtFOSAm	ND	2.1	0.61	0.61	1	4151-50-2		01/03/2023 20:30
8:2 FTS	ND	2.0	0.53	0.53	1	39108-34-4		01/03/2023 20:30
9-CI-PF3ON	ND	2.0	0.50	0.50	1	756426-58-1		01/03/2023 20:30
PFNS	ND	2.0	0.62	0.62	1	68259-12-1		01/03/2023 20:30
PFUnDA	ND	2.1	0.51	0.51	1	2058-94-8		01/03/2023 20:30
NMeFOSAA	ND	2.1	0.74	0.74	1	2355-31-9		01/03/2023 20:30
NEtFOSAA	ND	2.1	0.86	0.86	1	2991-50-6		01/03/2023 20:30
PFDS	ND	2.0	0.68	0.68	1	335-77-3		01/03/2023 20:30
PFDOA	ND	2.1	0.51	0.51	1	307-55-1		01/03/2023 20:30
MeFOSE	ND	2.1	0.55	0.55	1	24448-09-7		01/03/2023 20:30
EtFOSE	ND	2.1	0.94	0.94	1	1691-99-2		01/03/2023 20:30
11-CI-PF3OUdS	ND	2.0	0.59	0.59	1	763051-92-9		01/03/2023 20:30
PFTTrDA	ND	2.1	0.66	0.66	1	72629-94-8		01/03/2023 20:30
PFDoS	ND	2.1	0.63	0.63	1	79780-39-5		01/03/2023 20:30
PFTDA	ND	2.1	0.64	0.64	1	376-06-7		01/03/2023 20:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB2-0
 Lab Sample ID 10635405026
 Lab File ID B230103C_008
 Matrix Water
 Collected 11/29/2022 14:30
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 236mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	21	22	104	25-150		01/03/2023 20:30
13C5 PFPeA	21	22	102	25-150		01/03/2023 20:30
13C3 PFBS	20	21	108	25-150		01/03/2023 20:30
13C2 4:2FTS	20	24	122	25-150		01/03/2023 20:30
13C5 PFHxA	21	23	110	25-150		01/03/2023 20:30
13C4 PFHpA	21	22	105	25-150		01/03/2023 20:30
13C3 PFHxS	20	23	116	25-150		01/03/2023 20:30
13C2 6:2FTS	20	21	104	25-150		01/03/2023 20:30
13C8 PFOA	21	25	117	25-150		01/03/2023 20:30
13C9 PFNA	21	23	108	25-150		01/03/2023 20:30
13C8 PFOS	20	22	109	25-150		01/03/2023 20:30
13C2 8:2FTS	20	22	107	25-150		01/03/2023 20:30
13C6 PFDA	21	22	105	25-150		01/03/2023 20:30
d3-MeFOSAA	21	25	118	25-150		01/03/2023 20:30
13C8 PFOSA	21	20	94	25-150		01/03/2023 20:30
d5-EtFOSAA	21	21	101	25-150		01/03/2023 20:30
13C7 PFUdA	21	24	115	25-150		01/03/2023 20:30
13C2 PFDoA	21	26	124	25-150		01/03/2023 20:30
13C2 PFTeDA	21	21	100	25-150		01/03/2023 20:30
13C3 HFPO-DA	21	22	104	25-150		01/03/2023 20:30
d7-N-MeFOSE	21	18	87	10-150		01/03/2023 20:30
d9-N-EtFOSE	21	21	98	10-150		01/03/2023 20:30
d3-N-MeFOSA	21	15	71	10-150		01/03/2023 20:30
d5-N-EtFOSA	21	17	78	10-150		01/03/2023 20:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-EB2-0	Total Amount Extracted	236mL
Lab Sample ID	10635405026	Ical ID	230103A02
Lab File ID	B230103C_008	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/29/2022 14:30	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.18	4.14	26		01/03/2023 20:30
13C5 PFPeA	N/A	N/A	5.05	5.06	23		01/03/2023 20:30
13C3 PFBS	N/A	N/A	6.02	6.02	20		01/03/2023 20:30
13C2 4:2FTS	N/A	N/A	5.47	5.47	11		01/03/2023 20:30
13C5 PFHxA	N/A	N/A	5.75	5.76	20		01/03/2023 20:30
13C4 PFHpA	N/A	N/A	6.43	6.45	23		01/03/2023 20:30
13C3 PFHxS	N/A	N/A	7.51	7.54	34		01/03/2023 20:30
13C2 6:2FTS	N/A	N/A	6.75	6.77	16		01/03/2023 20:30
13C8 PFOA	N/A	N/A	7.09	7.11	27		01/03/2023 20:30
13C9 PFNA	N/A	N/A	7.74	7.78	20		01/03/2023 20:30
13C8 PFOS	N/A	N/A	8.87	8.96	23		01/03/2023 20:30
13C2 8:2FTS	N/A	N/A	8.02	8.07	21		01/03/2023 20:30
13C6 PFDA	N/A	N/A	8.39	8.46	17		01/03/2023 20:30
d3-MeFOSAA	N/A	N/A	8.25	8.31	23		01/03/2023 20:30
13C8 PFOSA	N/A	N/A	10.47	10.54	11		01/03/2023 20:30
d5-EtFOSAA	N/A	N/A	8.53	8.61	14		01/03/2023 20:30
13C7 PFUdA	N/A	N/A	9.05	9.16	17		01/03/2023 20:30
13C2 PFDoA	N/A	N/A	9.73	9.85	18		01/03/2023 20:30
13C2 PFTeDA	N/A	N/A	11.04	11.19	13		01/03/2023 20:30
13C3 HFPO-DA	N/A	N/A	6.03	6.04	17		01/03/2023 20:30
d7-N-MeFOSE	N/A	N/A	12.35	12.51	42		01/03/2023 20:30
d9-N-EtFOSE	N/A	N/A	12.83	12.97	53		01/03/2023 20:30
d3-N-MeFOSA	N/A	N/A	12.55	12.70	65		01/03/2023 20:30
d5-N-EtFOSA	N/A	N/A	12.99	13.11	69		01/03/2023 20:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-EB2-0	Total Amount Extracted	236mL
Lab Sample ID	10635405026	Ical ID	230103A02
Lab File ID	B230103C_008	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/29/2022 14:30	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.18	4.14	ND		01/03/2023 20:30
PFPeA	N/A	N/A	5.06	5.05	ND		01/03/2023 20:30
HFPO-DA	0.39	0.28	6.05	6.05	ND		01/03/2023 20:30
PFBS	0.35	0.45	6.02	6.03	ND		01/03/2023 20:30
PFHxA	0.07	0.07	5.76	5.76	ND		01/03/2023 20:30
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 20:30
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 20:30
PFHpA	0.20	0.29	6.44	6.45	ND		01/03/2023 20:30
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 20:30
PFHxS	0.41	0.37	7.52	7.55	ND		01/03/2023 20:30
PFOA	0.32	0.41	7.10	7.11	ND		01/03/2023 20:30
6:2 FTS	1.20	0.83	6.76	6.76	ND		01/03/2023 20:30
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 20:30
PFNA	0.00	0.16	0.00	7.79	ND		01/03/2023 20:30
PFOSAm	N/A	N/A	10.48	10.55	ND		01/03/2023 20:30
PFOS	0.20	0.37	8.88	8.99	ND		01/03/2023 20:30
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 20:30
PFDA	0.07	0.16	8.40	8.47	ND		01/03/2023 20:30
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 20:30
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 20:30
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 20:30
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 20:30
PFUnDA	0.13	0.14	9.06	9.17	ND		01/03/2023 20:30
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 20:30
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 20:30
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 20:30
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 20:30
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 20:30
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 20:30
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 20:30
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 20:30
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 20:30
PFTDA	0.18	0.21	11.05	11.21	ND		01/03/2023 20:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB3-0
 Lab Sample ID 10635405027
 Lab File ID B230103C_009
 Matrix Water
 Collected 11/30/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 235mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.1	0.53	0.53	1	375-22-4		01/03/2023 20:50
PFPeA	ND	2.1	0.87	0.87	1	2706-90-3		01/03/2023 20:50
HFPO-DA	ND	2.1	0.52	0.52	1	13252-13-6		01/03/2023 20:50
PFBS	ND	1.9	0.52	0.52	1	375-73-5		01/03/2023 20:50
PFHxA	ND	2.1	0.97	0.97	1	307-24-4		01/03/2023 20:50
4:2 FTS	ND	2.0	0.50	0.50	1	757124-72-4		01/03/2023 20:50
PFPeS	ND	2.0	0.64	0.64	1	2706-91-4		01/03/2023 20:50
PFHpA	ND	2.1	0.73	0.73	1	375-85-9		01/03/2023 20:50
DONA	ND	2.0	0.98	0.98	1	919005-14-4		01/03/2023 20:50
PFHxS	ND	1.9	0.57	0.57	1	355-46-4		01/03/2023 20:50
PFOA	ND	2.1	0.92	0.92	1	335-67-1		01/03/2023 20:50
6:2 FTS	ND	2.0	0.72	0.72	1	27619-97-2		01/03/2023 20:50
PFHpS	ND	2.0	0.71	0.71	1	375-92-8		01/03/2023 20:50
PFNA	ND	2.1	0.85	0.85	1	375-95-1		01/03/2023 20:50
PFOSAm	ND	2.1	0.76	0.76	1	754-91-6		01/03/2023 20:50
PFOS	ND	2.0	0.71	0.71	1	1763-23-1		01/03/2023 20:50
MeFOSA	ND	2.1	0.59	0.59	1	31506-32-8		01/03/2023 20:50
PFDA	ND	2.1	0.65	0.65	1	335-76-2		01/03/2023 20:50
EtFOSAm	ND	2.1	0.61	0.61	1	4151-50-2		01/03/2023 20:50
8:2 FTS	ND	2.0	0.54	0.54	1	39108-34-4		01/03/2023 20:50
9-CI-PF3ON	ND	2.0	0.50	0.50	1	756426-58-1		01/03/2023 20:50
PFNS	ND	2.0	0.62	0.62	1	68259-12-1		01/03/2023 20:50
PFUnDA	ND	2.1	0.52	0.52	1	2058-94-8		01/03/2023 20:50
NMeFOSAA	ND	2.1	0.74	0.74	1	2355-31-9		01/03/2023 20:50
NEtFOSAA	ND	2.1	0.87	0.87	1	2991-50-6		01/03/2023 20:50
PFDS	ND	2.1	0.68	0.68	1	335-77-3		01/03/2023 20:50
PFDOA	ND	2.1	0.51	0.51	1	307-55-1		01/03/2023 20:50
MeFOSE	ND	2.1	0.55	0.55	1	24448-09-7		01/03/2023 20:50
EtFOSE	ND	2.1	0.95	0.95	1	1691-99-2		01/03/2023 20:50
11-CI-PF3OUdS	ND	2.0	0.59	0.59	1	763051-92-9		01/03/2023 20:50
PFTTrDA	ND	2.1	0.66	0.66	1	72629-94-8		01/03/2023 20:50
PFDoS	ND	2.1	0.63	0.63	1	79780-39-5		01/03/2023 20:50
PFTDA	ND	2.1	0.64	0.64	1	376-06-7		01/03/2023 20:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB3-0
 Lab Sample ID 10635405027
 Lab File ID B230103C_009
 Matrix Water
 Collected 11/30/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 235mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	21	21	101	25-150		01/03/2023 20:50
13C5 PFPeA	21	21	99	25-150		01/03/2023 20:50
13C3 PFBS	20	19	98	25-150		01/03/2023 20:50
13C2 4:2FTS	20	22	109	25-150		01/03/2023 20:50
13C5 PFHxA	21	22	104	25-150		01/03/2023 20:50
13C4 PFHpA	21	22	101	25-150		01/03/2023 20:50
13C3 PFHxS	20	24	117	25-150		01/03/2023 20:50
13C2 6:2FTS	20	21	102	25-150		01/03/2023 20:50
13C8 PFOA	21	22	103	25-150		01/03/2023 20:50
13C9 PFNA	21	21	98	25-150		01/03/2023 20:50
13C8 PFOS	20	23	113	25-150		01/03/2023 20:50
13C2 8:2FTS	20	21	105	25-150		01/03/2023 20:50
13C6 PFDA	21	21	97	25-150		01/03/2023 20:50
d3-MeFOSAA	21	22	105	25-150		01/03/2023 20:50
13C8 PFOSA	21	19	90	25-150		01/03/2023 20:50
d5-EtFOSAA	21	22	102	25-150		01/03/2023 20:50
13C7 PFUdA	21	21	99	25-150		01/03/2023 20:50
13C2 PFDoA	21	24	112	25-150		01/03/2023 20:50
13C2 PFTeDA	21	22	101	25-150		01/03/2023 20:50
13C3 HFPO-DA	21	22	102	25-150		01/03/2023 20:50
d7-N-MeFOSE	21	18	87	10-150		01/03/2023 20:50
d9-N-EtFOSE	21	19	89	10-150		01/03/2023 20:50
d3-N-MeFOSA	21	14	65	10-150		01/03/2023 20:50
d5-N-EtFOSA	21	15	72	10-150		01/03/2023 20:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-EB3-0	Total Amount Extracted	235mL
Lab Sample ID	10635405027	Ical ID	230103A02
Lab File ID	B230103C_009	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/30/2022 10:00	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.14	25		01/03/2023 20:50
13C5 PFPeA	N/A	N/A	5.04	5.06	27		01/03/2023 20:50
13C3 PFBS	N/A	N/A	6.01	6.02	21		01/03/2023 20:50
13C2 4:2FTS	N/A	N/A	5.45	5.47	11		01/03/2023 20:50
13C5 PFHxA	N/A	N/A	5.74	5.76	19		01/03/2023 20:50
13C4 PFHpA	N/A	N/A	6.43	6.45	22		01/03/2023 20:50
13C3 PFHxS	N/A	N/A	7.52	7.54	29		01/03/2023 20:50
13C2 6:2FTS	N/A	N/A	6.75	6.77	17		01/03/2023 20:50
13C8 PFOA	N/A	N/A	7.09	7.11	30		01/03/2023 20:50
13C9 PFNA	N/A	N/A	7.75	7.78	20		01/03/2023 20:50
13C8 PFOS	N/A	N/A	8.90	8.96	23		01/03/2023 20:50
13C2 8:2FTS	N/A	N/A	8.03	8.07	32		01/03/2023 20:50
13C6 PFDA	N/A	N/A	8.41	8.46	20		01/03/2023 20:50
d3-MeFOSAA	N/A	N/A	8.27	8.31	16		01/03/2023 20:50
13C8 PFOSA	N/A	N/A	10.47	10.54	12		01/03/2023 20:50
d5-EtFOSAA	N/A	N/A	8.55	8.61	11		01/03/2023 20:50
13C7 PFUdA	N/A	N/A	9.08	9.16	23		01/03/2023 20:50
13C2 PFDoA	N/A	N/A	9.75	9.85	16		01/03/2023 20:50
13C2 PFTeDA	N/A	N/A	11.05	11.19	13		01/03/2023 20:50
13C3 HFPO-DA	N/A	N/A	6.02	6.04	19		01/03/2023 20:50
d7-N-MeFOSE	N/A	N/A	12.40	12.51	44		01/03/2023 20:50
d9-N-EtFOSE	N/A	N/A	12.87	12.97	49		01/03/2023 20:50
d3-N-MeFOSA	N/A	N/A	12.59	12.70	56		01/03/2023 20:50
d5-N-EtFOSA	N/A	N/A	13.02	13.11	75		01/03/2023 20:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-EB3-0
 Lab Sample ID 10635405027
 Lab File ID B230103C_009
 Matrix Water
 Collected 11/30/2022 10:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 235mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.14	ND		01/03/2023 20:50
PFPeA	N/A	N/A	5.05	5.05	ND		01/03/2023 20:50
HFPO-DA	0.22	0.28	6.04	6.05	ND		01/03/2023 20:50
PFBS	0.43	0.45	6.01	6.03	ND		01/03/2023 20:50
PFHxA	0.00	0.07	0.00	5.76	ND		01/03/2023 20:50
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 20:50
PFPeS	0.50	0.45	6.80	6.82	ND		01/03/2023 20:50
PFHpA	0.16	0.29	6.43	6.45	ND		01/03/2023 20:50
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 20:50
PFHxS	0.32	0.37	7.52	7.55	ND		01/03/2023 20:50
PFOA	0.61	0.41	7.10	7.11	ND		01/03/2023 20:50
6:2 FTS	1.10	0.83	6.75	6.76	ND		01/03/2023 20:50
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 20:50
PFNA	0.29	0.16	7.75	7.79	ND		01/03/2023 20:50
PFOSAm	N/A	N/A	10.48	10.55	ND		01/03/2023 20:50
PFOS	0.36	0.37	8.91	8.99	ND		01/03/2023 20:50
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 20:50
PFDA	0.13	0.16	8.42	8.47	ND		01/03/2023 20:50
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 20:50
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 20:50
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 20:50
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 20:50
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 20:50
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 20:50
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 20:50
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 20:50
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 20:50
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 20:50
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 20:50
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 20:50
PFTTrDA	0.23	0.17	10.41	10.54	ND		01/03/2023 20:50
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 20:50
PFTDA	0.24	0.21	11.05	11.21	ND		01/03/2023 20:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB1-0
 Lab Sample ID 10635405028
 Lab File ID B230103C_010
 Matrix Water
 Collected 11/28/2022 09:15
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 250mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.0	0.50	0.50	1	375-22-4		01/03/2023 21:10
PFPeA	ND	2.0	0.82	0.82	1	2706-90-3		01/03/2023 21:10
HFPO-DA	ND	2.0	0.49	0.49	1	13252-13-6		01/03/2023 21:10
PFBS	ND	1.8	0.49	0.49	1	375-73-5		01/03/2023 21:10
PFHxA	ND	2.0	0.91	0.91	1	307-24-4		01/03/2023 21:10
4:2 FTS	ND	1.9	0.47	0.47	1	757124-72-4		01/03/2023 21:10
PFPeS	ND	1.9	0.60	0.60	1	2706-91-4		01/03/2023 21:10
PFHpA	ND	2.0	0.69	0.69	1	375-85-9		01/03/2023 21:10
DONA	ND	1.9	0.92	0.92	1	919005-14-4		01/03/2023 21:10
PFHxS	ND	1.8	0.53	0.53	1	355-46-4		01/03/2023 21:10
PFOA	ND	2.0	0.86	0.86	1	335-67-1		01/03/2023 21:10
6:2 FTS	ND	1.9	0.68	0.68	1	27619-97-2		01/03/2023 21:10
PFHpS	ND	1.9	0.67	0.67	1	375-92-8		01/03/2023 21:10
PFNA	ND	2.0	0.80	0.80	1	375-95-1		01/03/2023 21:10
PFOSAm	ND	2.0	0.72	0.72	1	754-91-6		01/03/2023 21:10
PFOS	ND	1.9	0.67	0.67	1	1763-23-1		01/03/2023 21:10
MeFOSA	ND	2.0	0.55	0.55	1	31506-32-8		01/03/2023 21:10
PFDA	ND	2.0	0.61	0.61	1	335-76-2		01/03/2023 21:10
EtFOSAm	ND	2.0	0.57	0.57	1	4151-50-2		01/03/2023 21:10
8:2 FTS	ND	1.9	0.50	0.50	1	39108-34-4		01/03/2023 21:10
9-CI-PF3ON	ND	1.9	0.47	0.47	1	756426-58-1		01/03/2023 21:10
PFNS	ND	1.9	0.59	0.59	1	68259-12-1		01/03/2023 21:10
PFUnDA	ND	2.0	0.49	0.49	1	2058-94-8		01/03/2023 21:10
NMeFOSAA	ND	2.0	0.70	0.70	1	2355-31-9		01/03/2023 21:10
NEtFOSAA	ND	2.0	0.82	0.82	1	2991-50-6		01/03/2023 21:10
PFDS	ND	1.9	0.64	0.64	1	335-77-3		01/03/2023 21:10
PFDOA	ND	2.0	0.48	0.48	1	307-55-1		01/03/2023 21:10
MeFOSE	ND	2.0	0.52	0.52	1	24448-09-7		01/03/2023 21:10
EtFOSE	ND	2.0	0.89	0.89	1	1691-99-2		01/03/2023 21:10
11-CI-PF3OUdS	ND	1.9	0.56	0.56	1	763051-92-9		01/03/2023 21:10
PFTTrDA	ND	2.0	0.62	0.62	1	72629-94-8		01/03/2023 21:10
PFDoS	ND	1.9	0.59	0.59	1	79780-39-5		01/03/2023 21:10
PFTDA	ND	2.0	0.60	0.60	1	376-06-7		01/03/2023 21:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB1-0
 Lab Sample ID 10635405028
 Lab File ID B230103C_010
 Matrix Water
 Collected 11/28/2022 09:15
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 250mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	20	22	111	25-150		01/03/2023 21:10
13C5 PFPeA	20	22	111	25-150		01/03/2023 21:10
13C3 PFBS	19	20	109	25-150		01/03/2023 21:10
13C2 4:2FTS	19	21	112	25-150		01/03/2023 21:10
13C5 PFHxA	20	22	111	25-150		01/03/2023 21:10
13C4 PFHpA	20	23	115	25-150		01/03/2023 21:10
13C3 PFHxS	19	22	118	25-150		01/03/2023 21:10
13C2 6:2FTS	19	21	110	25-150		01/03/2023 21:10
13C8 PFOA	20	23	115	25-150		01/03/2023 21:10
13C9 PFNA	20	23	116	25-150		01/03/2023 21:10
13C8 PFOS	19	19	100	25-150		01/03/2023 21:10
13C2 8:2FTS	19	20	105	25-150		01/03/2023 21:10
13C6 PFDA	20	19	93	25-150		01/03/2023 21:10
d3-MeFOSAA	20	20	100	25-150		01/03/2023 21:10
13C8 PFOSA	20	18	89	25-150		01/03/2023 21:10
d5-EtFOSAA	20	21	107	25-150		01/03/2023 21:10
13C7 PFUdA	20	21	107	25-150		01/03/2023 21:10
13C2 PFDaA	20	20	99	25-150		01/03/2023 21:10
13C2 PFTeDA	20	18	90	25-150		01/03/2023 21:10
13C3 HFPO-DA	20	22	109	25-150		01/03/2023 21:10
d7-N-MeFOSE	20	17	84	10-150		01/03/2023 21:10
d9-N-EtFOSE	20	18	89	10-150		01/03/2023 21:10
d3-N-MeFOSA	20	13	63	10-150		01/03/2023 21:10
d5-N-EtFOSA	20	12	60	10-150		01/03/2023 21:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-FB1-0	Total Amount Extracted	250mL
Lab Sample ID	10635405028	Ical ID	230103A02
Lab File ID	B230103C_010	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/28/2022 09:15	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	31		01/03/2023 21:10
13C5 PFPeA	N/A	N/A	5.04	5.06	31		01/03/2023 21:10
13C3 PFBS	N/A	N/A	6.03	6.02	26		01/03/2023 21:10
13C2 4:2FTS	N/A	N/A	5.46	5.47	11		01/03/2023 21:10
13C5 PFHxA	N/A	N/A	5.76	5.76	18		01/03/2023 21:10
13C4 PFHpA	N/A	N/A	6.44	6.45	22		01/03/2023 21:10
13C3 PFHxS	N/A	N/A	7.52	7.54	28		01/03/2023 21:10
13C2 6:2FTS	N/A	N/A	6.76	6.77	28		01/03/2023 21:10
13C8 PFOA	N/A	N/A	7.10	7.11	28		01/03/2023 21:10
13C9 PFNA	N/A	N/A	7.75	7.78	24		01/03/2023 21:10
13C8 PFOS	N/A	N/A	8.89	8.96	29		01/03/2023 21:10
13C2 8:2FTS	N/A	N/A	8.02	8.07	39		01/03/2023 21:10
13C6 PFDA	N/A	N/A	8.40	8.46	11		01/03/2023 21:10
d3-MeFOSAA	N/A	N/A	8.26	8.31	23		01/03/2023 21:10
13C8 PFOSA	N/A	N/A	10.47	10.54	12		01/03/2023 21:10
d5-EtFOSAA	N/A	N/A	8.55	8.61	13		01/03/2023 21:10
13C7 PFUdA	N/A	N/A	9.07	9.16	30		01/03/2023 21:10
13C2 PFDoA	N/A	N/A	9.74	9.85	12		01/03/2023 21:10
13C2 PFTeDA	N/A	N/A	11.04	11.19	16		01/03/2023 21:10
13C3 HFPO-DA	N/A	N/A	6.04	6.04	23		01/03/2023 21:10
d7-N-MeFOSE	N/A	N/A	12.39	12.51	42		01/03/2023 21:10
d9-N-EtFOSE	N/A	N/A	12.87	12.97	53		01/03/2023 21:10
d3-N-MeFOSA	N/A	N/A	12.59	12.70	67		01/03/2023 21:10
d5-N-EtFOSA	N/A	N/A	13.03	13.11	74		01/03/2023 21:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB1-0
 Lab Sample ID 10635405028
 Lab File ID B230103C_010
 Matrix Water
 Collected 11/28/2022 09:15
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 250mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.14	ND		01/03/2023 21:10
PFPeA	N/A	N/A	5.05	5.05	ND		01/03/2023 21:10
HFPO-DA	0.28	0.28	6.05	6.05	ND		01/03/2023 21:10
PFBS	0.42	0.45	6.03	6.03	ND		01/03/2023 21:10
PFHxA	0.17	0.07	5.77	5.76	ND		01/03/2023 21:10
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 21:10
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 21:10
PFHpA	0.20	0.29	6.44	6.45	ND		01/03/2023 21:10
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 21:10
PFHxS	0.47	0.37	7.54	7.55	ND		01/03/2023 21:10
PFOA	0.54	0.41	7.11	7.11	ND		01/03/2023 21:10
6:2 FTS	1.60	0.83	6.76	6.76	ND		01/03/2023 21:10
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 21:10
PFNA	0.13	0.16	7.76	7.79	ND		01/03/2023 21:10
PFOSAm	N/A	N/A	10.48	10.55	ND		01/03/2023 21:10
PFOS	0.22	0.37	8.90	8.99	ND		01/03/2023 21:10
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 21:10
PFDA	0.00	0.16	0.00	8.47	ND		01/03/2023 21:10
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 21:10
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 21:10
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 21:10
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 21:10
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 21:10
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 21:10
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 21:10
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 21:10
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 21:10
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 21:10
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 21:10
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 21:10
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 21:10
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 21:10
PFTDA	0.19	0.21	11.04	11.21	ND		01/03/2023 21:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB2-0
 Lab Sample ID 10635405029
 Lab File ID B230103C_011
 Matrix Water
 Collected 11/28/2022 11:50
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 252mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.0	0.50	0.50	1	375-22-4		01/03/2023 21:30
PFPeA	ND	2.0	0.82	0.82	1	2706-90-3		01/03/2023 21:30
HFPO-DA	ND	2.0	0.49	0.49	1	13252-13-6		01/03/2023 21:30
PFBS	ND	1.8	0.48	0.48	1	375-73-5		01/03/2023 21:30
PFHxA	ND	2.0	0.90	0.90	1	307-24-4		01/03/2023 21:30
4:2 FTS	ND	1.9	0.46	0.46	1	757124-72-4		01/03/2023 21:30
PFPeS	ND	1.9	0.60	0.60	1	2706-91-4		01/03/2023 21:30
PFHpA	ND	2.0	0.68	0.68	1	375-85-9		01/03/2023 21:30
DONA	ND	1.9	0.91	0.91	1	919005-14-4		01/03/2023 21:30
PFHxS	ND	1.8	0.53	0.53	1	355-46-4		01/03/2023 21:30
PFOA	ND	2.0	0.85	0.85	1	335-67-1		01/03/2023 21:30
6:2 FTS	ND	1.9	0.67	0.67	1	27619-97-2		01/03/2023 21:30
PFHpS	ND	1.9	0.66	0.66	1	375-92-8		01/03/2023 21:30
PFNA	ND	2.0	0.79	0.79	1	375-95-1		01/03/2023 21:30
PFOSAm	ND	2.0	0.71	0.71	1	754-91-6		01/03/2023 21:30
PFOS	ND	1.8	0.66	0.66	1	1763-23-1		01/03/2023 21:30
MeFOSA	ND	2.0	0.55	0.55	1	31506-32-8		01/03/2023 21:30
PFDA	ND	2.0	0.60	0.60	1	335-76-2		01/03/2023 21:30
EtFOSAm	ND	2.0	0.57	0.57	1	4151-50-2		01/03/2023 21:30
8:2 FTS	ND	1.9	0.50	0.50	1	39108-34-4		01/03/2023 21:30
9-CI-PF3ON	ND	1.9	0.47	0.47	1	756426-58-1		01/03/2023 21:30
PFNS	ND	1.9	0.58	0.58	1	68259-12-1		01/03/2023 21:30
PFUnDA	ND	2.0	0.48	0.48	1	2058-94-8		01/03/2023 21:30
NMeFOSAA	ND	2.0	0.69	0.69	1	2355-31-9		01/03/2023 21:30
NEtFOSAA	ND	2.0	0.81	0.81	1	2991-50-6		01/03/2023 21:30
PFDS	ND	1.9	0.64	0.64	1	335-77-3		01/03/2023 21:30
PFDOA	ND	2.0	0.48	0.48	1	307-55-1		01/03/2023 21:30
MeFOSE	ND	2.0	0.52	0.52	1	24448-09-7		01/03/2023 21:30
EtFOSE	ND	2.0	0.88	0.88	1	1691-99-2		01/03/2023 21:30
11-CI-PF3OUdS	ND	1.9	0.55	0.55	1	763051-92-9		01/03/2023 21:30
PFTTrDA	ND	2.0	0.62	0.62	1	72629-94-8		01/03/2023 21:30
PFDoS	ND	1.9	0.59	0.59	1	79780-39-5		01/03/2023 21:30
PFTDA	ND	2.0	0.60	0.60	1	376-06-7		01/03/2023 21:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB2-0
 Lab Sample ID 10635405029
 Lab File ID B230103C_011
 Matrix Water
 Collected 11/28/2022 11:50
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 252mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	20	20	102	25-150		01/03/2023 21:30
13C5 PFPeA	20	20	100	25-150		01/03/2023 21:30
13C3 PFBS	18	20	111	25-150		01/03/2023 21:30
13C2 4:2FTS	19	21	111	25-150		01/03/2023 21:30
13C5 PFHxA	20	20	103	25-150		01/03/2023 21:30
13C4 PFHpA	20	21	104	25-150		01/03/2023 21:30
13C3 PFHxS	19	21	113	25-150		01/03/2023 21:30
13C2 6:2FTS	19	18	94	25-150		01/03/2023 21:30
13C8 PFOA	20	21	106	25-150		01/03/2023 21:30
13C9 PFNA	20	20	103	25-150		01/03/2023 21:30
13C8 PFOS	19	16	82	25-150		01/03/2023 21:30
13C2 8:2FTS	19	17	91	25-150		01/03/2023 21:30
13C6 PFDA	20	18	90	25-150		01/03/2023 21:30
d3-MeFOSAA	20	21	106	25-150		01/03/2023 21:30
13C8 PFOSA	20	17	85	25-150		01/03/2023 21:30
d5-EtFOSAA	20	18	93	25-150		01/03/2023 21:30
13C7 PFUdA	20	19	95	25-150		01/03/2023 21:30
13C2 PFDoA	20	18	93	25-150		01/03/2023 21:30
13C2 PFTeDA	20	17	83	25-150		01/03/2023 21:30
13C3 HFPO-DA	20	20	103	25-150		01/03/2023 21:30
d7-N-MeFOSE	20	16	81	10-150		01/03/2023 21:30
d9-N-EtFOSE	20	17	85	10-150		01/03/2023 21:30
d3-N-MeFOSA	20	13	67	10-150		01/03/2023 21:30
d5-N-EtFOSA	20	13	67	10-150		01/03/2023 21:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB2-0
 Lab Sample ID 10635405029
 Lab File ID B230103C_011
 Matrix Water
 Collected 11/28/2022 11:50
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 252mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	25		01/03/2023 21:30
13C5 PFPeA	N/A	N/A	5.04	5.06	25		01/03/2023 21:30
13C3 PFBS	N/A	N/A	6.03	6.02	23		01/03/2023 21:30
13C2 4:2FTS	N/A	N/A	5.46	5.47	86		01/03/2023 21:30
13C5 PFHxA	N/A	N/A	5.76	5.76	22		01/03/2023 21:30
13C4 PFHpA	N/A	N/A	6.44	6.45	21		01/03/2023 21:30
13C3 PFHxS	N/A	N/A	7.53	7.54	26		01/03/2023 21:30
13C2 6:2FTS	N/A	N/A	6.76	6.77	25		01/03/2023 21:30
13C8 PFOA	N/A	N/A	7.11	7.11	23		01/03/2023 21:30
13C9 PFNA	N/A	N/A	7.76	7.78	20		01/03/2023 21:30
13C8 PFOS	N/A	N/A	8.90	8.96	21		01/03/2023 21:30
13C2 8:2FTS	N/A	N/A	8.04	8.07	69		01/03/2023 21:30
13C6 PFDA	N/A	N/A	8.42	8.46	27		01/03/2023 21:30
d3-MeFOSAA	N/A	N/A	8.28	8.31	16		01/03/2023 21:30
13C8 PFOSA	N/A	N/A	10.48	10.54	11		01/03/2023 21:30
d5-EtFOSAA	N/A	N/A	8.56	8.61	15		01/03/2023 21:30
13C7 PFUdA	N/A	N/A	9.08	9.16	20		01/03/2023 21:30
13C2 PFDaA	N/A	N/A	9.75	9.85	17		01/03/2023 21:30
13C2 PFTeDA	N/A	N/A	11.05	11.19	13		01/03/2023 21:30
13C3 HFPO-DA	N/A	N/A	6.04	6.04	19		01/03/2023 21:30
d7-N-MeFOSE	N/A	N/A	12.39	12.51	42		01/03/2023 21:30
d9-N-EtFOSE	N/A	N/A	12.85	12.97	51		01/03/2023 21:30
d3-N-MeFOSA	N/A	N/A	12.58	12.70	58		01/03/2023 21:30
d5-N-EtFOSA	N/A	N/A	13.01	13.01	76		01/03/2023 21:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB2-0
 Lab Sample ID 10635405029
 Lab File ID B230103C_011
 Matrix Water
 Collected 11/28/2022 11:50
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 252mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.16	4.14	ND		01/03/2023 21:30
PFPeA	N/A	N/A	5.05	5.05	ND		01/03/2023 21:30
HFPO-DA	0.36	0.28	6.05	6.05	ND		01/03/2023 21:30
PFBS	0.51	0.45	6.03	6.03	ND		01/03/2023 21:30
PFHxA	0.15	0.07	5.76	5.76	ND		01/03/2023 21:30
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 21:30
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 21:30
PFHpA	0.40	0.29	6.45	6.45	ND		01/03/2023 21:30
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 21:30
PFHxS	0.00	0.37	0.00	7.55	ND		01/03/2023 21:30
PFOA	0.37	0.41	7.12	7.11	ND		01/03/2023 21:30
6:2 FTS	1.50	0.83	6.77	6.76	ND		01/03/2023 21:30
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 21:30
PFNA	0.00	0.16	0.00	7.79	ND		01/03/2023 21:30
PFOSAm	N/A	N/A	10.49	10.55	ND		01/03/2023 21:30
PFOS	0.30	0.37	8.91	8.99	ND		01/03/2023 21:30
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 21:30
PFDA	0.15	0.16	8.44	8.47	ND		01/03/2023 21:30
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 21:30
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 21:30
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 21:30
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 21:30
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 21:30
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 21:30
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 21:30
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 21:30
PFDOA	0.23	0.18	9.76	9.86	ND		01/03/2023 21:30
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 21:30
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 21:30
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 21:30
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 21:30
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 21:30
PFTDA	0.23	0.21	11.05	11.21	ND		01/03/2023 21:30

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB3-0
 Lab Sample ID 10635405030
 Lab File ID B230103C_012
 Matrix Water
 Collected 11/29/2022 14:25
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 256mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.0	0.49	0.49	1	375-22-4		01/03/2023 21:50
PFPeA	ND	2.0	0.80	0.80	1	2706-90-3		01/03/2023 21:50
HFPO-DA	ND	2.0	0.48	0.48	1	13252-13-6		01/03/2023 21:50
PFBS	ND	1.7	0.47	0.47	1	375-73-5		01/03/2023 21:50
PFHxA	ND	2.0	0.89	0.89	1	307-24-4		01/03/2023 21:50
4:2 FTS	ND	1.8	0.45	0.45	1	757124-72-4		01/03/2023 21:50
PFPeS	ND	1.8	0.59	0.59	1	2706-91-4		01/03/2023 21:50
PFHpA	ND	2.0	0.67	0.67	1	375-85-9		01/03/2023 21:50
DONA	ND	1.8	0.90	0.90	1	919005-14-4		01/03/2023 21:50
PFHxS	ND	1.8	0.52	0.52	1	355-46-4		01/03/2023 21:50
PFOA	ND	2.0	0.84	0.84	1	335-67-1		01/03/2023 21:50
6:2 FTS	ND	1.9	0.66	0.66	1	27619-97-2		01/03/2023 21:50
PFHpS	ND	1.9	0.65	0.65	1	375-92-8		01/03/2023 21:50
PFNA	ND	2.0	0.77	0.77	1	375-95-1		01/03/2023 21:50
PFOSAm	ND	2.0	0.70	0.70	1	754-91-6		01/03/2023 21:50
PFOS	ND	1.8	0.65	0.65	1	1763-23-1		01/03/2023 21:50
MeFOSA	ND	2.0	0.54	0.54	1	31506-32-8		01/03/2023 21:50
PFDA	ND	2.0	0.59	0.59	1	335-76-2		01/03/2023 21:50
EtFOSAm	ND	2.0	0.56	0.56	1	4151-50-2		01/03/2023 21:50
8:2 FTS	ND	1.9	0.49	0.49	1	39108-34-4		01/03/2023 21:50
9-CI-PF3ON	ND	1.8	0.46	0.46	1	756426-58-1		01/03/2023 21:50
PFNS	ND	1.9	0.57	0.57	1	68259-12-1		01/03/2023 21:50
PFUnDA	ND	2.0	0.47	0.47	1	2058-94-8		01/03/2023 21:50
NMeFOSAA	ND	2.0	0.68	0.68	1	2355-31-9		01/03/2023 21:50
NEtFOSAA	ND	2.0	0.79	0.79	1	2991-50-6		01/03/2023 21:50
PFDS	ND	1.9	0.63	0.63	1	335-77-3		01/03/2023 21:50
PFDOA	ND	2.0	0.47	0.47	1	307-55-1		01/03/2023 21:50
MeFOSE	ND	2.0	0.51	0.51	1	24448-09-7		01/03/2023 21:50
EtFOSE	ND	2.0	0.87	0.87	1	1691-99-2		01/03/2023 21:50
11-CI-PF3OUdS	ND	1.8	0.54	0.54	1	763051-92-9		01/03/2023 21:50
PFTTrDA	ND	2.0	0.61	0.61	1	72629-94-8		01/03/2023 21:50
PFDoS	ND	1.9	0.58	0.58	1	79780-39-5		01/03/2023 21:50
PFTDA	ND	2.0	0.59	0.59	1	376-06-7		01/03/2023 21:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB3-0
 Lab Sample ID 10635405030
 Lab File ID B230103C_012
 Matrix Water
 Collected 11/29/2022 14:25
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 256mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	20	21	109	25-150		01/03/2023 21:50
13C5 PFPeA	20	21	106	25-150		01/03/2023 21:50
13C3 PFBS	18	19	104	25-150		01/03/2023 21:50
13C2 4:2FTS	18	21	113	25-150		01/03/2023 21:50
13C5 PFHxA	20	20	104	25-150		01/03/2023 21:50
13C4 PFHpA	20	20	104	25-150		01/03/2023 21:50
13C3 PFHxS	18	21	115	25-150		01/03/2023 21:50
13C2 6:2FTS	19	17	92	25-150		01/03/2023 21:50
13C8 PFOA	20	22	113	25-150		01/03/2023 21:50
13C9 PFNA	20	20	101	25-150		01/03/2023 21:50
13C8 PFOS	19	18	95	25-150		01/03/2023 21:50
13C2 8:2FTS	19	17	93	25-150		01/03/2023 21:50
13C6 PFDA	20	17	89	25-150		01/03/2023 21:50
d3-MeFOSAA	20	20	104	25-150		01/03/2023 21:50
13C8 PFOSA	20	18	92	25-150		01/03/2023 21:50
d5-EtFOSAA	20	18	92	25-150		01/03/2023 21:50
13C7 PFUdA	20	20	100	25-150		01/03/2023 21:50
13C2 PFDoA	20	19	100	25-150		01/03/2023 21:50
13C2 PFTeDA	20	19	98	25-150		01/03/2023 21:50
13C3 HFPO-DA	20	22	115	25-150		01/03/2023 21:50
d7-N-MeFOSE	20	16	84	10-150		01/03/2023 21:50
d9-N-EtFOSE	20	18	93	10-150		01/03/2023 21:50
d3-N-MeFOSA	20	12	60	10-150		01/03/2023 21:50
d5-N-EtFOSA	20	13	68	10-150		01/03/2023 21:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-FB3-0	Total Amount Extracted	256mL
Lab Sample ID	10635405030	Ical ID	230103A02
Lab File ID	B230103C_012	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/29/2022 14:25	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.14	29		01/03/2023 21:50
13C5 PFPeA	N/A	N/A	5.05	5.06	30		01/03/2023 21:50
13C3 PFBS	N/A	N/A	6.03	6.02	27		01/03/2023 21:50
13C2 4:2FTS	N/A	N/A	5.46	5.47	84		01/03/2023 21:50
13C5 PFHxA	N/A	N/A	5.75	5.76	19		01/03/2023 21:50
13C4 PFHpA	N/A	N/A	6.43	6.45	22		01/03/2023 21:50
13C3 PFHxS	N/A	N/A	7.52	7.54	30		01/03/2023 21:50
13C2 6:2FTS	N/A	N/A	6.75	6.77	25		01/03/2023 21:50
13C8 PFOA	N/A	N/A	7.09	7.11	27		01/03/2023 21:50
13C9 PFNA	N/A	N/A	7.74	7.78	18		01/03/2023 21:50
13C8 PFOS	N/A	N/A	8.91	8.96	23		01/03/2023 21:50
13C2 8:2FTS	N/A	N/A	8.03	8.07	18		01/03/2023 21:50
13C6 PFDA	N/A	N/A	8.41	8.46	12		01/03/2023 21:50
d3-MeFOSAA	N/A	N/A	8.27	8.31	20		01/03/2023 21:50
13C8 PFOSA	N/A	N/A	10.49	10.54	12		01/03/2023 21:50
d5-EtFOSAA	N/A	N/A	8.56	8.61	15		01/03/2023 21:50
13C7 PFUdA	N/A	N/A	9.09	9.16	23		01/03/2023 21:50
13C2 PFDoA	N/A	N/A	9.76	9.85	17		01/03/2023 21:50
13C2 PFTeDA	N/A	N/A	11.06	11.19	11		01/03/2023 21:50
13C3 HFPO-DA	N/A	N/A	6.03	6.04	24		01/03/2023 21:50
d7-N-MeFOSE	N/A	N/A	12.37	12.51	34		01/03/2023 21:50
d9-N-EtFOSE	N/A	N/A	12.85	12.97	52		01/03/2023 21:50
d3-N-MeFOSA	N/A	N/A	12.57	12.70	57		01/03/2023 21:50
d5-N-EtFOSA	N/A	N/A	13.00	13.00	80		01/03/2023 21:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-FB3-0
 Lab Sample ID 10635405030
 Lab File ID B230103C_012
 Matrix Water
 Collected 11/29/2022 14:25
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 256mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.14	ND		01/03/2023 21:50
PFPeA	N/A	N/A	5.05	5.05	ND		01/03/2023 21:50
HFPO-DA	0.43	0.28	6.05	6.05	ND		01/03/2023 21:50
PFBS	0.37	0.45	6.03	6.03	ND		01/03/2023 21:50
PFHxA	0.17	0.07	5.76	5.76	ND		01/03/2023 21:50
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 21:50
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 21:50
PFHpA	0.37	0.29	6.44	6.45	ND		01/03/2023 21:50
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 21:50
PFHxS	0.32	0.37	7.53	7.55	ND		01/03/2023 21:50
PFOA	0.29	0.41	7.10	7.11	ND		01/03/2023 21:50
6:2 FTS	1.00	0.83	6.75	6.76	ND		01/03/2023 21:50
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 21:50
PFNA	0.22	0.16	7.76	7.79	ND		01/03/2023 21:50
PFOSAm	N/A	N/A	10.50	10.55	ND		01/03/2023 21:50
PFOS	0.45	0.37	8.92	8.99	ND		01/03/2023 21:50
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 21:50
PFDA	0.07	0.16	8.43	8.47	ND		01/03/2023 21:50
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 21:50
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 21:50
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 21:50
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 21:50
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 21:50
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 21:50
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 21:50
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 21:50
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 21:50
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 21:50
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 21:50
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 21:50
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 21:50
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 21:50
PFTDA	0.33	0.21	11.06	11.21	ND		01/03/2023 21:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB1-0
 Lab Sample ID 10635405031
 Lab File ID B230103C_013
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 261mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	1.9	0.48	0.48	1	375-22-4		01/03/2023 22:10
PFPeA	ND	1.9	0.79	0.79	1	2706-90-3		01/03/2023 22:10
HFPO-DA	ND	1.9	0.47	0.47	1	13252-13-6		01/03/2023 22:10
PFBS	ND	1.7	0.47	0.47	1	375-73-5		01/03/2023 22:10
PFHxA	ND	1.9	0.87	0.87	1	307-24-4		01/03/2023 22:10
4:2 FTS	ND	1.8	0.45	0.45	1	757124-72-4		01/03/2023 22:10
PFPeS	ND	1.8	0.58	0.58	1	2706-91-4		01/03/2023 22:10
PFHpA	ND	1.9	0.66	0.66	1	375-85-9		01/03/2023 22:10
DONA	ND	1.8	0.88	0.88	1	919005-14-4		01/03/2023 22:10
PFHxS	ND	1.7	0.51	0.51	1	355-46-4		01/03/2023 22:10
PFOA	ND	1.9	0.83	0.83	1	335-67-1		01/03/2023 22:10
6:2 FTS	ND	1.8	0.65	0.65	1	27619-97-2		01/03/2023 22:10
PFHpS	ND	1.8	0.64	0.64	1	375-92-8		01/03/2023 22:10
PFNA	ND	1.9	0.76	0.76	1	375-95-1		01/03/2023 22:10
PFOSAm	ND	1.9	0.69	0.69	1	754-91-6		01/03/2023 22:10
PFOS	ND	1.8	0.64	0.64	1	1763-23-1		01/03/2023 22:10
MeFOSA	ND	1.9	0.53	0.53	1	31506-32-8		01/03/2023 22:10
PFDA	ND	1.9	0.58	0.58	1	335-76-2		01/03/2023 22:10
EtFOSAm	ND	1.9	0.55	0.55	1	4151-50-2		01/03/2023 22:10
8:2 FTS	ND	1.8	0.48	0.48	1	39108-34-4		01/03/2023 22:10
9-CI-PF3ON	ND	1.8	0.45	0.45	1	756426-58-1		01/03/2023 22:10
PFNS	ND	1.8	0.56	0.56	1	68259-12-1		01/03/2023 22:10
PFUnDA	ND	1.9	0.47	0.47	1	2058-94-8		01/03/2023 22:10
NMeFOSAA	ND	1.9	0.67	0.67	1	2355-31-9		01/03/2023 22:10
NEtFOSAA	ND	1.9	0.78	0.78	1	2991-50-6		01/03/2023 22:10
PFDS	ND	1.9	0.62	0.62	1	335-77-3		01/03/2023 22:10
PFDOA	ND	1.9	0.46	0.46	1	307-55-1		01/03/2023 22:10
MeFOSE	ND	1.9	0.50	0.50	1	24448-09-7		01/03/2023 22:10
EtFOSE	ND	1.9	0.85	0.85	1	1691-99-2		01/03/2023 22:10
11-CI-PF3OUdS	ND	1.8	0.53	0.53	1	763051-92-9		01/03/2023 22:10
PFTTrDA	ND	1.9	0.60	0.60	1	72629-94-8		01/03/2023 22:10
PFDoS	ND	1.9	0.57	0.57	1	79780-39-5		01/03/2023 22:10
PFTDA	ND	1.9	0.58	0.58	1	376-06-7		01/03/2023 22:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-TB1-0	Total Amount Extracted	261mL
Lab Sample ID	10635405031	Ical ID	230103A02
Lab File ID	B230103C_013	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	11/28/2022 08:00	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	19	21	111	25-150		01/03/2023 22:10
13C5 PFPeA	19	21	109	25-150		01/03/2023 22:10
13C3 PFBS	18	19	107	25-150		01/03/2023 22:10
13C2 4:2FTS	18	20	114	25-150		01/03/2023 22:10
13C5 PFHxA	19	21	110	25-150		01/03/2023 22:10
13C4 PFHpA	19	22	114	25-150		01/03/2023 22:10
13C3 PFHxS	18	21	113	25-150		01/03/2023 22:10
13C2 6:2FTS	18	19	102	25-150		01/03/2023 22:10
13C8 PFOA	19	23	118	25-150		01/03/2023 22:10
13C9 PFNA	19	19	98	25-150		01/03/2023 22:10
13C8 PFOS	18	15	84	25-150		01/03/2023 22:10
13C2 8:2FTS	18	17	91	25-150		01/03/2023 22:10
13C6 PFDA	19	16	84	25-150		01/03/2023 22:10
d3-MeFOSAA	19	18	95	25-150		01/03/2023 22:10
13C8 PFOSA	19	16	82	25-150		01/03/2023 22:10
d5-EtFOSAA	19	16	85	25-150		01/03/2023 22:10
13C7 PFUdA	19	17	89	25-150		01/03/2023 22:10
13C2 PFDaA	19	17	90	25-150		01/03/2023 22:10
13C2 PFTeDA	19	16	83	25-150		01/03/2023 22:10
13C3 HFPO-DA	19	21	111	25-150		01/03/2023 22:10
d7-N-MeFOSE	19	14	70	10-150		01/03/2023 22:10
d9-N-EtFOSE	19	17	89	10-150		01/03/2023 22:10
d3-N-MeFOSA	19	13	65	10-150		01/03/2023 22:10
d5-N-EtFOSA	19	13	69	10-150		01/03/2023 22:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB1-0
 Lab Sample ID 10635405031
 Lab File ID B230103C_013
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 261mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	24		01/03/2023 22:10
13C5 PFPeA	N/A	N/A	5.05	5.06	29		01/03/2023 22:10
13C3 PFBS	N/A	N/A	6.03	6.02	23		01/03/2023 22:10
13C2 4:2FTS	N/A	N/A	5.47	5.47	12		01/03/2023 22:10
13C5 PFHxA	N/A	N/A	5.76	5.76	19		01/03/2023 22:10
13C4 PFHpA	N/A	N/A	6.44	6.45	25		01/03/2023 22:10
13C3 PFHxS	N/A	N/A	7.53	7.54	29		01/03/2023 22:10
13C2 6:2FTS	N/A	N/A	6.76	6.77	42		01/03/2023 22:10
13C8 PFOA	N/A	N/A	7.10	7.11	28		01/03/2023 22:10
13C9 PFNA	N/A	N/A	7.76	7.78	20		01/03/2023 22:10
13C8 PFOS	N/A	N/A	8.91	8.96	26		01/03/2023 22:10
13C2 8:2FTS	N/A	N/A	8.05	8.07	15		01/03/2023 22:10
13C6 PFDA	N/A	N/A	8.42	8.46	15		01/03/2023 22:10
d3-MeFOSAA	N/A	N/A	8.28	8.31	21		01/03/2023 22:10
13C8 PFOSA	N/A	N/A	10.49	10.54	10		01/03/2023 22:10
d5-EtFOSAA	N/A	N/A	8.57	8.61	18		01/03/2023 22:10
13C7 PFUdA	N/A	N/A	9.09	9.16	27		01/03/2023 22:10
13C2 PFDoA	N/A	N/A	9.76	9.85	15		01/03/2023 22:10
13C2 PFTeDA	N/A	N/A	11.07	11.19	12		01/03/2023 22:10
13C3 HFPO-DA	N/A	N/A	6.04	6.04	23		01/03/2023 22:10
d7-N-MeFOSE	N/A	N/A	12.40	12.51	38		01/03/2023 22:10
d9-N-EtFOSE	N/A	N/A	12.88	12.88	45		01/03/2023 22:10
d3-N-MeFOSA	N/A	N/A	12.60	12.70	56		01/03/2023 22:10
d5-N-EtFOSA	N/A	N/A	13.03	13.11	68		01/03/2023 22:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB1-0
 Lab Sample ID 10635405031
 Lab File ID B230103C_013
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 261mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.14	ND		01/03/2023 22:10
PFPeA	N/A	N/A	5.06	5.05	ND		01/03/2023 22:10
HFPO-DA	0.34	0.28	6.05	6.05	ND		01/03/2023 22:10
PFBS	0.46	0.45	6.04	6.03	ND		01/03/2023 22:10
PFHxA	0.12	0.07	5.76	5.76	ND		01/03/2023 22:10
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 22:10
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 22:10
PFHpA	0.33	0.29	6.45	6.45	ND		01/03/2023 22:10
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 22:10
PFHxS	0.48	0.37	7.53	7.55	ND		01/03/2023 22:10
PFOA	0.38	0.41	7.11	7.11	ND		01/03/2023 22:10
6:2 FTS	1.20	0.83	6.76	6.76	ND		01/03/2023 22:10
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 22:10
PFNA	0.19	0.16	7.77	7.79	ND		01/03/2023 22:10
PFOSAm	N/A	N/A	10.49	10.55	ND		01/03/2023 22:10
PFOS	0.42	0.37	8.93	8.99	ND		01/03/2023 22:10
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 22:10
PFDA	0.00	0.16	0.00	8.47	ND		01/03/2023 22:10
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 22:10
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 22:10
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 22:10
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 22:10
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 22:10
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 22:10
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 22:10
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 22:10
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 22:10
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 22:10
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 22:10
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 22:10
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 22:10
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 22:10
PFTDA	0.40	0.21	11.10	11.21	ND		01/03/2023 22:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB2-0
 Lab Sample ID 10635405032
 Lab File ID B230103C_015
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 257mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	1.9	0.48	0.48	1	375-22-4		01/03/2023 22:50
PFPeA	ND	1.9	0.80	0.80	1	2706-90-3		01/03/2023 22:50
HFPO-DA	ND	1.9	0.48	0.48	1	13252-13-6		01/03/2023 22:50
PFBS	ND	1.7	0.47	0.47	1	375-73-5		01/03/2023 22:50
PFHxA	ND	1.9	0.88	0.88	1	307-24-4		01/03/2023 22:50
4:2 FTS	ND	1.8	0.45	0.45	1	757124-72-4		01/03/2023 22:50
PFPeS	ND	1.8	0.58	0.58	1	2706-91-4		01/03/2023 22:50
PFHpA	ND	1.9	0.67	0.67	1	375-85-9		01/03/2023 22:50
DONA	ND	1.8	0.89	0.89	1	919005-14-4		01/03/2023 22:50
PFHxS	ND	1.8	0.52	0.52	1	355-46-4		01/03/2023 22:50
PFOA	ND	1.9	0.84	0.84	1	335-67-1		01/03/2023 22:50
6:2 FTS	ND	1.8	0.66	0.66	1	27619-97-2		01/03/2023 22:50
PFHpS	ND	1.8	0.65	0.65	1	375-92-8		01/03/2023 22:50
PFNA	ND	1.9	0.77	0.77	1	375-95-1		01/03/2023 22:50
PFOSAm	ND	1.9	0.70	0.70	1	754-91-6		01/03/2023 22:50
PFOS	ND	1.8	0.65	0.65	1	1763-23-1		01/03/2023 22:50
MeFOSA	ND	1.9	0.54	0.54	1	31506-32-8		01/03/2023 22:50
PFDA	ND	1.9	0.59	0.59	1	335-76-2		01/03/2023 22:50
EtFOSAm	ND	1.9	0.56	0.56	1	4151-50-2		01/03/2023 22:50
8:2 FTS	ND	1.9	0.49	0.49	1	39108-34-4		01/03/2023 22:50
9-CI-PF3ON	ND	1.8	0.46	0.46	1	756426-58-1		01/03/2023 22:50
PFNS	ND	1.9	0.57	0.57	1	68259-12-1		01/03/2023 22:50
PFUnDA	ND	1.9	0.47	0.47	1	2058-94-8		01/03/2023 22:50
NMeFOSAA	ND	1.9	0.67	0.67	1	2355-31-9		01/03/2023 22:50
NEtFOSAA	ND	1.9	0.79	0.79	1	2991-50-6		01/03/2023 22:50
PFDS	ND	1.9	0.62	0.62	1	335-77-3		01/03/2023 22:50
PFDOA	ND	1.9	0.47	0.47	1	307-55-1		01/03/2023 22:50
MeFOSE	ND	1.9	0.51	0.51	1	24448-09-7		01/03/2023 22:50
EtFOSE	ND	1.9	0.86	0.86	1	1691-99-2		01/03/2023 22:50
11-CI-PF3OUdS	ND	1.8	0.54	0.54	1	763051-92-9		01/03/2023 22:50
PFTTrDA	ND	1.9	0.60	0.60	1	72629-94-8		01/03/2023 22:50
PFDoS	ND	1.9	0.57	0.57	1	79780-39-5		01/03/2023 22:50
PFTDA	ND	1.9	0.58	0.58	1	376-06-7		01/03/2023 22:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB2-0
 Lab Sample ID 10635405032
 Lab File ID B230103C_015
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 257mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	19	16	81	25-150		01/03/2023 22:50
13C5 PFPeA	19	15	76	25-150		01/03/2023 22:50
13C3 PFBS	18	14	75	25-150		01/03/2023 22:50
13C2 4:2FTS	18	14	79	25-150		01/03/2023 22:50
13C5 PFHxA	19	16	81	25-150		01/03/2023 22:50
13C4 PFHpA	19	15	75	25-150		01/03/2023 22:50
13C3 PFHxS	18	14	77	25-150		01/03/2023 22:50
13C2 6:2FTS	18	13	69	25-150		01/03/2023 22:50
13C8 PFOA	19	15	75	25-150		01/03/2023 22:50
13C9 PFNA	19	14	70	25-150		01/03/2023 22:50
13C8 PFOS	19	13	67	25-150		01/03/2023 22:50
13C2 8:2FTS	19	12	63	25-150		01/03/2023 22:50
13C6 PFDA	19	12	60	25-150		01/03/2023 22:50
d3-MeFOSAA	19	10	53	25-150		01/03/2023 22:50
13C8 PFOSA	19	11	58	25-150		01/03/2023 22:50
d5-EtFOSAA	19	11	55	25-150		01/03/2023 22:50
13C7 PFUdA	19	11	55	25-150		01/03/2023 22:50
13C2 PFDoA	19	11	59	25-150		01/03/2023 22:50
13C2 PFTeDA	19	10	53	25-150		01/03/2023 22:50
13C3 HFPO-DA	19	15	79	25-150		01/03/2023 22:50
d7-N-MeFOSE	19	11	55	10-150		01/03/2023 22:50
d9-N-EtFOSE	19	11	56	10-150		01/03/2023 22:50
d3-N-MeFOSA	19	7.5	38	10-150		01/03/2023 22:50
d5-N-EtFOSA	19	7.8	40	10-150		01/03/2023 22:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	MEWI-S-TB2-0	Total Amount Extracted	257mL
Lab Sample ID	10635405032	Ical ID	230103A02
Lab File ID	B230103C_015	CCal File	B230103C_014
Matrix	Water	Ending CCal File	B230103C_025
Collected	11/28/2022 08:00	Blank File	B230103C_004
Received	12/01/2022 08:50		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	22		01/03/2023 22:50
13C5 PFPeA	N/A	N/A	5.05	5.06	23		01/03/2023 22:50
13C3 PFBS	N/A	N/A	6.04	6.02	20		01/03/2023 22:50
13C2 4:2FTS	N/A	N/A	5.47	5.47	10		01/03/2023 22:50
13C5 PFHxA	N/A	N/A	5.77	5.76	16		01/03/2023 22:50
13C4 PFHpA	N/A	N/A	6.47	6.45	24		01/03/2023 22:50
13C3 PFHxS	N/A	N/A	7.55	7.54	26		01/03/2023 22:50
13C2 6:2FTS	N/A	N/A	6.79	6.77	21		01/03/2023 22:50
13C8 PFOA	N/A	N/A	7.13	7.11	27		01/03/2023 22:50
13C9 PFNA	N/A	N/A	7.78	7.78	21		01/03/2023 22:50
13C8 PFOS	N/A	N/A	8.93	8.96	21		01/03/2023 22:50
13C2 8:2FTS	N/A	N/A	8.06	8.07	18		01/03/2023 22:50
13C6 PFDA	N/A	N/A	8.44	8.46	16		01/03/2023 22:50
d3-MeFOSAA	N/A	N/A	8.30	8.31	14		01/03/2023 22:50
13C8 PFOSA	N/A	N/A	10.55	10.54	13		01/03/2023 22:50
d5-EtFOSAA	N/A	N/A	8.59	8.61	11		01/03/2023 22:50
13C7 PFUdA	N/A	N/A	9.11	9.16	18		01/03/2023 22:50
13C2 PFDaA	N/A	N/A	9.80	9.85	12		01/03/2023 22:50
13C2 PFTeDA	N/A	N/A	11.13	11.19	10		01/03/2023 22:50
13C3 HFPO-DA	N/A	N/A	6.06	6.04	17		01/03/2023 22:50
d7-N-MeFOSE	N/A	N/A	12.45	12.51	42		01/03/2023 22:50
d9-N-EtFOSE	N/A	N/A	12.92	12.97	43		01/03/2023 22:50
d3-N-MeFOSA	N/A	N/A	12.65	12.70	64		01/03/2023 22:50
d5-N-EtFOSA	N/A	N/A	13.08	13.11	64		01/03/2023 22:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB2-0
 Lab Sample ID 10635405032
 Lab File ID B230103C_015
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 257mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.14	ND		01/03/2023 22:50
PFPeA	N/A	N/A	5.05	5.05	ND		01/03/2023 22:50
HFPO-DA	0.00	0.32	0.00	6.05	ND		01/03/2023 22:50
PFBS	0.58	0.42	6.05	6.03	ND		01/03/2023 22:50
PFHxA	0.13	0.07	5.78	5.76	ND		01/03/2023 22:50
4:2 FTS	0.00	0.86	0.00	5.48	ND		01/03/2023 22:50
PFPeS	0.00	0.47	0.00	6.82	ND		01/03/2023 22:50
PFHpA	0.51	0.30	6.46	6.45	ND		01/03/2023 22:50
DONA	0.00	0.61	0.00	6.70	ND		01/03/2023 22:50
PFHxS	0.00	0.37	0.00	7.55	ND		01/03/2023 22:50
PFOA	0.85	0.41	7.13	7.11	ND		01/03/2023 22:50
6:2 FTS	1.30	0.91	6.80	6.76	ND		01/03/2023 22:50
PFHpS	0.00	0.31	0.00	8.27	ND		01/03/2023 22:50
PFNA	0.19	0.15	7.79	7.79	ND		01/03/2023 22:50
PFOSAm	N/A	N/A	10.55	10.55	ND		01/03/2023 22:50
PFOS	0.24	0.34	8.94	8.99	ND		01/03/2023 22:50
MeFOSA	0.00	0.51	0.00	12.74	ND		01/03/2023 22:50
PFDA	0.32	0.17	8.47	8.47	ND		01/03/2023 22:50
EtFOSAm	0.00	0.54	0.00	13.16	ND		01/03/2023 22:50
8:2 FTS	0.00	0.98	0.00	8.08	ND		01/03/2023 22:50
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 22:50
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 22:50
PFUnDA	0.00	0.12	0.00	9.17	ND		01/03/2023 22:50
NMeFOSAA	0.00	0.75	0.00	8.32	ND		01/03/2023 22:50
NEtFOSAA	0.00	0.62	0.00	8.62	ND		01/03/2023 22:50
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 22:50
PFDOA	0.00	0.20	0.00	9.86	ND		01/03/2023 22:50
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 22:50
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 22:50
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 22:50
PFTTrDA	0.00	0.18	0.00	10.54	ND		01/03/2023 22:50
PFDoS	0.00	0.46	0.00	11.61	ND		01/03/2023 22:50
PFTDA	0.00	0.21	0.00	11.21	ND		01/03/2023 22:50

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB3-0
 Lab Sample ID 10635405033
 Lab File ID B230103C_016
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 251mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.0	0.50	0.50	1	375-22-4		01/03/2023 23:11
PFPeA	ND	2.0	0.82	0.82	1	2706-90-3		01/03/2023 23:11
HFPO-DA	ND	2.0	0.49	0.49	1	13252-13-6		01/03/2023 23:11
PFBS	ND	1.8	0.48	0.48	1	375-73-5		01/03/2023 23:11
PFHxA	ND	2.0	0.91	0.91	1	307-24-4		01/03/2023 23:11
4:2 FTS	ND	1.9	0.46	0.46	1	757124-72-4		01/03/2023 23:11
PFPeS	ND	1.9	0.60	0.60	1	2706-91-4		01/03/2023 23:11
PFHpA	ND	2.0	0.69	0.69	1	375-85-9		01/03/2023 23:11
DONA	ND	1.9	0.91	0.91	1	919005-14-4		01/03/2023 23:11
PFHxS	ND	1.8	0.53	0.53	1	355-46-4		01/03/2023 23:11
PFOA	ND	2.0	0.86	0.86	1	335-67-1		01/03/2023 23:11
6:2 FTS	ND	1.9	0.67	0.67	1	27619-97-2		01/03/2023 23:11
PFHpS	ND	1.9	0.67	0.67	1	375-92-8		01/03/2023 23:11
PFNA	ND	2.0	0.79	0.79	1	375-95-1		01/03/2023 23:11
PFOSAm	ND	2.0	0.71	0.71	1	754-91-6		01/03/2023 23:11
PFOS	ND	1.8	0.66	0.66	1	1763-23-1		01/03/2023 23:11
MeFOSA	ND	2.0	0.55	0.55	1	31506-32-8		01/03/2023 23:11
PFDA	ND	2.0	0.61	0.61	1	335-76-2		01/03/2023 23:11
EtFOSAm	ND	2.0	0.57	0.57	1	4151-50-2		01/03/2023 23:11
8:2 FTS	ND	1.9	0.50	0.50	1	39108-34-4		01/03/2023 23:11
9-CI-PF3ON	ND	1.9	0.47	0.47	1	756426-58-1		01/03/2023 23:11
PFNS	ND	1.9	0.58	0.58	1	68259-12-1		01/03/2023 23:11
PFUnDA	ND	2.0	0.48	0.48	1	2058-94-8		01/03/2023 23:11
NMeFOSAA	ND	2.0	0.69	0.69	1	2355-31-9		01/03/2023 23:11
NEtFOSAA	ND	2.0	0.81	0.81	1	2991-50-6		01/03/2023 23:11
PFDS	ND	1.9	0.64	0.64	1	335-77-3		01/03/2023 23:11
PFDOA	ND	2.0	0.48	0.48	1	307-55-1		01/03/2023 23:11
MeFOSE	ND	2.0	0.52	0.52	1	24448-09-7		01/03/2023 23:11
EtFOSE	ND	2.0	0.89	0.89	1	1691-99-2		01/03/2023 23:11
11-CI-PF3OUdS	ND	1.9	0.55	0.55	1	763051-92-9		01/03/2023 23:11
PFTTrDA	ND	2.0	0.62	0.62	1	72629-94-8		01/03/2023 23:11
PFDoS	ND	1.9	0.59	0.59	1	79780-39-5		01/03/2023 23:11
PFTDA	ND	2.0	0.60	0.60	1	376-06-7		01/03/2023 23:11

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB3-0
 Lab Sample ID 10635405033
 Lab File ID B230103C_016
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 251mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	20	19	96	50-150		01/03/2023 23:11
13C5 PFPeA	20	19	93	50-150		01/03/2023 23:11
13C3 PFBS	19	16	88	50-150		01/03/2023 23:11
13C2 4:2FTS	19	16	88	50-150		01/03/2023 23:11
13C5 PFHxA	20	19	95	50-150		01/03/2023 23:11
13C4 PFHpA	20	19	93	50-150		01/03/2023 23:11
13C3 PFHxS	19	16	86	50-150		01/03/2023 23:11
13C2 6:2FTS	19	16	84	50-150		01/03/2023 23:11
13C8 PFOA	20	18	92	50-150		01/03/2023 23:11
13C9 PFNA	20	16	79	50-150		01/03/2023 23:11
13C8 PFOS	19	14	75	50-150		01/03/2023 23:11
13C2 8:2FTS	19	14	73	50-150		01/03/2023 23:11
13C6 PFDA	20	13	64	50-150		01/03/2023 23:11
d3-MeFOSAA	20	13	66	50-150		01/03/2023 23:11
13C8 PFOSA	20	14	70	50-150		01/03/2023 23:11
d5-EtFOSAA	20	13	67	50-150		01/03/2023 23:11
13C7 PFUdA	20	14	69	50-150		01/03/2023 23:11
13C2 PFDaA	20	14	69	50-150		01/03/2023 23:11
13C2 PFTeDA	20	13	63	50-150		01/03/2023 23:11
13C3 HFPO-DA	20	19	95	50-150		01/03/2023 23:11
d7-N-MeFOSE	20	13	64	10-150		01/03/2023 23:11
d9-N-EtFOSE	20	12	61	10-150		01/03/2023 23:11
d3-N-MeFOSA	20	11	54	10-150		01/03/2023 23:11
d5-N-EtFOSA	20	10	51	10-150		01/03/2023 23:11

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB3-0
 Lab Sample ID 10635405033
 Lab File ID B230103C_016
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 251mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	28		01/03/2023 23:11
13C5 PFPeA	N/A	N/A	5.06	5.06	26		01/03/2023 23:11
13C3 PFBS	N/A	N/A	6.05	6.02	31		01/03/2023 23:11
13C2 4:2FTS	N/A	N/A	5.49	5.47	10		01/03/2023 23:11
13C5 PFHxA	N/A	N/A	5.78	5.76	16		01/03/2023 23:11
13C4 PFHpA	N/A	N/A	6.47	6.45	21		01/03/2023 23:11
13C3 PFHxS	N/A	N/A	7.56	7.54	22		01/03/2023 23:11
13C2 6:2FTS	N/A	N/A	6.79	6.77	14		01/03/2023 23:11
13C8 PFOA	N/A	N/A	7.13	7.11	29		01/03/2023 23:11
13C9 PFNA	N/A	N/A	7.79	7.78	18		01/03/2023 23:11
13C8 PFOS	N/A	N/A	8.93	8.96	20		01/03/2023 23:11
13C2 8:2FTS	N/A	N/A	8.07	8.07	28		01/03/2023 23:11
13C6 PFDA	N/A	N/A	8.45	8.46	15		01/03/2023 23:11
d3-MeFOSAA	N/A	N/A	8.31	8.31	17		01/03/2023 23:11
13C8 PFOSA	N/A	N/A	10.53	10.54	12		01/03/2023 23:11
d5-EtFOSAA	N/A	N/A	8.60	8.61	97		01/03/2023 23:11
13C7 PFUdA	N/A	N/A	9.12	9.16	22		01/03/2023 23:11
13C2 PFDoA	N/A	N/A	9.79	9.85	13		01/03/2023 23:11
13C2 PFTeDA	N/A	N/A	11.11	11.19	12		01/03/2023 23:11
13C3 HFPO-DA	N/A	N/A	6.06	6.04	19		01/03/2023 23:11
d7-N-MeFOSE	N/A	N/A	12.44	12.51	40		01/03/2023 23:11
d9-N-EtFOSE	N/A	N/A	12.91	12.97	46		01/03/2023 23:11
d3-N-MeFOSA	N/A	N/A	12.63	12.70	63		01/03/2023 23:11
d5-N-EtFOSA	N/A	N/A	13.07	13.11	71		01/03/2023 23:11

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Sample Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID MEWI-S-TB3-0
 Lab Sample ID 10635405033
 Lab File ID B230103C_016
 Matrix Water
 Collected 11/28/2022 08:00
 Received 12/01/2022 08:50
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 251mL
 Ical ID 230103A02
 CCal File B230103C_014
 Ending CCal File B230103C_025
 Blank File B230103C_004

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.16	4.14	ND		01/03/2023 23:11
PFPeA	N/A	N/A	5.07	5.05	ND		01/03/2023 23:11
HFPO-DA	0.00	0.32	0.00	6.05	ND		01/03/2023 23:11
PFBS	0.78	0.42	6.05	6.03	ND		01/03/2023 23:11
PFHxA	0.00	0.07	0.00	5.76	ND		01/03/2023 23:11
4:2 FTS	0.00	0.86	0.00	5.48	ND		01/03/2023 23:11
PFPeS	0.00	0.47	0.00	6.82	ND		01/03/2023 23:11
PFHpA	0.23	0.30	6.48	6.45	ND		01/03/2023 23:11
DONA	0.00	0.61	0.00	6.70	ND		01/03/2023 23:11
PFHxS	0.00	0.37	0.00	7.55	ND		01/03/2023 23:11
PFOA	0.36	0.41	7.13	7.11	ND		01/03/2023 23:11
6:2 FTS	0.84	0.91	6.80	6.76	ND		01/03/2023 23:11
PFHpS	0.00	0.31	0.00	8.27	ND		01/03/2023 23:11
PFNA	0.00	0.15	0.00	7.79	ND		01/03/2023 23:11
PFOSAm	N/A	N/A	10.53	10.55	ND		01/03/2023 23:11
PFOS	0.26	0.34	8.95	8.99	ND		01/03/2023 23:11
MeFOSA	0.00	0.51	0.00	12.74	ND		01/03/2023 23:11
PFDA	0.09	0.17	8.46	8.47	ND		01/03/2023 23:11
EtFOSAm	0.00	0.54	0.00	13.16	ND		01/03/2023 23:11
8:2 FTS	0.00	0.98	0.00	8.08	ND		01/03/2023 23:11
9-Cl-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 23:11
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 23:11
PFUnDA	0.00	0.12	0.00	9.17	ND		01/03/2023 23:11
NMeFOSAA	0.00	0.75	0.00	8.32	ND		01/03/2023 23:11
NEtFOSAA	0.00	0.62	0.00	8.62	ND		01/03/2023 23:11
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 23:11
PFDOA	0.00	0.20	0.00	9.86	ND		01/03/2023 23:11
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 23:11
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 23:11
11-Cl-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 23:11
PFTrDA	0.00	0.18	0.00	10.54	ND		01/03/2023 23:11
PFDoS	0.00	0.46	0.00	11.61	ND		01/03/2023 23:11
PFTDA	0.34	0.21	11.10	11.21	ND		01/03/2023 23:11

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKDW
 Lab Sample ID BLANK-103023
 Lab File ID B221220C_007
 Matrix Soil
 Collected 12/14/2022 18:10
 Received 12/14/2022 18:10
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.01g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.100	0.028	0.028	1	375-22-4		12/20/2022 22:39
PFPeA	ND	0.100	0.028	0.028	1	2706-90-3		12/20/2022 22:39
HFPO-DA	ND	0.100	0.028	0.028	1	13252-13-6		12/20/2022 22:39
PFBS	ND	0.088	0.026	0.026	1	375-73-5		12/20/2022 22:39
PFHxA	ND	0.100	0.027	0.027	1	307-24-4		12/20/2022 22:39
4:2 FTS	ND	0.093	0.023	0.023	1	757124-72-4		12/20/2022 22:39
PFPeS	ND	0.094	0.024	0.024	1	2706-91-4		12/20/2022 22:39
PFHpA	ND	0.100	0.035	0.035	1	375-85-9		12/20/2022 22:39
DONA	ND	0.094	0.036	0.036	1	919005-14-4		12/20/2022 22:39
PFHxS	ND	0.091	0.022	0.022	1	355-46-4		12/20/2022 22:39
PFOA	ND	0.100	0.031	0.031	1	335-67-1		12/20/2022 22:39
6:2 FTS	ND	0.095	0.041	0.041	1	27619-97-2		12/20/2022 22:39
PFHpS	ND	0.095	0.028	0.028	1	375-92-8		12/20/2022 22:39
PFNA	ND	0.100	0.031	0.031	1	375-95-1		12/20/2022 22:39
PFOSAm	ND	0.100	0.029	0.029	1	754-91-6		12/20/2022 22:39
PFOS	ND	0.092	0.030	0.030	1	1763-23-1		12/20/2022 22:39
MeFOSA	ND	0.100	0.027	0.027	1	31506-32-8		12/20/2022 22:39
PFDA	ND	0.100	0.023	0.023	1	335-76-2		12/20/2022 22:39
EtFOSAm	ND	0.100	0.026	0.026	1	4151-50-2		12/20/2022 22:39
8:2 FTS	ND	0.096	0.044	0.044	1	39108-34-4		12/20/2022 22:39
9-CI-PF3ON	ND	0.093	0.025	0.025	1	756426-58-1		12/20/2022 22:39
PFNS	ND	0.096	0.035	0.035	1	68259-12-1		12/20/2022 22:39
PFUnDA	ND	0.100	0.030	0.030	1	2058-94-8		12/20/2022 22:39
NMeFOSAA	ND	0.100	0.028	0.028	1	2355-31-9		12/20/2022 22:39
NEtFOSAA	ND	0.100	0.040	0.040	1	2991-50-6		12/20/2022 22:39
PFDS	ND	0.096	0.028	0.028	1	335-77-3		12/20/2022 22:39
PFDOA	ND	0.100	0.033	0.033	1	307-55-1		12/20/2022 22:39
MeFOSE	ND	0.100	0.030	0.030	1	24448-09-7		12/20/2022 22:39
EtFOSE	ND	0.100	0.032	0.032	1	1691-99-2		12/20/2022 22:39
11-CI-PF3OUdS	ND	0.094	0.025	0.025	1	763051-92-9		12/20/2022 22:39
PFTTrDA	ND	0.100	0.032	0.032	1	72629-94-8		12/20/2022 22:39
PFDoS	ND	0.097	0.026	0.026	1	79780-39-5		12/20/2022 22:39
PFTDA	ND	0.100	0.034	0.034	1	376-06-7		12/20/2022 22:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	BLKDW	Total Amount Extracted	5.01g
Lab Sample ID	BLANK-103023	Ical ID	221219A02
Lab File ID	B221220C_007	CCal File	B221220C_005
Matrix	Soil	Ending CCal File	B221220C_017
Collected	12/14/2022 18:10	Blank File	
Received	12/14/2022 18:10		
Extraction Date	12/16/2022 07:59		

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	1.00	0.78	78	50-150		12/20/2022 22:39
13C5 PFPeA	1.00	0.76	76	50-150		12/20/2022 22:39
13C3 PFBS	0.93	0.70	76	50-150		12/20/2022 22:39
13C2 4:2FTS	0.93	0.72	77	50-150		12/20/2022 22:39
13C5 PFHxA	1.00	0.73	73	50-150		12/20/2022 22:39
13C4 PFHpA	1.00	0.75	75	50-150		12/20/2022 22:39
13C3 PFHxS	0.94	0.70	74	50-150		12/20/2022 22:39
13C2 6:2FTS	0.95	0.66	70	50-150		12/20/2022 22:39
13C8 PFOA	1.00	0.71	71	50-150		12/20/2022 22:39
13C9 PFNA	1.00	0.71	71	50-150		12/20/2022 22:39
13C8 PFOS	0.96	0.74	77	50-150		12/20/2022 22:39
13C2 8:2FTS	0.96	0.77	81	50-150		12/20/2022 22:39
13C6 PFDA	1.00	0.81	81	50-150		12/20/2022 22:39
d3-MeFOSAA	1.00	0.72	72	50-150		12/20/2022 22:39
13C8 PFOSA	1.00	0.73	73	50-150		12/20/2022 22:39
d5-EtFOSAA	1.00	0.71	71	50-150		12/20/2022 22:39
13C7 PFUdA	1.00	0.82	82	50-150		12/20/2022 22:39
13C2 PFDoA	1.00	0.76	77	50-150		12/20/2022 22:39
13C2 PFTeDA	1.00	0.72	73	50-150		12/20/2022 22:39
13C3 HFPO-DA	1.00	0.71	71	50-150		12/20/2022 22:39
d7-N-MeFOSE	1.00	0.71	71	20-150		12/20/2022 22:39
d9-N-EtFOSE	1.00	0.75	75	20-150		12/20/2022 22:39
d3-N-MeFOSA	1.00	0.64	64	20-150		12/20/2022 22:39
d5-N-EtFOSA	1.00	0.63	63	20-150		12/20/2022 22:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKDW
 Lab Sample ID BLANK-103023
 Lab File ID B221220C_007
 Matrix Soil
 Collected 12/14/2022 18:10
 Received 12/14/2022 18:10
 Extraction Date 12/16/2022 07:59

Total Amount Extracted 5.01g
 Ical ID 221219A02
 CCal File B221220C_005
 Ending CCal File B221220C_017
 Blank File

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.19	4.20	27		12/20/2022 22:39
13C5 PFPeA	N/A	N/A	5.06	5.06	29		12/20/2022 22:39
13C3 PFBS	N/A	N/A	6.02	6.05	21		12/20/2022 22:39
13C2 4:2FTS	N/A	N/A	5.48	5.50	74		12/20/2022 22:39
13C5 PFHxA	N/A	N/A	5.76	5.78	21		12/20/2022 22:39
13C4 PFHpA	N/A	N/A	6.43	6.45	20		12/20/2022 22:39
13C3 PFHxS	N/A	N/A	7.53	7.58	31		12/20/2022 22:39
13C2 6:2FTS	N/A	N/A	6.75	6.77	96		12/20/2022 22:39
13C8 PFOA	N/A	N/A	7.10	7.13	29		12/20/2022 22:39
13C9 PFNA	N/A	N/A	7.76	7.78	20		12/20/2022 22:39
13C8 PFOS	N/A	N/A	8.93	8.98	12		12/20/2022 22:39
13C2 8:2FTS	N/A	N/A	8.05	8.07	97		12/20/2022 22:39
13C6 PFDA	N/A	N/A	8.43	8.46	13		12/20/2022 22:39
d3-MeFOSAA	N/A	N/A	8.29	8.31	14		12/20/2022 22:39
13C8 PFOSA	N/A	N/A	10.57	10.62	13		12/20/2022 22:39
d5-EtFOSAA	N/A	N/A	8.59	8.61	10		12/20/2022 22:39
13C7 PFUdA	N/A	N/A	9.11	9.16	31		12/20/2022 22:39
13C2 PFDaA	N/A	N/A	9.80	9.85	14		12/20/2022 22:39
13C2 PFTeDA	N/A	N/A	11.16	11.21	14		12/20/2022 22:39
13C3 HFPO-DA	N/A	N/A	6.03	6.03	16		12/20/2022 22:39
d7-N-MeFOSE	N/A	N/A	12.51	12.54	45		12/20/2022 22:39
d9-N-EtFOSE	N/A	N/A	12.98	13.00	38		12/20/2022 22:39
d3-N-MeFOSA	N/A	N/A	12.72	12.73	86		12/20/2022 22:39
d5-N-EtFOSA	N/A	N/A	13.14	13.15	65		12/20/2022 22:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	BLKDW	Total Amount Extracted	5.01g
Lab Sample ID	BLANK-103023	Ical ID	221219A02
Lab File ID	B221220C_007	CCal File	B221220C_005
Matrix	Soil	Ending CCal File	B221220C_017
Collected	12/14/2022 18:10	Blank File	
Received	12/14/2022 18:10		
Extraction Date	12/16/2022 07:59		

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.19	4.20	ND		12/20/2022 22:39
PFPeA	N/A	N/A	5.07	5.06	ND		12/20/2022 22:39
HFPO-DA	0.36	0.34	6.04	6.04	ND		12/20/2022 22:39
PFBS	0.00	0.44	0.00	6.03	ND		12/20/2022 22:39
PFHxA	0.00	0.07	0.00	5.76	ND		12/20/2022 22:39
4:2 FTS	0.00	0.81	0.00	5.50	ND		12/20/2022 22:39
PFPeS	0.00	0.39	0.00	6.83	ND		12/20/2022 22:39
PFHpA	0.39	0.32	6.44	6.46	ND		12/20/2022 22:39
DONA	0.00	0.63	0.00	6.70	ND		12/20/2022 22:39
PFHxS	0.00	0.37	0.00	7.58	ND		12/20/2022 22:39
PFOA	0.17	0.39	7.11	7.11	ND		12/20/2022 22:39
6:2 FTS	1.10	0.75	6.75	6.76	ND		12/20/2022 22:39
PFHpS	0.00	0.37	0.00	8.27	ND		12/20/2022 22:39
PFNA	0.00	0.17	0.00	7.79	ND		12/20/2022 22:39
PFOSAm	N/A	N/A	0.00	10.71	ND		12/20/2022 22:39
PFOS	0.44	0.45	8.94	9.11	ND		12/20/2022 22:39
MeFOSA	0.00	0.66	0.00	12.78	ND		12/20/2022 22:39
PFDA	0.00	0.18	0.00	8.53	ND		12/20/2022 22:39
EtFOSAm	0.00	0.51	0.00	13.20	ND		12/20/2022 22:39
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/20/2022 22:39
9-CI-PF3ON	0.00	0.07	0.00	9.49	ND		12/20/2022 22:39
PFNS	0.00	0.41	0.00	9.68	ND		12/20/2022 22:39
PFUnDA	0.00	0.13	0.00	9.17	ND		12/20/2022 22:39
NMeFOSAA	0.00	0.84	0.00	8.32	ND		12/20/2022 22:39
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/20/2022 22:39
PFDS	0.00	0.33	0.00	10.37	ND		12/20/2022 22:39
PFDOA	0.00	0.17	0.00	9.86	ND		12/20/2022 22:39
MeFOSE	N/A	N/A	0.00	12.59	ND		12/20/2022 22:39
EtFOSE	0.00	0.00	0.00	13.04	ND		12/20/2022 22:39
11-CI-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/20/2022 22:39
PFTTrDA	0.00	0.18	0.00	10.54	ND		12/20/2022 22:39
PFDoS	0.00	0.49	0.00	11.64	ND		12/20/2022 22:39
PFTDA	0.00	0.26	0.00	11.21	ND		12/20/2022 22:39

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKHR
 Lab Sample ID BLANK-103266
 Lab File ID B221222A_004
 Matrix Soil
 Collected 12/29/2022 13:00
 Received 12/29/2022 13:00
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File

Compound	Concentration (ug/Kg)	QL (ug/Kg)	RL (ug/Kg)	MDL (ug/Kg)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	0.10	0.028	0.028	1	375-22-4		12/22/2022 05:21
PFPeA	ND	0.10	0.029	0.029	1	2706-90-3		12/22/2022 05:21
HFPO-DA	ND	0.10	0.028	0.028	1	13252-13-6		12/22/2022 05:21
PFBS	ND	0.088	0.026	0.026	1	375-73-5		12/22/2022 05:21
PFHxA	ND	0.10	0.028	0.028	1	307-24-4		12/22/2022 05:21
4:2 FTS	ND	0.094	0.023	0.023	1	757124-72-4		12/22/2022 05:21
PFPeS	ND	0.094	0.024	0.024	1	2706-91-4		12/22/2022 05:21
PFHpA	ND	0.10	0.035	0.035	1	375-85-9		12/22/2022 05:21
DONA	ND	0.095	0.036	0.036	1	919005-14-4		12/22/2022 05:21
PFHxS	ND	0.091	0.022	0.022	1	355-46-4		12/22/2022 05:21
PFOA	ND	0.10	0.031	0.031	1	335-67-1		12/22/2022 05:21
6:2 FTS	ND	0.095	0.041	0.041	1	27619-97-2		12/22/2022 05:21
PFHpS	ND	0.095	0.028	0.028	1	375-92-8		12/22/2022 05:21
PFNA	ND	0.10	0.031	0.031	1	375-95-1		12/22/2022 05:21
PFOSAm	ND	0.10	0.029	0.029	1	754-91-6		12/22/2022 05:21
PFOS	ND	0.092	0.030	0.030	1	1763-23-1		12/22/2022 05:21
MeFOSA	ND	0.10	0.027	0.027	1	31506-32-8		12/22/2022 05:21
PFDA	ND	0.10	0.023	0.023	1	335-76-2		12/22/2022 05:21
EtFOSAm	ND	0.10	0.026	0.026	1	4151-50-2		12/22/2022 05:21
8:2 FTS	ND	0.096	0.044	0.044	1	39108-34-4		12/22/2022 05:21
9-CI-PF3ON	ND	0.093	0.025	0.025	1	756426-58-1		12/22/2022 05:21
PFNS	ND	0.096	0.035	0.035	1	68259-12-1		12/22/2022 05:21
PFUnDA	ND	0.10	0.030	0.030	1	2058-94-8		12/22/2022 05:21
NMeFOSAA	ND	0.10	0.028	0.028	1	2355-31-9		12/22/2022 05:21
NEtFOSAA	ND	0.10	0.040	0.040	1	2991-50-6		12/22/2022 05:21
PFDS	ND	0.096	0.028	0.028	1	335-77-3		12/22/2022 05:21
PFDOA	ND	0.10	0.033	0.033	1	307-55-1		12/22/2022 05:21
MeFOSE	ND	0.10	0.030	0.030	1	24448-09-7		12/22/2022 05:21
EtFOSE	ND	0.10	0.032	0.032	1	1691-99-2		12/22/2022 05:21
11-CI-PF3OUdS	ND	0.094	0.025	0.025	1	763051-92-9		12/22/2022 05:21
PFTTrDA	ND	0.10	0.032	0.032	1	72629-94-8		12/22/2022 05:21
PFDoS	ND	0.097	0.026	0.026	1	79780-39-5		12/22/2022 05:21
PFTDA	ND	0.10	0.034	0.034	1	376-06-7		12/22/2022 05:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	BLKHR	Total Amount Extracted	5.00g
Lab Sample ID	BLANK-103266	Ical ID	221219A02
Lab File ID	B221222A_004	CCal File	B221222A_002
Matrix	Soil	Ending CCal File	B221222A_014
Collected	12/29/2022 13:00	Blank File	
Received	12/29/2022 13:00		
Extraction Date	12/16/2022 09:14		

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc.Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	1.0	0.99	99	50-150		12/22/2022 05:21
13C5 PFPeA	1.0	0.97	97	50-150		12/22/2022 05:21
13C3 PFBS	0.93	0.90	97	50-150		12/22/2022 05:21
13C2 4:2FTS	0.94	0.93	99	50-150		12/22/2022 05:21
13C5 PFHxA	1.0	0.99	99	50-150		12/22/2022 05:21
13C4 PFHpA	1.0	0.89	89	50-150		12/22/2022 05:21
13C3 PFHxS	0.95	0.97	103	50-150		12/22/2022 05:21
13C2 6:2FTS	0.95	0.90	95	50-150		12/22/2022 05:21
13C8 PFOA	1.0	0.93	93	50-150		12/22/2022 05:21
13C9 PFNA	1.0	1.0	102	50-150		12/22/2022 05:21
13C8 PFOS	0.96	0.92	96	50-150		12/22/2022 05:21
13C2 8:2FTS	0.96	0.91	95	50-150		12/22/2022 05:21
13C6 PFDA	1.0	0.99	99	50-150		12/22/2022 05:21
d3-MeFOSAA	1.0	0.98	98	50-150		12/22/2022 05:21
13C8 PFOSA	1.0	0.98	98	50-150		12/22/2022 05:21
d5-EtFOSAA	1.0	0.92	92	50-150		12/22/2022 05:21
13C7 PFUdA	1.0	1.1	111	50-150		12/22/2022 05:21
13C2 PFDoA	1.0	1.0	102	50-150		12/22/2022 05:21
13C2 PFTeDA	1.0	0.91	91	50-150		12/22/2022 05:21
13C3 HFPO-DA	1.0	1.0	101	50-150		12/22/2022 05:21
d7-N-MeFOSE	1.0	0.92	92	10-150		12/22/2022 05:21
d9-N-EtFOSE	1.0	0.85	85	10-150		12/22/2022 05:21
d3-N-MeFOSA	1.0	0.96	96	10-150		12/22/2022 05:21
d5-N-EtFOSA	1.0	0.87	87	10-150		12/22/2022 05:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKHR
 Lab Sample ID BLANK-103266
 Lab File ID B221222A_004
 Matrix Soil
 Collected 12/29/2022 13:00
 Received 12/29/2022 13:00
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.17	4.20	23		12/22/2022 05:21
13C5 PFPeA	N/A	N/A	5.04	5.06	32		12/22/2022 05:21
13C3 PFBS	N/A	N/A	6.01	6.05	33		12/22/2022 05:21
13C2 4:2FTS	N/A	N/A	5.46	5.50	96		12/22/2022 05:21
13C5 PFHxA	N/A	N/A	5.74	5.78	24		12/22/2022 05:21
13C4 PFHpA	N/A	N/A	6.42	6.45	23		12/22/2022 05:21
13C3 PFHxS	N/A	N/A	7.52	7.50	30		12/22/2022 05:21
13C2 6:2FTS	N/A	N/A	6.75	6.77	30		12/22/2022 05:21
13C8 PFOA	N/A	N/A	7.09	7.13	22		12/22/2022 05:21
13C9 PFNA	N/A	N/A	7.76	7.78	20		12/22/2022 05:21
13C8 PFOS	N/A	N/A	8.93	8.98	26		12/22/2022 05:21
13C2 8:2FTS	N/A	N/A	8.05	8.07	38		12/22/2022 05:21
13C6 PFDA	N/A	N/A	8.44	8.46	11		12/22/2022 05:21
d3-MeFOSAA	N/A	N/A	8.29	8.31	19		12/22/2022 05:21
13C8 PFOSA	N/A	N/A	10.57	10.62	10		12/22/2022 05:21
d5-EtFOSAA	N/A	N/A	8.58	8.61	12		12/22/2022 05:21
13C7 PFUdA	N/A	N/A	9.12	9.16	34		12/22/2022 05:21
13C2 PFDaA	N/A	N/A	9.80	9.85	16		12/22/2022 05:21
13C2 PFTeDA	N/A	N/A	11.15	11.21	13		12/22/2022 05:21
13C3 HFPO-DA	N/A	N/A	6.02	6.03	19		12/22/2022 05:21
d7-N-MeFOSE	N/A	N/A	12.50	12.54	42		12/22/2022 05:21
d9-N-EtFOSE	N/A	N/A	12.97	13.00	34		12/22/2022 05:21
d3-N-MeFOSA	N/A	N/A	12.71	12.73	68		12/22/2022 05:21
d5-N-EtFOSA	N/A	N/A	13.12	13.15	11		12/22/2022 05:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKHR
 Lab Sample ID BLANK-103266
 Lab File ID B221222A_004
 Matrix Soil
 Collected 12/29/2022 13:00
 Received 12/29/2022 13:00
 Extraction Date 12/16/2022 09:14

Total Amount Extracted 5.00g
 Ical ID 221219A02
 CCal File B221222A_002
 Ending CCal File B221222A_014
 Blank File

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.17	4.20	ND		12/22/2022 05:21
PFPeA	N/A	N/A	5.05	5.06	ND		12/22/2022 05:21
HFPO-DA	0.26	0.29	6.03	6.04	ND		12/22/2022 05:21
PFBS	0.00	0.42	6.01	6.03	ND		12/22/2022 05:21
PFHxA	0.00	0.08	0.00	5.76	ND		12/22/2022 05:21
4:2 FTS	0.00	0.82	0.00	5.50	ND		12/22/2022 05:21
PFPeS	0.00	0.36	0.00	6.83	ND		12/22/2022 05:21
PFHpA	0.27	0.28	6.44	6.46	ND		12/22/2022 05:21
DONA	0.00	0.52	0.00	6.70	ND		12/22/2022 05:21
PFHxS	0.00	0.36	0.00	7.58	ND		12/22/2022 05:21
PFOA	0.54	0.39	7.10	7.11	ND		12/22/2022 05:21
6:2 FTS	0.79	0.82	6.75	6.76	ND		12/22/2022 05:21
PFHpS	0.00	0.38	0.00	8.27	ND		12/22/2022 05:21
PFNA	0.22	0.15	7.76	7.79	ND		12/22/2022 05:21
PFOSAm	N/A	N/A	10.56	10.71	ND		12/22/2022 05:21
PFOS	0.00	0.39	0.00	9.11	ND		12/22/2022 05:21
MeFOSA	0.00	0.58	0.00	12.78	ND		12/22/2022 05:21
PFDA	0.00	0.16	0.00	8.53	ND		12/22/2022 05:21
EtFOSAm	0.00	0.48	0.00	13.20	ND		12/22/2022 05:21
8:2 FTS	0.00	0.86	0.00	8.13	ND		12/22/2022 05:21
9-Cl-PF3ON	0.00	0.06	0.00	9.49	ND		12/22/2022 05:21
PFNS	0.00	0.47	0.00	9.68	ND		12/22/2022 05:21
PFUnDA	0.00	0.12	0.00	9.17	ND		12/22/2022 05:21
NMeFOSAA	0.00	0.91	0.00	8.32	ND		12/22/2022 05:21
NEtFOSAA	0.00	0.59	0.00	8.62	ND		12/22/2022 05:21
PFDS	0.00	0.29	0.00	10.37	ND		12/22/2022 05:21
PFDOA	0.00	0.16	0.00	9.86	ND		12/22/2022 05:21
MeFOSE	N/A	N/A	0.00	12.59	ND		12/22/2022 05:21
EtFOSE	0.00	0.00	0.00	13.04	ND		12/22/2022 05:21
11-Cl-PF3OUdS	0.00	0.02	0.00	10.86	ND		12/22/2022 05:21
PFTTrDA	0.00	0.15	0.00	10.54	ND		12/22/2022 05:21
PFDoS	0.00	0.45	0.00	11.64	ND		12/22/2022 05:21
PFTDA	0.42	0.24	11.17	11.21	ND		12/22/2022 05:21

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKHF
 Lab Sample ID BLANK-103211
 Lab File ID B230103C_004
 Matrix Water
 Collected 12/27/2022 14:29
 Received 12/27/2022 14:29
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 234mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File

Compound	Concentration (ng/L)	QL (ng/L)	RL (ng/L)	MDL (ng/L)	Dil.	CAS No.	Qual.	Analyzed
PFBA	ND	2.1	0.53	0.53	1	375-22-4		01/03/2023 19:10
PFPeA	ND	2.1	0.88	0.88	1	2706-90-3		01/03/2023 19:10
HFPO-DA	ND	2.1	0.53	0.53	1	13252-13-6		01/03/2023 19:10
PFBS	ND	1.9	0.52	0.52	1	375-73-5		01/03/2023 19:10
PFHxA	ND	2.1	0.97	0.97	1	307-24-4		01/03/2023 19:10
4:2 FTS	ND	2.0	0.50	0.50	1	757124-72-4		01/03/2023 19:10
PFPeS	ND	2.0	0.64	0.64	1	2706-91-4		01/03/2023 19:10
PFHpA	ND	2.1	0.74	0.74	1	375-85-9		01/03/2023 19:10
DONA	ND	2.0	0.98	0.98	1	919005-14-4		01/03/2023 19:10
PFHxS	ND	1.9	0.57	0.57	1	355-46-4		01/03/2023 19:10
PFOA	ND	2.1	0.92	0.92	1	335-67-1		01/03/2023 19:10
6:2 FTS	ND	2.0	0.72	0.72	1	27619-97-2		01/03/2023 19:10
PFHpS	ND	2.0	0.71	0.71	1	375-92-8		01/03/2023 19:10
PFNA	ND	2.1	0.85	0.85	1	375-95-1		01/03/2023 19:10
PFOSAm	ND	2.1	0.77	0.77	1	754-91-6		01/03/2023 19:10
PFOS	ND	2.0	0.71	0.71	1	1763-23-1		01/03/2023 19:10
MeFOSA	ND	2.1	0.59	0.59	1	31506-32-8		01/03/2023 19:10
PFDA	ND	2.1	0.65	0.65	1	335-76-2		01/03/2023 19:10
EtFOSAm	ND	2.1	0.61	0.61	1	4151-50-2		01/03/2023 19:10
8:2 FTS	ND	2.1	0.54	0.54	1	39108-34-4		01/03/2023 19:10
9-CI-PF3ON	ND	2.0	0.50	0.50	1	756426-58-1		01/03/2023 19:10
PFNS	ND	2.1	0.63	0.63	1	68259-12-1		01/03/2023 19:10
PFUnDA	ND	2.1	0.52	0.52	1	2058-94-8		01/03/2023 19:10
NMeFOSAA	ND	2.1	0.74	0.74	1	2355-31-9		01/03/2023 19:10
NEtFOSAA	ND	2.1	0.87	0.87	1	2991-50-6		01/03/2023 19:10
PFDS	ND	2.1	0.69	0.69	1	335-77-3		01/03/2023 19:10
PFDOA	ND	2.1	0.51	0.51	1	307-55-1		01/03/2023 19:10
MeFOSE	ND	2.1	0.56	0.56	1	24448-09-7		01/03/2023 19:10
EtFOSE	ND	2.1	0.95	0.95	1	1691-99-2		01/03/2023 19:10
11-CI-PF3OUdS	ND	2.0	0.59	0.59	1	763051-92-9		01/03/2023 19:10
PFTTrDA	ND	2.1	0.67	0.67	1	72629-94-8		01/03/2023 19:10
PFDoS	ND	2.1	0.63	0.63	1	79780-39-5		01/03/2023 19:10
PFTDA	ND	2.1	0.64	0.64	1	376-06-7		01/03/2023 19:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	BLKHF	Total Amount Extracted	234mL
Lab Sample ID	BLANK-103211	Ical ID	230103A02
Lab File ID	B230103C_004	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	12/27/2022 14:29	Blank File	
Received	12/27/2022 14:29		
Extraction Date	12/29/2022 15:15		

Extracted Internal Standards

Compound	Known Conc. (ng/L)	Conc.Found (ng/L)	%Recovery	Recovery Limits	Qualifiers	Analyzed
13C4 PFBA	21	14	68	50-150		01/03/2023 19:10
13C5 PFPeA	21	14	65	50-150		01/03/2023 19:10
13C3 PFBS	20	14	68	50-150		01/03/2023 19:10
13C2 4:2FTS	20	14	72	50-150		01/03/2023 19:10
13C5 PFHxA	21	15	71	50-150		01/03/2023 19:10
13C4 PFHpA	21	15	68	50-150		01/03/2023 19:10
13C3 PFHxS	20	15	74	50-150		01/03/2023 19:10
13C2 6:2FTS	20	13	64	50-150		01/03/2023 19:10
13C8 PFOA	21	17	78	50-150		01/03/2023 19:10
13C9 PFNA	21	15	70	50-150		01/03/2023 19:10
13C8 PFOS	20	14	67	50-150		01/03/2023 19:10
13C2 8:2FTS	20	14	67	50-150		01/03/2023 19:10
13C6 PFDA	21	14	64	50-150		01/03/2023 19:10
d3-MeFOSAA	21	14	63	50-150		01/03/2023 19:10
13C8 PFOSA	21	13	60	50-150		01/03/2023 19:10
d5-EtFOSAA	21	13	59	50-150		01/03/2023 19:10
13C7 PFUdA	21	14	68	50-150		01/03/2023 19:10
13C2 PFDoA	21	14	65	50-150		01/03/2023 19:10
13C2 PFTeDA	21	14	65	50-150		01/03/2023 19:10
13C3 HFPO-DA	21	14	66	50-150		01/03/2023 19:10
d7-N-MeFOSE	21	12	56	20-150		01/03/2023 19:10
d9-N-EtFOSE	21	13	62	20-150		01/03/2023 19:10
d3-N-MeFOSA	21	11	51	20-150		01/03/2023 19:10
d5-N-EtFOSA	21	10	48	20-150		01/03/2023 19:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID BLKHF
 Lab Sample ID BLANK-103211
 Lab File ID B230103C_004
 Matrix Water
 Collected 12/27/2022 14:29
 Received 12/27/2022 14:29
 Extraction Date 12/29/2022 15:15

Total Amount Extracted 234mL
 Ical ID 230103A02
 CCal File B230103C_002
 Ending CCal File B230103C_014
 Blank File

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
13C4 PFBA	N/A	N/A	4.16	4.14	19		01/03/2023 19:10
13C5 PFPeA	N/A	N/A	5.05	5.06	22		01/03/2023 19:10
13C3 PFBS	N/A	N/A	6.03	6.02	20		01/03/2023 19:10
13C2 4:2FTS	N/A	N/A	5.47	5.47	92		01/03/2023 19:10
13C5 PFHxA	N/A	N/A	5.76	5.76	21		01/03/2023 19:10
13C4 PFHpA	N/A	N/A	6.45	6.45	17		01/03/2023 19:10
13C3 PFHxS	N/A	N/A	7.52	7.54	21		01/03/2023 19:10
13C2 6:2FTS	N/A	N/A	6.77	6.77	16		01/03/2023 19:10
13C8 PFOA	N/A	N/A	7.11	7.11	23		01/03/2023 19:10
13C9 PFNA	N/A	N/A	7.74	7.78	21		01/03/2023 19:10
13C8 PFOS	N/A	N/A	8.88	8.96	22		01/03/2023 19:10
13C2 8:2FTS	N/A	N/A	8.02	8.07	12		01/03/2023 19:10
13C6 PFDA	N/A	N/A	8.39	8.46	12		01/03/2023 19:10
d3-MeFOSAA	N/A	N/A	8.25	8.31	26		01/03/2023 19:10
13C8 PFOSA	N/A	N/A	10.48	10.54	11		01/03/2023 19:10
d5-EtFOSAA	N/A	N/A	8.53	8.61	11		01/03/2023 19:10
13C7 PFUdA	N/A	N/A	9.06	9.16	23		01/03/2023 19:10
13C2 PFDaA	N/A	N/A	9.74	9.85	13		01/03/2023 19:10
13C2 PFTeDA	N/A	N/A	11.05	11.19	14		01/03/2023 19:10
13C3 HFPO-DA	N/A	N/A	6.04	6.04	19		01/03/2023 19:10
d7-N-MeFOSE	N/A	N/A	12.41	12.51	40		01/03/2023 19:10
d9-N-EtFOSE	N/A	N/A	12.88	12.97	43		01/03/2023 19:10
d3-N-MeFOSA	N/A	N/A	12.61	12.70	69		01/03/2023 19:10
d5-N-EtFOSA	N/A	N/A	13.04	13.11	68		01/03/2023 19:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Method Blank Analysis Summary
 PFAS by Isotope Dilution

Client Sample ID	BLKHF	Total Amount Extracted	234mL
Lab Sample ID	BLANK-103211	Ical ID	230103A02
Lab File ID	B230103C_004	CCal File	B230103C_002
Matrix	Water	Ending CCal File	B230103C_014
Collected	12/27/2022 14:29	Blank File	
Received	12/27/2022 14:29		
Extraction Date	12/29/2022 15:15		

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers	Analyzed
PFBA	N/A	N/A	4.16	4.14	ND		01/03/2023 19:10
PFPeA	N/A	N/A	5.06	5.05	ND		01/03/2023 19:10
HFPO-DA	0.46	0.28	6.06	6.05	ND		01/03/2023 19:10
PFBS	0.61	0.45	6.04	6.03	ND		01/03/2023 19:10
PFHxA	0.17	0.07	5.77	5.76	ND		01/03/2023 19:10
4:2 FTS	0.00	0.80	0.00	5.48	ND		01/03/2023 19:10
PFPeS	0.00	0.45	0.00	6.82	ND		01/03/2023 19:10
PFHpA	0.19	0.29	6.46	6.45	ND		01/03/2023 19:10
DONA	0.00	0.62	0.00	6.70	ND		01/03/2023 19:10
PFHxS	0.00	0.37	7.52	7.55	ND		01/03/2023 19:10
PFOA	0.37	0.41	7.13	7.11	ND		01/03/2023 19:10
6:2 FTS	1.50	0.83	6.77	6.76	ND		01/03/2023 19:10
PFHpS	0.00	0.29	0.00	8.27	ND		01/03/2023 19:10
PFNA	0.32	0.16	7.75	7.75	ND		01/03/2023 19:10
PFOSAm	N/A	N/A	10.49	10.55	ND		01/03/2023 19:10
PFOS	0.00	0.37	8.89	8.99	ND		01/03/2023 19:10
MeFOSA	0.00	0.66	0.00	12.74	ND		01/03/2023 19:10
PFDA	0.26	0.16	8.40	8.47	ND		01/03/2023 19:10
EtFOSAm	0.00	0.45	0.00	13.16	ND		01/03/2023 19:10
8:2 FTS	0.00	0.95	0.00	8.08	ND		01/03/2023 19:10
9-CI-PF3ON	0.00	0.05	0.00	9.49	ND		01/03/2023 19:10
PFNS	0.00	0.48	0.00	9.68	ND		01/03/2023 19:10
PFUnDA	0.00	0.14	0.00	9.17	ND		01/03/2023 19:10
NMeFOSAA	0.00	0.72	0.00	8.32	ND		01/03/2023 19:10
NEtFOSAA	0.00	0.60	0.00	8.62	ND		01/03/2023 19:10
PFDS	0.00	0.36	0.00	10.35	ND		01/03/2023 19:10
PFDOA	0.00	0.18	0.00	9.86	ND		01/03/2023 19:10
MeFOSE	N/A	N/A	0.00	12.55	ND		01/03/2023 19:10
EtFOSE	0.00	0.00	0.00	13.04	ND		01/03/2023 19:10
11-CI-PF3OUdS	0.00	0.02	0.00	10.84	ND		01/03/2023 19:10
PFTTrDA	0.00	0.17	0.00	10.54	ND		01/03/2023 19:10
PFDoS	0.00	0.45	0.00	11.61	ND		01/03/2023 19:10
PFTDA	0.13	0.21	11.06	11.21	ND		01/03/2023 19:10

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103024
 Run File Name B221220C_008
 Analyzed 12/20/2022 22:59
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Extracted Internal Standards

Compound	Known Conc. ug/Kg	Conc. Found ug/Kg	%Recovery	Recovery Limits	Qualifiers
13C4 PFBA	0.99	0.85	86	50-150	
13C5 PFPeA	0.99	0.85	85	50-150	
13C3 PFBS	0.92	0.73	79	50-150	
13C2 4:2FTS	0.93	0.74	80	50-150	
13C5 PFHxA	0.99	0.79	79	50-150	
13C4 PFHpA	0.99	0.82	82	50-150	
13C3 PFHxS	0.94	0.81	86	50-150	
13C2 6:2FTS	0.94	0.79	84	50-150	
13C8 PFOA	0.99	0.76	77	50-150	
13C9 PFNA	0.99	0.78	79	50-150	
13C8 PFOS	0.95	0.75	79	50-150	
13C2 8:2FTS	0.95	0.85	90	50-150	
13C6 PFDA	0.99	0.85	85	50-150	
d3-MeFOSAA	0.99	0.84	85	50-150	
13C8 PFOSA	0.99	0.83	83	50-150	
d5-EtFOSAA	0.99	0.90	91	50-150	
13C7 PFUdA	0.99	0.90	91	50-150	
13C2 PFDoA	0.99	0.84	85	50-150	
13C2 PFTeDA	0.99	0.81	81	50-150	
13C3 HFPO-DA	0.99	0.76	77	50-150	
d7-N-MeFOSE	0.99	0.79	80	20-150	
d9-N-EtFOSE	0.99	0.80	81	20-150	
d3-N-MeFOSA	0.99	0.75	75	20-150	
d5-N-EtFOSA	0.99	0.73	74	20-150	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103024
 Run File Name B221220C_008
 Analyzed 12/20/2022 22:59
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Native Analytes

Compound	Known Conc. ug/Kg	Conc. Found ug/Kg	%Recovery	Recovery Limits	Qualifiers	CAS No.
PFBA	0.20	0.22	110	50-150		375-22-4
PFPeA	0.20	0.22	112	50-150		2706-90-3
HFPO-DA	0.20	0.24	119	50-150		13252-13-6
PFBS	0.18	0.19	107	50-150		375-73-5
PFHxA	0.20	0.22	109	50-150		307-24-4
4:2 FTS	0.19	0.21	116	50-150		757124-72-4
PFPeS	0.19	0.19	101	50-150		2706-91-4
PFHpA	0.20	0.23	114	50-150		375-85-9
DONA	0.19	0.21	113	50-150		919005-14-4
PFHxS	0.18	0.18	102	50-150		355-46-4
PFOA	0.20	0.24	119	50-150		335-67-1
6:2 FTS	0.19	0.19	99	50-150		27619-97-2
PFHpS	0.19	0.22	115	50-150		375-92-8
PFNA	0.20	0.22	112	50-150		375-95-1
PFOSAm	0.20	0.19	94	50-150		754-91-6
PFOS	0.18	0.20	106	50-150		1763-23-1
MeFOSA	0.20	0.21	105	50-150		31506-32-8
PFDA	0.20	0.22	113	50-150		335-76-2
EtFOSAm	0.20	0.21	108	50-150		4151-50-2
8:2 FTS	0.19	0.18	92	50-150		39108-34-4
9-CI-PF3ON	0.18	0.22	117	50-150		756426-58-1
PFNS	0.19	0.21	112	50-150		68259-12-1
PFUnDA	0.20	0.21	105	50-150		2058-94-8
NMeFOSAA	0.20	0.21	107	50-150		2355-31-9
NEtFOSAA	0.20	0.17	88	50-150		2991-50-6
PFDS	0.19	0.20	104	50-150		335-77-3
PFDOA	0.20	0.20	102	50-150		307-55-1
MeFOSE	0.20	0.21	104	50-150		24448-09-7
EtFOSE	0.20	0.20	98	50-150		1691-99-2
11-CI-PF3OUdS	0.19	0.21	115	50-150		763051-92-9
PFTrDA	0.20	0.19	96	50-150		72629-94-8
PFDoS	0.19	0.22	116	50-150		79780-39-5
PFTDA	0.20	0.23	115	50-150		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103024
 Run File Name B221220C_008
 Analyzed 12/20/2022 22:59
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.18	4.20	2106	
13C5 PFPeA	N/A	N/A	5.05	5.06	2936	
13C3 PFBS	N/A	N/A	6.01	6.05	2975	
13C2 4:2FTS	N/A	N/A	5.46	5.50	815	
13C5 PFHxA	N/A	N/A	5.74	5.78	1710	
13C4 PFHpA	N/A	N/A	6.42	6.45	1983	
13C3 PFHxS	N/A	N/A	7.53	7.58	2543	
13C2 6:2FTS	N/A	N/A	6.75	6.77	2117	
13C8 PFOA	N/A	N/A	7.10	7.13	2414	
13C9 PFNA	N/A	N/A	7.76	7.78	1837	
13C8 PFOS	N/A	N/A	8.95	8.98	2704	
13C2 8:2FTS	N/A	N/A	8.05	8.07	453798	
13C6 PFDA	N/A	N/A	8.44	8.46	1130	
d3-MeFOSAA	N/A	N/A	8.30	8.31	4020	
13C8 PFOSA	N/A	N/A	10.58	10.62	1145	
d5-EtFOSAA	N/A	N/A	8.59	8.61	1650	
13C7 PFUdA	N/A	N/A	9.13	9.16	2225	
13C2 PFDoA	N/A	N/A	9.82	9.85	1264	
13C2 PFTeDA	N/A	N/A	11.17	11.21	1368	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	1893	
d7-N-MeFOSE	N/A	N/A	12.51	12.54	41	
d9-N-EtFOSE	N/A	N/A	12.98	13.00	460	
d3-N-MeFOSA	N/A	N/A	12.72	12.73	668	
d5-N-EtFOSA	N/A	N/A	13.13	13.15	929	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103024
 Run File Name B221220C_008
 Analyzed 12/20/2022 22:59
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.19	4.20	210	
PFPeA	N/A	N/A	5.06	5.06	648	
HFPO-DA	0.30	0.34	6.03	6.04	1164	
PFBS	0.42	0.44	6.02	6.03	1359	
PFHxA	0.07	0.07	5.75	5.76	349	
4:2 FTS	0.85	0.81	5.47	5.50	6376049	
PFPeS	0.42	0.39	6.80	6.83	1714	
PFHpA	0.29	0.32	6.43	6.46	335	
DONA	0.59	0.63	6.68	6.70	1343	
PFHxS	0.37	0.37	7.53	7.58	1348	
PFOA	0.37	0.39	7.10	7.11	223	
6:2 FTS	0.88	0.75	6.75	6.76	65	
PFHpS	0.38	0.37	8.25	8.27	5600	
PFNA	0.16	0.17	7.77	7.79	585	
PFOSAm	N/A	N/A	10.58	10.71	1016	
PFOS	0.47	0.45	8.96	9.11	355	
MeFOSA	0.63	0.66	12.74	12.78	4282	
PFDA	0.15	0.18	8.45	8.53	294	
EtFOSAm	0.46	0.51	13.16	13.20	900	
8:2 FTS	1.00	0.86	8.06	8.13	416	
9-CI-PF3ON	0.06	0.07	9.46	9.49	867	
PFNS	0.48	0.41	9.65	9.68	1207	
PFUnDA	0.12	0.13	9.13	9.17	560	
NMeFOSAA	0.75	0.84	8.31	8.32	1416530	
NEtFOSAA	0.67	0.59	8.61	8.62	288	
PFDS	0.37	0.33	10.32	10.37	1407	
PFDOA	0.20	0.17	9.82	9.86	429	
MeFOSE	N/A	N/A	12.55	12.59	425	
EtFOSE	0.00	0.00	13.02	13.04	319	
11-CI-PF3OUdS	0.02	0.02	10.81	10.86	641	
PFTrDA	0.17	0.18	10.50	10.54	337	
PFDoS	0.47	0.49	11.60	11.64	2458	
PFTDA	0.24	0.26	11.17	11.21	427	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103046
 Run File Name B221222A_005
 Analyzed 12/22/2022 05:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Extracted Internal Standards

Compound	Known Conc. ug/Kg	Conc. Found ug/Kg	%Recovery	Recovery Limits	Qualifiers
13C4 PFBA	0.96	0.86	89	50-150	
13C5 PFPeA	0.96	0.84	87	50-150	
13C3 PFBS	0.90	0.79	88	50-150	
13C2 4:2FTS	0.90	0.86	95	50-150	
13C5 PFHxA	0.96	0.80	83	50-150	
13C4 PFHpA	0.96	0.84	87	50-150	
13C3 PFHxS	0.91	0.87	95	50-150	
13C2 6:2FTS	0.91	0.76	83	50-150	
13C8 PFOA	0.96	0.81	84	50-150	
13C9 PFNA	0.96	0.90	93	50-150	
13C8 PFOS	0.92	0.80	87	50-150	
13C2 8:2FTS	0.92	0.80	86	50-150	
13C6 PFDA	0.96	0.82	85	50-150	
d3-MeFOSAA	0.96	0.86	89	50-150	
13C8 PFOSA	0.96	0.84	88	50-150	
d5-EtFOSAA	0.96	0.89	93	50-150	
13C7 PFUdA	0.96	0.94	98	50-150	
13C2 PFDoA	0.96	0.88	92	50-150	
13C2 PFTeDA	0.96	0.83	86	50-150	
13C3 HFPO-DA	0.96	0.81	84	50-150	
d7-N-MeFOSE	0.96	0.74	76	20-150	
d9-N-EtFOSE	0.96	0.78	81	20-150	
d3-N-MeFOSA	0.96	0.71	74	20-150	
d5-N-EtFOSA	0.96	0.76	79	20-150	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103046
 Run File Name B221222A_005
 Analyzed 12/22/2022 05:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Native Analytes

Compound	Known Conc. ug/Kg	Conc. Found ug/Kg	%Recovery	Recovery Limits	Qualifiers	CAS No.
PFBA	0.19	0.22	112	50-150		375-22-4
PFPeA	0.19	0.22	116	50-150		2706-90-3
HFPO-DA	0.19	0.21	110	50-150		13252-13-6
PFBS	0.17	0.19	112	50-150		375-73-5
PFHxA	0.19	0.23	119	50-150		307-24-4
4:2 FTS	0.18	0.18	102	50-150		757124-72-4
PFPeS	0.18	0.17	96	50-150		2706-91-4
PFHpA	0.19	0.21	109	50-150		375-85-9
DONA	0.18	0.21	116	50-150		919005-14-4
PFHxS	0.18	0.18	102	50-150		355-46-4
PFOA	0.19	0.22	115	50-150		335-67-1
6:2 FTS	0.18	0.22	119	50-150		27619-97-2
PFHpS	0.18	0.21	114	50-150		375-92-8
PFNA	0.19	0.21	111	50-150		375-95-1
PFOSAm	0.19	0.22	112	50-150		754-91-6
PFOS	0.18	0.19	108	50-150		1763-23-1
MeFOSA	0.19	0.22	114	50-150		31506-32-8
PFDA	0.19	0.22	112	50-150		335-76-2
EtFOSAm	0.19	0.21	107	50-150		4151-50-2
8:2 FTS	0.19	0.20	109	50-150		39108-34-4
9-CI-PF3ON	0.18	0.20	110	50-150		756426-58-1
PFNS	0.19	0.20	106	50-150		68259-12-1
PFUnDA	0.19	0.22	112	50-150		2058-94-8
NMeFOSAA	0.19	0.19	100	50-150		2355-31-9
NEtFOSAA	0.19	0.20	105	50-150		2991-50-6
PFDS	0.19	0.21	111	50-150		335-77-3
PFDOA	0.19	0.22	113	50-150		307-55-1
MeFOSE	0.19	0.22	116	50-150		24448-09-7
EtFOSE	0.19	0.20	105	50-150		1691-99-2
11-CI-PF3OUdS	0.18	0.20	111	50-150		763051-92-9
PFTrDA	0.19	0.20	104	50-150		72629-94-8
PFDoS	0.19	0.21	112	50-150		79780-39-5
PFTDA	0.19	0.21	111	50-150		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103046
 Run File Name B221222A_005
 Analyzed 12/22/2022 05:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.17	4.20	2311	
13C5 PFPeA	N/A	N/A	5.04	5.06	2535	
13C3 PFBS	N/A	N/A	6.01	6.05	2907	
13C2 4:2FTS	N/A	N/A	5.45	5.50	995	
13C5 PFHxA	N/A	N/A	5.74	5.78	1771	
13C4 PFHpA	N/A	N/A	6.42	6.45	2009	
13C3 PFHxS	N/A	N/A	7.53	7.50	3706	
13C2 6:2FTS	N/A	N/A	6.74	6.77	2473	
13C8 PFOA	N/A	N/A	7.09	7.13	2482	
13C9 PFNA	N/A	N/A	7.76	7.78	2728	
13C8 PFOS	N/A	N/A	8.94	8.98	3125	
13C2 8:2FTS	N/A	N/A	8.05	8.07	2507	
13C6 PFDA	N/A	N/A	8.44	8.46	1328	
d3-MeFOSAA	N/A	N/A	8.29	8.31	1874	
13C8 PFOSA	N/A	N/A	10.58	10.62	1207	
d5-EtFOSAA	N/A	N/A	8.59	8.61	1585	
13C7 PFUdA	N/A	N/A	9.12	9.16	2649	
13C2 PFDoA	N/A	N/A	9.82	9.85	1324	
13C2 PFTeDA	N/A	N/A	11.16	11.21	1657	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	2032	
d7-N-MeFOSE	N/A	N/A	12.50	12.54	45	
d9-N-EtFOSE	N/A	N/A	12.97	13.00	293	
d3-N-MeFOSA	N/A	N/A	12.71	12.73	609	
d5-N-EtFOSA	N/A	N/A	13.13	13.15	830	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103046
 Run File Name B221222A_005
 Analyzed 12/22/2022 05:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level L

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.18	4.20	204	
PFPeA	N/A	N/A	5.05	5.06	442	
HFPO-DA	0.34	0.29	6.03	6.04	1757	
PFBS	0.36	0.42	6.01	6.03	3584	
PFHxA	0.07	0.08	5.75	5.76	289	
4:2 FTS	0.85	0.82	5.46	5.50	2336	
PFPeS	0.47	0.36	6.80	6.83	50551	
PFHpA	0.26	0.28	6.43	6.46	450	
DONA	0.54	0.52	6.67	6.70	1171	
PFHxS	0.36	0.36	7.53	7.58	1809	
PFOA	0.38	0.39	7.10	7.11	233	
6:2 FTS	0.83	0.82	6.75	6.76	63	
PFHpS	0.37	0.38	8.25	8.27	4978	
PFNA	0.16	0.15	7.77	7.79	522	
PFOSAm	N/A	N/A	10.59	10.71	764	
PFOS	0.43	0.39	8.95	9.11	363	
MeFOSA	0.55	0.58	12.73	12.78	607	
PFDA	0.17	0.16	8.45	8.53	276	
EtFOSAm	0.48	0.48	13.15	13.20	1016	
8:2 FTS	0.84	0.86	8.06	8.13	9752	
9-CI-PF3ON	0.06	0.06	9.46	9.49	707	
PFNS	0.46	0.47	9.65	9.68	2089	
PFUnDA	0.12	0.12	9.13	9.17	540	
NMeFOSAA	0.83	0.91	8.30	8.32	250	
NEtFOSAA	0.63	0.59	8.60	8.62	264	
PFDS	0.31	0.29	10.33	10.37	2741	
PFDOA	0.15	0.16	9.83	9.86	412	
MeFOSE	N/A	N/A	12.55	12.59	389	
EtFOSE	0.00	0.00	13.01	13.04	400	
11-CI-PF3OUdS	0.02	0.02	10.81	10.86	694	
PFTDA	0.17	0.15	10.51	10.54	347	
PFDoS	0.49	0.45	11.58	11.64	2377	
PFTDA	0.25	0.24	11.17	11.21	391	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID	LCS-103212	Instrument ID	10LCMS02
Run File Name	B230103C_005	Column ID	1071B00012
Analyzed	01/03/2023 19:30	Ical ID	230103A02
Injected By	NH	Level	L

Extracted Internal Standards

Compound	Known Conc. ng/L	Conc. Found ng/L	%Recovery	Recovery Limits	Qualifiers
13C4 PFBA	20	19	95	50-150	
13C5 PFPeA	20	19	91	50-150	
13C3 PFBS	19	18	95	50-150	
13C2 4:2FTS	19	21	109	50-150	
13C5 PFHxA	20	19	95	50-150	
13C4 PFHpA	20	21	101	50-150	
13C3 PFHxS	19	20	106	50-150	
13C2 6:2FTS	19	18	92	50-150	
13C8 PFOA	20	21	102	50-150	
13C9 PFNA	20	20	99	50-150	
13C8 PFOS	19	16	84	50-150	
13C2 8:2FTS	20	16	81	50-150	
13C6 PFDA	20	17	85	50-150	
d3-MeFOSAA	20	19	91	50-150	
13C8 PFOSA	20	17	82	50-150	
d5-EtFOSAA	20	16	79	50-150	
13C7 PFUdA	20	18	88	50-150	
13C2 PFDoA	20	19	93	50-150	
13C2 PFTeDA	20	18	89	50-150	
13C3 HFPO-DA	20	19	95	50-150	
d7-N-MeFOSE	20	17	81	20-150	
d9-N-EtFOSE	20	18	88	20-150	
d3-N-MeFOSA	20	14	70	20-150	
d5-N-EtFOSA	20	15	71	20-150	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103212
 Run File Name B230103C_005
 Analyzed 01/03/2023 19:30
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 230103A02
 Level L

Native Analytes

Compound	Known Conc. ng/L	Conc. Found ng/L	%Recovery	Recovery Limits	Qualifiers	CAS No.
PFBA	4.1	4.2	104	50-150		375-22-4
PFPeA	4.1	4.3	105	50-150		2706-90-3
HFPO-DA	4.1	4.0	98	50-150		13252-13-6
PFBS	3.6	4.0	110	50-150		375-73-5
PFHxA	4.1	4.4	107	50-150		307-24-4
4:2 FTS	3.8	3.4	91	50-150		757124-72-4
PFPeS	3.8	3.8	99	50-150		2706-91-4
PFHpA	4.1	4.1	100	50-150		375-85-9
DONA	3.8	4.1	106	50-150		919005-14-4
PFHxS	3.7	3.8	103	50-150		355-46-4
PFOA	4.1	4.4	108	50-150		335-67-1
6:2 FTS	3.9	4.1	105	50-150		27619-97-2
PFHpS	3.9	4.2	108	50-150		375-92-8
PFNA	4.1	4.1	101	50-150		375-95-1
PFOSAm	4.1	4.0	98	50-150		754-91-6
PFOS	3.8	3.7	99	50-150		1763-23-1
MeFOSA	4.1	4.0	98	50-150		31506-32-8
PFDA	4.1	4.3	106	50-150		335-76-2
EtFOSAm	4.1	3.9	96	50-150		4151-50-2
8:2 FTS	3.9	4.4	113	50-150		39108-34-4
9-CI-PF3ON	3.8	3.9	103	50-150		756426-58-1
PFNS	3.9	3.5	90	50-150		68259-12-1
PFUnDA	4.1	4.4	108	50-150		2058-94-8
NMeFOSAA	4.1	3.7	92	50-150		2355-31-9
NEtFOSAA	4.1	4.3	106	50-150		2991-50-6
PFDS	3.9	3.8	98	50-150		335-77-3
PFDOA	4.1	3.7	90	50-150		307-55-1
MeFOSE	4.1	3.8	94	50-150		24448-09-7
EtFOSE	4.1	4.4	107	50-150		1691-99-2
11-CI-PF3OUdS	3.8	3.7	97	50-150		763051-92-9
PFTrDA	4.1	3.9	95	50-150		72629-94-8
PFDoS	3.9	3.6	92	50-150		79780-39-5
PFTDA	4.1	5.1	126	50-150		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103212
 Run File Name B230103C_005
 Analyzed 01/03/2023 19:30
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 230103A02
 Level L

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.17	4.14	2739	
13C5 PFPeA	N/A	N/A	5.04	5.06	2315	
13C3 PFBS	N/A	N/A	6.03	6.02	2395	
13C2 4:2FTS	N/A	N/A	5.46	5.47	1064	
13C5 PFHxA	N/A	N/A	5.75	5.76	1898	
13C4 PFHpA	N/A	N/A	6.44	6.45	2296	
13C3 PFHxS	N/A	N/A	7.54	7.54	2626	
13C2 6:2FTS	N/A	N/A	6.77	6.77	4423	
13C8 PFOA	N/A	N/A	7.11	7.11	2382	
13C9 PFNA	N/A	N/A	7.76	7.78	2292	
13C8 PFOS	N/A	N/A	8.91	8.96	3095	
13C2 8:2FTS	N/A	N/A	8.04	8.07	13859	
13C6 PFDA	N/A	N/A	8.42	8.46	1675	
d3-MeFOSAA	N/A	N/A	8.28	8.31	1266	
13C8 PFOSA	N/A	N/A	10.48	10.54	1181	
d5-EtFOSAA	N/A	N/A	8.57	8.61	1552	
13C7 PFUdA	N/A	N/A	9.08	9.16	2548	
13C2 PFDoA	N/A	N/A	9.74	9.85	1628	
13C2 PFTeDA	N/A	N/A	11.03	11.19	1286	
13C3 HFPO-DA	N/A	N/A	6.04	6.04	1908	
d7-N-MeFOSE	N/A	N/A	12.37	12.51	40	
d9-N-EtFOSE	N/A	N/A	12.86	12.97	464	
d3-N-MeFOSA	N/A	N/A	12.58	12.70	621	
d5-N-EtFOSA	N/A	N/A	13.01	13.11	698	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



LCS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID LCS-103212
 Run File Name B230103C_005
 Analyzed 01/03/2023 19:30
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 230103A02
 Level L

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.17	4.14	391	
PFPeA	N/A	N/A	5.05	5.05	453	
HFPO-DA	0.33	0.28	6.05	6.05	1168	
PFBS	0.43	0.45	6.03	6.03	1711	
PFHxA	0.07	0.07	5.76	5.76	454	
4:2 FTS	0.83	0.80	5.47	5.48	1437	
PFPeS	0.42	0.45	6.82	6.82	961	
PFHpA	0.31	0.29	6.45	6.45	379	
DONA	0.60	0.62	6.70	6.70	1054	
PFHxS	0.34	0.37	7.54	7.55	1013	
PFOA	0.39	0.41	7.12	7.11	245	
6:2 FTS	0.90	0.83	6.77	6.76	54	
PFHpS	0.38	0.29	8.24	8.27	2200	
PFNA	0.16	0.16	7.77	7.79	526	
PFOSAm	N/A	N/A	10.49	10.55	938	
PFOS	0.39	0.37	8.92	8.99	464	
MeFOSA	0.53	0.66	12.60	12.74	484	
PFDA	0.15	0.16	8.43	8.47	443	
EtFOSAm	0.56	0.45	13.03	13.03	936	
8:2 FTS	0.88	0.95	8.05	8.08	3391	
9-CI-PF3ON	0.05	0.05	9.40	9.49	1208	
PFNS	0.53	0.48	9.58	9.68	1041	
PFUnDA	0.12	0.14	9.09	9.09	463	
NMeFOSAA	0.76	0.72	8.29	8.32	32391	
NEtFOSAA	0.70	0.60	8.58	8.62	419	
PFDS	0.36	0.36	10.22	10.35	1899	
PFDOA	0.19	0.18	9.75	9.86	419	
MeFOSE	N/A	N/A	12.42	12.55	409	
EtFOSE	0.00	0.00	12.89	13.04	434	
11-CI-PF3OUdS	0.02	0.02	10.69	10.84	683	
PFTrDA	0.17	0.17	10.40	10.54	397	
PFDoS	0.49	0.45	11.43	11.61	1867	
PFTDA	0.20	0.21	11.04	11.21	527	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MS
 Run File Name B221220C_031
 Analyzed 12/21/2022 06:40
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers
13C4 PFBA	0.98	0.86	88	25-150	
13C5 PFPeA	0.98	0.85	87	25-150	
13C3 PFBS	0.91	0.84	92	25-150	
13C2 4:2FTS	0.91	0.84	92	25-150	
13C5 PFHxA	0.98	0.85	87	25-150	
13C4 PFHpA	0.98	0.80	82	25-150	
13C3 PFHxS	0.93	0.78	85	25-150	
13C2 6:2FTS	0.93	0.80	87	25-150	
13C8 PFOA	0.98	0.86	88	25-150	
13C9 PFNA	0.98	0.82	84	25-150	
13C8 PFOS	0.94	1.1	112	25-150	D
13C2 8:2FTS	0.94	0.80	86	25-150	
13C6 PFDA	0.98	0.88	90	25-150	
d3-MeFOSAA	0.98	0.83	85	25-150	
13C8 PFOSA	0.98	0.81	82	25-150	
d5-EtFOSAA	0.98	0.81	83	25-150	
13C7 PFUdA	0.98	0.82	84	25-150	
13C2 PFDoA	0.98	0.85	87	25-150	
13C2 PFTeDA	0.98	0.80	82	25-150	
13C3 HFPO-DA	0.98	0.85	87	25-150	
d7-N-MeFOSE	0.98	0.83	85	10-150	
d9-N-EtFOSE	0.98	0.70	72	10-150	
d3-N-MeFOSA	0.98	0.75	76	10-150	
d5-N-EtFOSA	0.98	0.73	74	10-150	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MS
 Run File Name B221220C_031
 Analyzed 12/21/2022 06:40
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Sample Conc. (ug/Kg)	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	CAS No.
PFBA	0.00	0.20	0.23	120	50-150		375-22-4
PFPeA	0.00	0.20	0.23	119	50-150		2706-90-3
HFPO-DA	0.00	0.20	0.24	123	50-150		13252-13-6
PFBS	0.00	0.17	0.20	116	50-150		375-73-5
PFHxA	0.00	0.20	0.24	124	50-150		307-24-4
4:2 FTS	0.00	0.18	0.22	122	50-150		757124-72-4
PFPeS	0.00	0.18	0.21	116	50-150		2706-91-4
PFHpA	0.00	0.20	0.24	121	50-150		375-85-9
DONA	0.00	0.18	0.23	124	50-150		919005-14-4
PFHxS	0.67	0.18	1.0	207	50-150	R	355-46-4
PFOA	0.039 J	0.20	0.30	131	50-150		335-67-1
6:2 FTS	0.00	0.19	0.24	131	50-150		27619-97-2
PFHpS	0.081 J	0.19	0.40	172	50-150	R	375-92-8
PFNA	0.00	0.20	0.25	126	50-150		375-95-1
PFOSAm	0.00	0.20	0.24	121	50-150		754-91-6
PFOS	18 D	0.18	26	4410	50-150	RD	1763-23-1
MeFOSA	0.00	0.20	0.25	128	50-150		31506-32-8
PFDA	0.00	0.20	0.26	132	50-150		335-76-2
EtFOSAm	0.00	0.20	0.22	111	50-150		4151-50-2
8:2 FTS	0.00	0.19	0.20	106	50-150		39108-34-4
9-CI-PF3ON	0.00	0.18	0.27	150	50-150		756426-58-1
PFNS	0.00	0.18	0.26	143	50-150		68259-12-1
PFUnDA	0.00	0.20	0.22	114	50-150		2058-94-8
NMeFOSAA	0.00	0.20	0.21	107	50-150		2355-31-9
NEtFOSAA	0.00	0.20	0.21	109	50-150		2991-50-6
PFDS	0.00	0.19	0.27	145	50-150		335-77-3
PFDOA	0.00	0.20	0.23	119	50-150		307-55-1
MeFOSE	0.00	0.20	0.21	107	50-150		24448-09-7
EtFOSE	0.00	0.20	0.26	132	50-150		1691-99-2
11-CI-PF3OUdS	0.00	0.18	0.26	143	50-150		763051-92-9
PFTTrDA	0.00	0.20	0.22	112	50-150		72629-94-8
PFDoS	0.00	0.19	0.29	155	50-150	R	79780-39-5
PFTDA	0.00	0.20	0.24	122	50-150		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

MS Analysis Summary
 PFAS by Isotope Dilution

Page 3 of 4

Lab Sample ID 10635405020-MS
 Run File Name B221220C_031
 Analyzed 12/21/2022 06:40
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.18	4.20	2278	
13C5 PFPeA	N/A	N/A	5.04	5.06	2433	
13C3 PFBS	N/A	N/A	6.01	6.05	2131	
13C2 4:2FTS	N/A	N/A	5.45	5.50	858	
13C5 PFHxA	N/A	N/A	5.74	5.78	1869	
13C4 PFHpA	N/A	N/A	6.42	6.45	1792	
13C3 PFHxS	N/A	N/A	7.53	7.58	2385	
13C2 6:2FTS	N/A	N/A	6.74	6.77	1335	
13C8 PFOA	N/A	N/A	7.09	7.13	2793	
13C9 PFNA	N/A	N/A	7.76	7.78	2015	
13C8 PFOS	N/A	N/A	8.96	8.98	2472	D
13C2 8:2FTS	N/A	N/A	8.06	8.07	3030	
13C6 PFDA	N/A	N/A	8.45	8.46	1148	
d3-MeFOSAA	N/A	N/A	8.30	8.31	3560	
13C8 PFOSA	N/A	N/A	10.60	10.62	1215	
d5-EtFOSAA	N/A	N/A	8.60	8.61	1513	
13C7 PFUdA	N/A	N/A	9.14	9.16	2373	
13C2 PFDoA	N/A	N/A	9.84	9.85	1307	
13C2 PFTeDA	N/A	N/A	11.19	11.21	1040	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	1600	
d7-N-MeFOSE	N/A	N/A	12.52	12.54	44	
d9-N-EtFOSE	N/A	N/A	12.99	13.00	317	
d3-N-MeFOSA	N/A	N/A	12.72	12.73	549	
d5-N-EtFOSA	N/A	N/A	13.14	13.15	769	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MS
 Run File Name B221220C_031
 Analyzed 12/21/2022 06:40
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.19	4.20	191	
PFPeA	N/A	N/A	5.05	5.06	438	
HFPO-DA	0.30	0.36	6.03	6.04	1317	
PFBS	0.44	0.41	6.01	6.03	1085	
PFHxA	0.07	0.09	5.75	5.76	310	
4:2 FTS	0.81	0.83	5.46	5.50	1748	
PFPeS	0.44	0.44	6.80	6.83	10788	
PFHpA	0.33	0.32	6.43	6.46	445	
DONA	0.52	0.59	6.67	6.70	1141	
PFHxS	0.38	0.39	7.53	7.58	1856	R
PFOA	0.36	0.39	7.10	7.11	260	
6:2 FTS	0.74	0.92	6.74	6.76	51	
PFHpS	0.41	0.46	8.25	8.27	804	R
PFNA	0.17	0.17	7.77	7.79	498	
PFOSAm	N/A	N/A	10.61	10.71	720	
PFOS	0.38	0.36	8.97	8.99	596	RD
MeFOSA	0.52	0.60	12.74	12.78	618	
PFDA	0.15	0.17	8.46	8.46	368	
EtFOSAm	0.50	0.51	13.17	13.20	918	
8:2 FTS	0.97	0.88	8.06	8.13	4109	
9-CI-PF3ON	0.06	0.07	9.47	9.49	964	
PFNS	0.48	0.46	9.66	9.68	461	
PFUnDA	0.14	0.13	9.15	9.17	390	
NMeFOSAA	0.86	0.90	8.31	8.32	109061	
NEtFOSAA	0.64	0.61	8.62	8.62	342	
PFDS	0.32	0.33	10.35	10.37	679	
PFDOA	0.17	0.17	9.84	9.86	460	
MeFOSE	N/A	N/A	12.56	12.59	447	
EtFOSE	0.00	0.00	13.03	13.04	391	
11-CI-PF3OUdS	0.02	0.02	10.84	10.86	645	
PFTrDA	0.17	0.17	10.53	10.54	402	
PFDoS	0.46	0.45	11.61	11.64	984	R
PFTDA	0.26	0.26	11.19	11.21	413	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MSD
 Run File Name B221220C_032
 Analyzed 12/21/2022 07:00
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	RPD	Qualifiers
13C4 PFBA	0.97	0.80	83	25-150	5.7	
13C5 PFPeA	0.97	0.78	80	25-150	7.7	
13C3 PFBS	0.90	0.79	88	25-150	4.6	
13C2 4:2FTS	0.90	0.78	86	25-150	6.0	
13C5 PFHxA	0.97	0.76	78	25-150	10.4	
13C4 PFHpA	0.97	0.76	79	25-150	4.0	
13C3 PFHxS	0.91	0.71	77	25-150	9.3	
13C2 6:2FTS	0.92	0.75	82	25-150	5.9	
13C8 PFOA	0.97	0.80	83	25-150	5.3	
13C9 PFNA	0.97	0.79	82	25-150	2.7	
13C8 PFOS	0.92	1.0	109	25-150	38.4	D
13C2 8:2FTS	0.93	0.71	77	25-150	10.6	
13C6 PFDA	0.97	0.87	90	25-150	0.1	
d3-MeFOSAA	0.97	0.84	87	25-150	1.6	
13C8 PFOSA	0.97	0.78	81	25-150	2.1	
d5-EtFOSAA	0.97	0.75	77	25-150	6.5	
13C7 PFUdA	0.97	0.72	75	25-150	12.1	
13C2 PFDoA	0.97	0.79	81	25-150	6.3	
13C2 PFTeDA	0.97	0.76	79	25-150	4.0	
13C3 HFPO-DA	0.97	0.81	84	25-150	3.0	
d7-N-MeFOSE	0.97	0.78	81	10-150	4.9	
d9-N-EtFOSE	0.97	0.74	77	10-150	6.7	
d3-N-MeFOSA	0.97	0.76	78	10-150	2.6	
d5-N-EtFOSA	0.97	0.71	73	10-150	1.3	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MSD
 Run File Name B221220C_032
 Analyzed 12/21/2022 07:00
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Sample Conc. (ug/Kg)	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	RPD	Qualifiers	CAS No.
PFBA	0.00	0.19	0.23	119	50-150	0.4		375-22-4
PFPeA	0.00	0.19	0.23	120	50-150	1.1		2706-90-3
HFPO-DA	0.00	0.19	0.22	116	50-150	5.7		13252-13-6
PFBS	0.00	0.17	0.20	117	50-150	0.6		375-73-5
PFHxA	0.00	0.19	0.23	120	50-150	2.6		307-24-4
4:2 FTS	0.00	0.18	0.21	115	50-150	6.4		757124-72-4
PFPeS	0.00	0.18	0.21	114	50-150	1.1		2706-91-4
PFHpA	0.00	0.19	0.23	118	50-150	2.1		375-85-9
DONA	0.00	0.18	0.22	122	50-150	1.4		919005-14-4
PFHxS	0.67	0.18	0.88	119	50-150	15.2		355-46-4
PFOA	0.039 J	0.19	0.26	113	50-150	12.9		335-67-1
6:2 FTS	0.00	0.18	0.21	117	50-150	11.3		27619-97-2
PFHpS	0.081 J	0.18	0.33	135	50-150	18.2		375-92-8
PFNA	0.00	0.19	0.23	119	50-150	5.5		375-95-1
PFOSAm	0.00	0.19	0.22	115	50-150	5.5		754-91-6
PFOS	18 D	0.18	17	0	50-150	30.9	RD	1763-23-1
MeFOSA	0.00	0.19	0.22	115	50-150	10.3		31506-32-8
PFDA	0.00	0.19	0.23	118	50-150	11.5		335-76-2
EtFOSAm	0.00	0.19	0.22	114	50-150	2.3		4151-50-2
8:2 FTS	0.00	0.19	0.20	109	50-150	2.2		39108-34-4
9-CI-PF3ON	0.00	0.18	0.25	138	50-150	8.6		756426-58-1
PFNS	0.00	0.18	0.25	137	50-150	3.8		68259-12-1
PFUnDA	0.00	0.19	0.24	122	50-150	7.5		2058-94-8
NMeFOSAA	0.00	0.19	0.20	106	50-150	1.6		2355-31-9
NEtFOSAA	0.00	0.19	0.21	110	50-150	0.5		2991-50-6
PFDS	0.00	0.19	0.25	132	50-150	9.8		335-77-3
PFDOA	0.00	0.19	0.23	118	50-150	1.0		307-55-1
MeFOSE	0.00	0.19	0.22	112	50-150	4.1		24448-09-7
EtFOSE	0.00	0.19	0.23	117	50-150	12.3		1691-99-2
11-CI-PF3OUdS	0.00	0.18	0.24	133	50-150	7.0		763051-92-9
PFTTrDA	0.00	0.19	0.22	112	50-150	0.2		72629-94-8
PFDoS	0.00	0.19	0.27	145	50-150	6.9		79780-39-5
PFTDA	0.00	0.19	0.22	116	50-150	4.6		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

MSD Analysis Summary
 PFAS by Isotope Dilution

Page 3 of 4

Lab Sample ID 10635405020-MSD
 Run File Name B221220C_032
 Analyzed 12/21/2022 07:00
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.18	4.20	2295	
13C5 PFPeA	N/A	N/A	5.04	5.06	2397	
13C3 PFBS	N/A	N/A	6.01	6.05	2613	
13C2 4:2FTS	N/A	N/A	5.45	5.50	788	
13C5 PFHxA	N/A	N/A	5.74	5.78	1854	
13C4 PFHpA	N/A	N/A	6.42	6.45	1994	
13C3 PFHxS	N/A	N/A	7.53	7.58	3116	
13C2 6:2FTS	N/A	N/A	6.75	6.77	1349	
13C8 PFOA	N/A	N/A	7.09	7.13	2653	
13C9 PFNA	N/A	N/A	7.77	7.78	2111	
13C8 PFOS	N/A	N/A	8.96	8.98	20025	D
13C2 8:2FTS	N/A	N/A	8.06	8.07	55053	
13C6 PFDA	N/A	N/A	8.45	8.46	1142	
d3-MeFOSAA	N/A	N/A	8.30	8.31	3348	
13C8 PFOSA	N/A	N/A	10.60	10.62	1152	
d5-EtFOSAA	N/A	N/A	8.61	8.61	1293	
13C7 PFUdA	N/A	N/A	9.14	9.16	2008	
13C2 PFDoA	N/A	N/A	9.84	9.85	1357	
13C2 PFTeDA	N/A	N/A	11.18	11.21	1224	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	2375	
d7-N-MeFOSE	N/A	N/A	12.51	12.54	46	
d9-N-EtFOSE	N/A	N/A	12.98	13.00	208	
d3-N-MeFOSA	N/A	N/A	12.71	12.73	914	
d5-N-EtFOSA	N/A	N/A	13.13	13.15	693	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405020-MSD
 Run File Name B221220C_032
 Analyzed 12/21/2022 07:00
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.19	4.20	214	
PFPeA	N/A	N/A	5.05	5.06	399	
HFPO-DA	0.32	0.36	6.03	6.04	1273	
PFBS	0.43	0.41	6.01	6.03	1888	
PFHxA	0.07	0.09	5.75	5.76	335	
4:2 FTS	0.87	0.83	5.46	5.50	8252	
PFPeS	0.46	0.44	6.80	6.83	1564	
PFHpA	0.29	0.32	6.43	6.46	378	
DONA	0.50	0.59	6.68	6.70	1324	
PFHxS	0.36	0.39	7.54	7.58	1940	
PFOA	0.39	0.39	7.10	7.11	228	
6:2 FTS	0.92	0.92	6.75	6.76	60	
PFHpS	0.43	0.46	8.26	8.27	716	
PFNA	0.16	0.17	7.77	7.79	528	
PFOSAm	N/A	N/A	10.61	10.71	737	
PFOS	0.38	0.36	8.97	8.99	420	RD
MeFOSA	0.51	0.60	12.73	12.78	1106	
PFDA	0.16	0.17	8.46	8.53	339	
EtFOSAm	0.50	0.51	13.15	13.20	824	
8:2 FTS	0.97	0.88	8.06	8.13	3278562	
9-CI-PF3ON	0.06	0.07	9.48	9.49	1127	
PFNS	0.46	0.46	9.67	9.68	611	
PFUnDA	0.13	0.13	9.15	9.17	510	
NMeFOSAA	0.75	0.90	8.32	8.32	17763	
NEtFOSAA	0.67	0.61	8.62	8.62	315	
PFDS	0.35	0.33	10.35	10.37	884	
PFDOA	0.16	0.17	9.84	9.86	443	
MeFOSE	N/A	N/A	12.55	12.59	418	
EtFOSE	0.00	0.00	13.02	13.04	375	
11-CI-PF3OUdS	0.02	0.02	10.83	10.86	659	
PFTTrDA	0.16	0.17	10.53	10.54	424	
PFDoS	0.45	0.45	11.60	11.64	769	
PFTDA	0.23	0.26	11.19	11.21	392	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MS
 Run File Name B221222A_010
 Analyzed 12/22/2022 07:21
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers
13C4 PFBA	0.98	0.93	94	25-150	
13C5 PFPeA	0.98	0.92	93	25-150	
13C3 PFBS	0.91	0.84	91	25-150	
13C2 4:2FTS	0.92	1.0	112	25-150	
13C5 PFHxA	0.98	0.88	89	25-150	
13C4 PFHpA	0.98	0.90	91	25-150	
13C3 PFHxS	0.93	0.96	103	25-150	
13C2 6:2FTS	0.93	0.93	99	25-150	
13C8 PFOA	0.98	0.91	92	25-150	
13C9 PFNA	0.98	1.0	103	25-150	
13C8 PFOS	0.94	0.84	89	25-150	
13C2 8:2FTS	0.94	0.92	98	25-150	
13C6 PFDA	0.98	0.89	91	25-150	
d3-MeFOSAA	0.98	0.96	98	25-150	
13C8 PFOSA	0.98	0.90	92	25-150	
d5-EtFOSAA	0.98	1.0	106	25-150	
13C7 PFUdA	0.98	1.0	102	25-150	
13C2 PFDoA	0.98	0.96	97	25-150	
13C2 PFTeDA	0.98	0.83	85	25-150	
13C3 HFPO-DA	0.98	0.92	94	25-150	
d7-N-MeFOSE	0.98	0.80	82	10-150	
d9-N-EtFOSE	0.98	0.87	88	10-150	
d3-N-MeFOSA	0.98	0.78	79	10-150	
d5-N-EtFOSA	0.98	0.75	76	10-150	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MS
 Run File Name B221222A_010
 Analyzed 12/22/2022 07:21
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Sample Conc. (ug/Kg)	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	Qualifiers	CAS No.
PFBA	0.30	0.20	0.55	125	50-150		375-22-4
PFPeA	0.00	0.20	0.27	136	50-150		2706-90-3
HFPO-DA	0.00	0.20	0.23	115	50-150		13252-13-6
PFBS	0.00	0.17	0.21	119	50-150		375-73-5
PFHxA	0.00	0.20	0.26	133	50-150		307-24-4
4:2 FTS	0.00	0.18	0.20	111	50-150		757124-72-4
PFPeS	0.00	0.19	0.20	108	50-150		2706-91-4
PFHpA	0.00	0.20	0.23	119	50-150		375-85-9
DONA	0.00	0.19	0.20	110	50-150		919005-14-4
PFHxS	0.00	0.18	0.19	108	50-150		355-46-4
PFOA	0.00	0.20	0.25	129	50-150		335-67-1
6:2 FTS	0.00	0.19	0.20	109	50-150		27619-97-2
PFHpS	0.00	0.19	0.23	123	50-150		375-92-8
PFNA	0.00	0.20	0.23	115	50-150		375-95-1
PFOSAm	0.00	0.20	0.23	117	50-150		754-91-6
PFOS	0.048 J	0.18	0.25	110	50-150		1763-23-1
MeFOSA	0.00	0.20	0.25	129	50-150		31506-32-8
PFDA	0.00	0.20	0.25	124	50-150		335-76-2
EtFOSAm	0.00	0.20	0.24	120	50-150		4151-50-2
8:2 FTS	0.00	0.19	0.24	129	50-150		39108-34-4
9-CI-PF3ON	0.00	0.18	0.22	118	50-150		756426-58-1
PFNS	0.00	0.18	0.21	117	50-150		68259-12-1
PFUnDA	0.00	0.20	0.24	122	50-150		2058-94-8
NMeFOSAA	0.00	0.20	0.20	104	50-150		2355-31-9
NEtFOSAA	0.00	0.20	0.20	103	50-150		2991-50-6
PFDS	0.00	0.19	0.21	111	50-150		335-77-3
PFDOA	0.00	0.20	0.23	114	50-150		307-55-1
MeFOSE	0.00	0.20	0.25	128	50-150		24448-09-7
EtFOSE	0.00	0.20	0.23	118	50-150		1691-99-2
11-CI-PF3OUdS	0.00	0.19	0.23	127	50-150		763051-92-9
PFTTrDA	0.00	0.20	0.23	119	50-150		72629-94-8
PFDoS	0.00	0.19	0.24	128	50-150		79780-39-5
PFTDA	0.00	0.20	0.24	123	50-150		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



Pace Analytical Services, LLC
 1700 Elm Street, Suite 200
 Minneapolis, MN 55414
 Phone: 612.607.1700
 Fax: 612.607.6444
 www.pacelabs.com

MS Analysis Summary
 PFAS by Isotope Dilution

Page 3 of 4

Lab Sample ID 10635405021-MS
 Run File Name B221222A_010
 Analyzed 12/22/2022 07:21
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.17	4.20	2257	
13C5 PFPeA	N/A	N/A	5.04	5.06	2639	
13C3 PFBS	N/A	N/A	6.01	6.05	2227	
13C2 4:2FTS	N/A	N/A	5.46	5.50	786	
13C5 PFHxA	N/A	N/A	5.74	5.78	2273	
13C4 PFHpA	N/A	N/A	6.42	6.45	2151	
13C3 PFHxS	N/A	N/A	7.53	7.50	2999	
13C2 6:2FTS	N/A	N/A	6.75	6.77	1193	
13C8 PFOA	N/A	N/A	7.10	7.13	2828	
13C9 PFNA	N/A	N/A	7.77	7.78	2601	
13C8 PFOS	N/A	N/A	8.95	8.98	1643	
13C2 8:2FTS	N/A	N/A	8.06	8.07	1494	
13C6 PFDA	N/A	N/A	8.45	8.46	1336	
d3-MeFOSAA	N/A	N/A	8.30	8.31	2583	
13C8 PFOSA	N/A	N/A	10.59	10.62	1370	
d5-EtFOSAA	N/A	N/A	8.60	8.61	1703	
13C7 PFUdA	N/A	N/A	9.14	9.16	2793	
13C2 PFDoA	N/A	N/A	9.82	9.85	1212	
13C2 PFTeDA	N/A	N/A	11.17	11.21	1311	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	1861	
d7-N-MeFOSE	N/A	N/A	12.52	12.54	44	
d9-N-EtFOSE	N/A	N/A	12.98	13.00	394	
d3-N-MeFOSA	N/A	N/A	12.72	12.73	760	
d5-N-EtFOSA	N/A	N/A	13.13	13.15	729	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MS Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MS
 Run File Name B221222A_010
 Analyzed 12/22/2022 07:21
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.18	4.20	275	
PFPeA	N/A	N/A	5.05	5.06	430	
HFPO-DA	0.34	0.29	6.03	6.04	1167	
PFBS	0.42	0.42	6.01	6.03	835	
PFHxA	0.09	0.08	5.75	5.76	276	
4:2 FTS	0.83	0.82	5.46	5.50	933	
PFPeS	0.42	0.36	6.80	6.83	1168	
PFHpA	0.29	0.28	6.43	6.46	329	
DONA	0.63	0.52	6.68	6.70	1151	
PFHxS	0.39	0.36	7.54	7.58	1041	
PFOA	0.38	0.39	7.11	7.11	223	
6:2 FTS	0.88	0.82	6.76	6.76	57	
PFHpS	0.40	0.38	8.26	8.27	1023	
PFNA	0.15	0.15	7.78	7.79	561	
PFOSAm	N/A	N/A	10.59	10.71	710	
PFOS	0.40	0.39	8.96	9.11	279	
MeFOSA	0.49	0.58	12.74	12.78	698	
PFDA	0.17	0.16	8.46	8.53	480	
EtFOSAm	0.43	0.48	13.16	13.20	708	
8:2 FTS	0.84	0.86	8.07	8.13	3470	
9-CI-PF3ON	0.07	0.06	9.47	9.49	857	
PFNS	0.45	0.47	9.65	9.68	908	
PFUnDA	0.13	0.12	9.14	9.17	535	
NMeFOSAA	0.80	0.91	8.31	8.32	4296	
NEtFOSAA	0.58	0.59	8.61	8.62	409	
PFDS	0.36	0.29	10.33	10.37	936	
PFDOA	0.18	0.16	9.83	9.86	462	
MeFOSE	N/A	N/A	12.56	12.59	398	
EtFOSE	0.00	0.00	13.02	13.04	358	
11-CI-PF3OUdS	0.02	0.02	10.82	10.86	940	
PFTrDA	0.17	0.15	10.51	10.54	440	
PFDoS	0.46	0.45	11.60	11.64	2107	
PFTDA	0.25	0.24	11.17	11.21	352	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MSD
 Run File Name B221222A_011
 Analyzed 12/22/2022 07:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	RPD	Qualifiers
13C4 PFBA	0.96	0.90	93	25-150	1.0	
13C5 PFPeA	0.96	0.88	92	25-150	1.7	
13C3 PFBS	0.89	0.83	93	25-150	1.4	
13C2 4:2FTS	0.90	0.88	98	25-150	13.4	
13C5 PFHxA	0.96	0.85	89	25-150	0.6	
13C4 PFHpA	0.96	0.85	88	25-150	3.3	
13C3 PFHxS	0.91	0.83	91	25-150	12.0	
13C2 6:2FTS	0.91	0.81	89	25-150	11.3	
13C8 PFOA	0.96	0.83	87	25-150	6.2	
13C9 PFNA	0.96	0.94	98	25-150	5.0	
13C8 PFOS	0.92	0.70	76	25-150	15.7	
13C2 8:2FTS	0.92	0.90	98	25-150	0.4	
13C6 PFDA	0.96	0.87	91	25-150	0.5	
d3-MeFOSAA	0.96	0.94	98	25-150	0.1	
13C8 PFOSA	0.96	0.86	90	25-150	2.2	
d5-EtFOSAA	0.96	0.91	95	25-150	11.3	
13C7 PFUdA	0.96	0.95	99	25-150	3.0	
13C2 PFDoA	0.96	0.92	96	25-150	1.4	
13C2 PFTeDA	0.96	0.80	83	25-150	1.9	
13C3 HFPO-DA	0.96	0.85	88	25-150	5.8	
d7-N-MeFOSE	0.96	0.79	83	10-150	1.1	
d9-N-EtFOSE	0.96	0.77	80	10-150	9.7	
d3-N-MeFOSA	0.96	0.73	76	10-150	4.6	
d5-N-EtFOSA	0.96	0.71	74	10-150	3.7	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MSD
 Run File Name B221222A_011
 Analyzed 12/22/2022 07:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Sample Conc. (ug/Kg)	Known Conc. (ug/Kg)	Conc. Found (ug/Kg)	%Recovery	Recovery Limits	RPD	Qualifiers	CAS No.
PFBA	0.30	0.19	0.54	125	50-150	1.3		375-22-4
PFPeA	0.00	0.19	0.25	131	50-150	3.3		2706-90-3
HFPO-DA	0.00	0.19	0.23	120	50-150	4.3		13252-13-6
PFBS	0.00	0.17	0.20	119	50-150	0.0		375-73-5
PFHxA	0.00	0.19	0.24	127	50-150	4.2		307-24-4
4:2 FTS	0.00	0.18	0.21	118	50-150	5.7		757124-72-4
PFPeS	0.00	0.18	0.20	112	50-150	3.9		2706-91-4
PFHpA	0.00	0.19	0.23	120	50-150	0.6		375-85-9
DONA	0.00	0.18	0.21	116	50-150	5.7		919005-14-4
PFHxS	0.00	0.17	0.21	120	50-150	10.5		355-46-4
PFOA	0.00	0.19	0.26	137	50-150	6.5		335-67-1
6:2 FTS	0.00	0.18	0.21	117	50-150	6.7		27619-97-2
PFHpS	0.00	0.18	0.25	137	50-150	11.0		375-92-8
PFNA	0.00	0.19	0.22	114	50-150	1.0		375-95-1
PFOSAm	0.00	0.19	0.23	119	50-150	2.4		754-91-6
PFOS	0.048 J	0.18	0.27	127	50-150	12.3		1763-23-1
MeFOSA	0.00	0.19	0.23	122	50-150	5.8		31506-32-8
PFDA	0.00	0.19	0.23	121	50-150	2.8		335-76-2
EtFOSAm	0.00	0.19	0.22	116	50-150	3.9		4151-50-2
8:2 FTS	0.00	0.18	0.20	106	50-150	19.5		39108-34-4
9-CI-PF3ON	0.00	0.18	0.26	143	50-150	18.7		756426-58-1
PFNS	0.00	0.18	0.24	133	50-150	12.4		68259-12-1
PFUnDA	0.00	0.19	0.23	120	50-150	1.6		2058-94-8
NMeFOSAA	0.00	0.19	0.18	93	50-150	10.9		2355-31-9
NEtFOSAA	0.00	0.19	0.21	111	50-150	7.2		2991-50-6
PFDS	0.00	0.19	0.24	130	50-150	15.7		335-77-3
PFDOA	0.00	0.19	0.24	124	50-150	8.3		307-55-1
MeFOSE	0.00	0.19	0.22	116	50-150	9.8		24448-09-7
EtFOSE	0.00	0.19	0.22	115	50-150	2.8		1691-99-2
11-CI-PF3OUdS	0.00	0.18	0.26	145	50-150	13.4		763051-92-9
PFTTrDA	0.00	0.19	0.22	112	50-150	6.1		72629-94-8
PFDoS	0.00	0.19	0.27	145	50-150	12.0		79780-39-5
PFTDA	0.00	0.19	0.24	125	50-150	1.7		376-06-7

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MSD
 Run File Name B221222A_011
 Analyzed 12/22/2022 07:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Extracted Internal Standards

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
13C4 PFBA	N/A	N/A	4.17	4.20	2478	
13C5 PFPeA	N/A	N/A	5.04	5.06	2684	
13C3 PFBS	N/A	N/A	6.00	6.05	2009	
13C2 4:2FTS	N/A	N/A	5.45	5.50	709	
13C5 PFHxA	N/A	N/A	5.74	5.78	2665	
13C4 PFHpA	N/A	N/A	6.42	6.45	1762	
13C3 PFHxS	N/A	N/A	7.53	7.50	2672	
13C2 6:2FTS	N/A	N/A	6.74	6.77	1441	
13C8 PFOA	N/A	N/A	7.09	7.13	2794	
13C9 PFNA	N/A	N/A	7.77	7.78	2043	
13C8 PFOS	N/A	N/A	8.96	8.98	1403	
13C2 8:2FTS	N/A	N/A	8.06	8.07	1208	
13C6 PFDA	N/A	N/A	8.46	8.46	1267	
d3-MeFOSAA	N/A	N/A	8.31	8.31	2197	
13C8 PFOSA	N/A	N/A	10.59	10.62	1237	
d5-EtFOSAA	N/A	N/A	8.60	8.61	1881	
13C7 PFUdA	N/A	N/A	9.15	9.16	2972	
13C2 PFDoA	N/A	N/A	9.84	9.85	1090	
13C2 PFTeDA	N/A	N/A	11.17	11.21	1454	
13C3 HFPO-DA	N/A	N/A	6.02	6.03	1869	
d7-N-MeFOSE	N/A	N/A	12.51	12.54	43	
d9-N-EtFOSE	N/A	N/A	12.98	13.00	356	
d3-N-MeFOSA	N/A	N/A	12.71	12.73	510	
d5-N-EtFOSA	N/A	N/A	13.14	13.15	768	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.



MSD Analysis Summary
 PFAS by Isotope Dilution

Lab Sample ID 10635405021-MSD
 Run File Name B221222A_011
 Analyzed 12/22/2022 07:41
 Injected By NH

Instrument ID 10LCMS02
 Column ID 1071B00012
 Ical ID 221219A02
 Level

Native Analytes

Compound	Ion Abund. Ratio	Reference Ratio	Retention Time	Reference Time	Signal to Noise	Qualifiers
PFBA	N/A	N/A	4.18	4.20	314	
PFPeA	N/A	N/A	5.05	5.06	442	
HFPO-DA	0.32	0.29	6.03	6.04	1222	
PFBS	0.38	0.42	6.01	6.03	1380	
PFHxA	0.09	0.08	5.74	5.76	319	
4:2 FTS	0.88	0.82	5.46	5.50	821	
PFPeS	0.49	0.36	6.80	6.83	1080	
PFHpA	0.28	0.28	6.43	6.46	293	
DONA	0.56	0.52	6.67	6.70	1109	
PFHxS	0.38	0.36	7.53	7.58	1027	
PFOA	0.38	0.39	7.10	7.11	235	
6:2 FTS	0.94	0.82	6.75	6.76	51	
PFHpS	0.36	0.38	8.26	8.27	798	
PFNA	0.16	0.15	7.78	7.79	574	
PFOSAm	N/A	N/A	10.60	10.71	794	
PFOS	0.43	0.39	8.97	9.11	392	
MeFOSA	0.56	0.58	12.74	12.78	597	
PFDA	0.17	0.16	8.47	8.47	369	
EtFOSAm	0.48	0.48	13.16	13.20	806	
8:2 FTS	0.90	0.86	8.06	8.13	4568	
9-CI-PF3ON	0.06	0.06	9.47	9.49	950	
PFNS	0.47	0.47	9.66	9.68	774	
PFUnDA	0.13	0.12	9.15	9.17	473	
NMeFOSAA	0.97	0.91	8.32	8.32	1209	
NEtFOSAA	0.66	0.59	8.62	8.62	368	
PFDS	0.33	0.29	10.34	10.37	924	
PFDOA	0.15	0.16	9.84	9.86	406	
MeFOSE	N/A	N/A	12.55	12.59	317	
EtFOSE	0.00	0.00	13.02	13.04	303	
11-CI-PF3OUdS	0.02	0.02	10.82	10.86	824	
PFTrDA	0.17	0.15	10.52	10.54	401	
PFDoS	0.47	0.45	11.59	11.64	1879	
PFTDA	0.24	0.24	11.17	11.21	442	

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
 without the written consent of Pace Analytical Services, LLC.